

#### **Abrasion and erosion resistance of cermets : a review**

Kübarsepp, Jakob; Juhani, Kristjan; Tarraste, Marek Materials 2022 / art. 69 <https://doi.org/10.3390/ma15010069> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Abrasive impact wear and surface fatigue wear behaviour of Fe–Cr–C PTA overlays**

Veinthal, Renno; Sergejev, Fjodor; Zikin, Arkadi; Tarbe, Riho; Hornung, Johann Wear 2013 / p. 102-108  
<https://www.sciencedirect.com/science/article/pii/S0043164813000999> <https://doi.org/10.1016/j.wear.2013.01.077> [Journal metrics at Scopus](#)  
[Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Abrasive wear resistance of HVOF sprayed and PTA-welded hardmetal hard phase reinforced metal-matrix based coatings**

Tarbe, Riho; Kulu, Priit; Zikin, Arkadi; Surženkov, Andrei Engineering materials & tribology XXII 2014 / p. 3-7  
<https://doi.org/10.4028/www.scientific.net/KEM.604.3> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Conference proceedings at WOS](#) [Article at WOS](#)

#### **Abrasive-erosive wear of thermally sprayed coatings from experimental and commercial Cr<sub>3</sub>C<sub>2</sub>-based powders**

Sarjas, Heikki; Surženkov, Andrei; Juhani, Kristjan; Antonov, Maksim; Adoberg, Eron; Kulu, Priit; Viljus, Mart; Traksmäa, Rainer; Matikainen, Ville; Vuoristo, Petri Journal of thermal spray technology 2017 / p. 2020-2029 : ill <https://doi.org/10.1007/s11666-017-0638-2> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Acoustic study of novel eco-friendly material for vehicle NVH applications**

Rämmal, Hans; Lavrentjev, Jüri Materials today: proceedings 2020 / p. 2331-2337 <https://doi.org/10.1016/j.matpr.2020.04.632>  
[Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

#### **Acquisition of O<sub>2</sub> adsorption isotherms as thorough characterization of nanocrystalline titanium dioxide photocatalysts**

Moiseev, Anna; Kritševskaja, Marina; Preis, Sergei Surfaces and interfaces 2019 / p. 44-49 : ill <https://doi.org/10.1016/j.surf.2018.11.003> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Adaptation of Laboratory tests for the assessment of wear resistance of drill-bit inserts for rotary-percussive drilling of hard rocks**

Saai, Afaf; Bjorge, Ruben; Dahl, Filip; Antonov, Maksim Wear 2020 / art. 203366, 10 p. : ill <https://doi.org/10.1016/j.wear.2020.203366>  
[Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Adaptive Extended Kalman Filter position estimation based on Ultra-Wideband Active-Passive Ranging Protocol**

Laadung, Taavi; Ulp, Sander; Fjodorov, Aleksei; Alam, Muhammad Mahtab; Le Moullec, Yannick IEEE Access 2023 / p. 92575-92588 <https://doi.org/10.1109/ACCESS.2023.3308696> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#)  
[Article at WOS](#)

#### **Adaptive virtual inertia-damping system based on model predictive control for low-inertia microgrids**

Fawzy, Asmaa; Bakeer, Abualkasim Ahmed Ali; Magdy, Gaber; Atawi, Ibrahim E.; Roshdy, Mohamed IEEE Access 2021 / p. 109718 - 109731 <https://doi.org/10.1109/ACCESS.2021.3101887> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#)  
[Article at WOS](#)

#### **Additive manufacturing : alloy design and process innovations**

Prashanth, Konda Gokuldoss; Wang, Zhi Materials 2020 / art. 542, 2 p <https://doi.org/10.3390/ma13030542> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Additive manufacturing and allied technologies**

Sivaprasad, Katakam; Ramesh Babu, Amarapuram; Prashanth, Konda Gokuldoss Transactions of the Indian Institute of Metals 2023 / p. 269 <https://doi.org/10.1007/s12666-023-02892-7> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Additive manufacturing of a martensitic Co–Cr–Mo alloy : Towards circumventing the strength–ductility trade-off**

Wang, Zhi; Tang, S.Y.; Scudino, Sergio; Ivanov, Y.P.; Qu, R.T.; Wang, D.; Yang, C.; Zhang, W.W.; Greer, A.L.; Eckert, Jürgen H.; Prashanth, Konda Gokuldoss Additive Manufacturing 2021 / art. 101725 <https://doi.org/10.1016/j.addma.2020.101725> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Additive manufacturing of CMCs with bimodal microstructure**

Maurya, Himanshu Singh; Vikram, R. J.; Kosiba, Konrad; Juhani, Kristjan; Sergejev, Fjodor; Suwas, Satyam; Prashanth, Konda Gokuldoss Journal of alloys and compounds 2023 / art. 168416, 5 p. : ill <https://doi.org/10.1016/j.jallcom.2022.168416> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Additive manufacturing of CoCrFeMnNi high-entropy alloy/AISI 316L stainless steel bimetallic structures**

Sokkalingam, Rathinavelu; Chao, Zhao; Sivaprasad, Katakam; Muthupandi, Veerappan; Jayaraj, Jayamani; Ramasamy, Parthiban; Eckert, Jürgen; Prashanth, Konda Gokuldoss Advanced engineering materials 2023 / art. 2200341  
<https://doi.org/10.1002/adem.202200341> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Additive manufacturing of TiC-based cermet with stainless steel as a binder material**

**Maurya, Himanshu Singh; Juhani, Kristjan; Sergejev, Fjodor; Prashanth, Konda Gokuldoss** Materials today: proceedings 2022 / p. 824-828 <https://doi.org/10.1016/j.matpr.2022.02.428> [Conference proceeding at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

#### **Additive manufacturing of TiC-based cermets : a detailed comparison with spark plasma sintered samples**

**Maurya, Himanshu Singh; Jayaraj, Jayamani; Vikram, Raja Jothi; Juhani, Kristjan; Sergejev, Fjodor; Prashanth, Konda Gokuldoss** Journal of alloys and compounds 2023 / art. 170436 <https://doi.org/10.1016/j.jallcom.2023.170436> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Additively manufactured mesostructured MoSi<sub>2</sub>-Si<sub>3</sub>N<sub>4</sub> ceramic lattice**

**Minasyan, Tatevik; Liu, Le; Holovenko, Yaroslav; Aydinyan, Sofiya; Hussainova, Irina** Ceramics international 2019 / p. 9926-9933 <https://doi.org/10.1016/j.ceramint.2019.02.035> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Adhesion of single-walled carbon nanotube thin films with different materials**

**Rajanna, Pramod M.; Luchkin, Sergey; Larionov, Konstantin; Grebenko, Artem; Popov, Zakhar; Sorokin, Pavel; Danilson, Mati; Bereznev, Sergei; Lund, Peter D.; Nasibulin, Albert** The journal of physical chemistry letters 2020 / p. 504-509 <https://doi.org/10.1021/acs.jpclett.9b03552> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Advances in machine fault diagnosis**

**Vaimann, Toomas** Applied sciences 2021 / art. 7348, 5 p <https://doi.org/10.3390/app11167348> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Advances in the one-step synthesis of 2D and 3D sulfide materials grown by pulsed laser deposition assisted by a sulfur thermal cracker**

**Esterlich, Joan Ramish; Affannoukoue, Kevin; Kaupmees, Reelika; Miakota, Denys; Engberg, Sara; Grossberg-Kuusk, Maarja; Schou, Jorgen; Canulescu, Stela** Applied physics. A, Materials science & processing 2023 / art. 59, 8 p. : ill <https://doi.org/10.1007/s00339-022-06319-w> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Aerosol-assisted fine-tuning of optoelectrical properties of SWCNT films**

**Tsopenko, Alexey; Romanov, Stepan; Satco, Daria; Volobujeva, Olga; Danilson, Mati** The journal of physical chemistry letters 2019 / p. 3961-3965 : ill <https://doi.org/10.1021/acs.jpclett.9b01498> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Affinity of zinc and copper ions for insulin monomers**

**Gavrilova, Julia; Tôugu, Vello; Palumaa, Peep** Metallomics 2014 / p. 1296-1300 : ill <https://doi.org/10.1039/c4mt00059e> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **AFM nanoshaving of covalently modified graphite for studying molecular self-assembly under lateral nanoconfinement**

**Steen, Roelof; Van Gorp, Hans; Walke, Peter; Mali, Kunal S.; De Feyter, Steven** Journal of physical chemistry C 2021 / p. 21624-21634 <https://doi.org/10.1021/acs.jpcc.1c05700> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Ageing of kesterite solar cells 1 : Degradation processes and their influence on solar cell parameters**

**Neubauer, Christian; Samiepour, Ali; Oueslati, Souhaib; Danilson, Mati; Meissner, Dieter** Thin solid films 2019 / p. 595-599 : ill <https://doi.org/10.1016/j.tsf.2018.11.043> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Ageing of kesterite solar cells 2 : Impact on photocurrent generation**

**Samiepour, Ali; Neubauer, Christian; Oueslati, Souhaib; Mikli, Valdek; Meissner, Dieter** Thin solid films 2019 / p. 509-513 : ill <https://doi.org/10.1016/j.tsf.2018.11.044> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **AlCo-rich AlCoNiFe and AlCoNiFeCr high entropy alloys: Synthesis and interaction pathway at high heating rates**

**Nazaretyan, K.; Aydinyan, Sofiya; Kirakosyan, H.; Moskovskikh, D.; Nepapushev, A.; Kuskov, K.; Tumanyan, M.; Zargaryan, A.; Traksmay, Rainer; Kharatyan, S.** Journal of alloys and compounds 2023 / art. 167589, 13 p <https://doi.org/10.1016/j.jallcom.2022.167589> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Al<sub>2</sub>O<sub>3</sub> solution-processed transparent front contact for monograin layer kesterite solar cells**

**Edinger, Stefan; Bansal, Neha; Wibowo, Adhi Rachmat; Winkler, Nina; Illich, Peter; Zechmeister, Armin; Plessing, Lukas; Meissner, Dieter** Progress in photovoltaics : research and applications 2019 / p. 547-555 <https://doi.org/10.1002/ppp.3122> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Alternative approach to buckling of square hollow section steel columns in fire**

**Kervališvili, Andrei; Talvik, Ivar** Journal of constructional steel research 2014 / p. 140-150 : ill <https://doi.org/10.1016/j.jcsr.2013.11.018> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Aluminate-based nanostructured luminescent materials : design of processing and functional properties**

**Rojas Hernandez, Rocio Estefania; Rubio-Marcos, Fernando; Fernandez, Jose Francisco; Hussainova, Irina** Materials 2021 /

art. 4591 <https://doi.org/10.3390/ma14164591> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Aluminum matrix composites reinforced with metallic glass particles with core-shell structure**

Guana, H.D.; Lia, C.J.; Gaoa, P.; **Prashanth, Konda Gokuldoss** Materials science and engineering : A 2020 / art. 138630, 5 p. : ill <https://doi.org/10.1016/j.msea.2019.138630> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Amino acid-functionalized calix[4]resorcinarene solubilization by mono- and dicationic surfactants**

Zakharova, Lucia Ya.; Serdyuk, Anna A.; Mirgorodskaya, Alla B.; **Karpichev, Yevgen** Journal of surfactants and detergents 2016 / p. 493-499 : ill <https://doi.org/10.1007/s11743-016-1792-0> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Aminocatalysts are more environmentally friendly than hydrogen-bonding catalysts**

Sihtmäe, Mariliis; **Silm, Estelle**; **Kriis, Kadri**; Kahru, Anne; **Kanger, Tõnis** ChemSusChem 2022 / art. e202201045, 5 p. : ill <https://doi.org/10.1002/cssc.202201045> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Amorphous Zn(O,Se) buffer layer for Cu(In,Ga)Se<sub>2</sub> thin film solar cells**

**Abdalla, Akram**; **Danilson, Mati**; **Oueslati, Souhaib**; **Pilvet, Maris**; **Bereznev, Sergei** Materials science in semiconductor processing 2021 / art. 105862 <https://doi.org/10.1016/j.mssp.2021.105862> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Amphiphilic glycosylated block copolypeptides as macromolecular surfactants in the emulsion polymerization of styrene**

Jacobs, Jaco; **Gathergood, Nicholas**; Heuts, Johan P. A.; Heise, Andreas Polymer chemistry 2015 / p. 4634-4640 : ill <https://doi.org/10.1039/C5PY00548E> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **An experimental study on the effects of matrix cracking to the stiffness of glass/epoxy cross plied laminates**

**Lasn, Kaspar**; Echtermeyer, Andreas T.; **Klauson, Aleksander**; Chati, Farid; Decultot, Dominique Composites. Part B: Engineering 2015 / p. 260-268 : ill <https://doi.org/10.1016/j.compositesb.2015.06.005> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **An integrated electroactive polymer sensor-actuator : design, model-based control, and performance characterization**

**Hunt, Andres**; Chen, Zheng; Tan, K.; **Kruusmaa, Maarja** Smart materials and structures 2016 / art. 035016, p. 1-16 : ill <https://doi.org/10.1088/0964-1726/25/3/035016> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **An orthotropic material model for steel fibre reinforced concrete based on the orientation distribution of fibres**

**Eik, Marika**; Puttonen, Jari; **Herrmann, Heiko** Composite structures 2015 / p. 324-336 : ill <https://doi.org/10.1016/j.compstruct.2014.11.018> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Analysis of barrier inhomogeneities of P-type Al/4H-SiC Schottky barrier diodes**

**Ziko, Mehadi Hasan**; **Koel, Ants**; **Rang, Toomas**; **Toompuu, Jana** Silicon Carbide and Related Materials 2019 : Selected peer-reviewed papers from International Conference on Silicon Carbide and Related Materials 2019 (ICSCRM 2019), September 29 - October 4, 2019, Kyoto, Japan Materials science forum 2020 / p. 960-972 <https://doi.org/10.4028/www.scientific.net/MSF.1004.960> [Conference proceedings at Scopus](#) [Article at Scopus](#)

#### **Analysis of electromagnetic force ripple in a bearingless synchronous reluctance motor**

Mukherjee, Victor; Rasilo, Paavo; Martin, Florian; **Belahcen, Anouar** IEEE transactions on magnetics 2021 / art. 9277612, 8 p. : ill <https://doi.org/10.1109/TMAG.2020.3041703> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Analysis of grain orientation and defects in Sb<sub>2</sub>Se<sub>3</sub> solar cells fabricated by close-spaced sublimation : [journal article]**

**Krautmann, Robert**; **Spalatu, Nicolae**; Gunder, Rene; Abou-Ras, Daniel; Unold, Thomas; Schorr, Susan; **Krunks, Malle**; **Oja Acik, Ilona** Solar energy 2021 / p. 494-500 <https://doi.org/10.1016/j.solener.2021.07.022> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Analysis of historical MERIS and MODIS data to evaluate the impact of dredging to monthly mean surface TSM concentration**

**Raag, Laura**; **Uiboupin, Rivo**; **Sipelgas, Liis** Remote sensing of the ocean, sea ice, coastal waters, and large water regions 2013 : 24 September 2013, Dresden, Germany 2013 / art. 88880B <https://doi.org/10.1117/12.2032327> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

#### **Analysis of optical properties and structure of GaTe - CdTe nanocomposite**

Caraman, Iuliana; Untila, Dumitru; Evtodiev, Igor; Canter, Valeriu; **Spalatu, Nicolae**; Rusu, Dragos; Luchian, Efimia; Rotaru, Irina Chalcogenide letters 2015 / p. 683-692 : ill [https://chalcogen.ro/683\\_Caraman.pdf](https://chalcogen.ro/683_Caraman.pdf) [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Analysis of short fibres orientation in steel fibre-reinforced concrete (SFRC) by X-ray tomography**

Suuronen, Jussi-Petteri; **Eik, Marika**; **Herrmann, Heiko** Journal of materials science 2013 / p. 1358-1367 : ill <https://doi.org/10.1007/s10853-012-6882-4> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Anisotropic and strain-dependent model of magnetostriction in electrical steel sheets**

**Belahcen, Anouar**; Singh, Deepak; Rasilo, Paavo; Martin, Florian; Ghalamestani, Setareh Gorji; Vandevelde, Lieven IEEE transactions on magnetics 2015 / p. 200-204 : ill <https://doi.org/10.1109/TMAG.2014.2361681> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Annealing effect for SnS thin films prepared by high-vacuum evaporation**

**Revathi, Naidu**; Bereznev, Sergei; Looits, Mihkel; Raudoja, Jaan; Lehner, Julia; Gurevičs, Jelena; Traksmas, Rainer; Mikli, Valdek; Mellikov, Enn; Volobujeva, Olga Journal of vacuum science & technology A 2014 / p. 061506-1 - 061506-6 : ill <https://doi.org/10.1116/1.4896334> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Annealing effect on CdS films : transition from glass to ITO**

**Maticiu, Natalia**; Hiie, Jaan IOP conference series : materials science and engineering 2013 / p. 1-4 : ill <https://doi.org/10.1088/1757-899X/49/1/012061> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

### **Annealing of Al-Zn-Mg-Cu alloy at high pressures : evolution of microstructure and the corrosion behavior**

Suo, Chuanjun; Ma, Pan; Jia, Yandong; Liu, Xiao; Shi, Xuerong; Yu, Zhishui; **Prashanth, Konda Gokuldoss** Materials 2021 / art. 2076, 17 p. : ill <https://doi.org/10.3390/ma14082076> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Antibacterial activity of positively and negatively charged hematite ( $\alpha$ -Fe<sub>2</sub>O<sub>3</sub>) nanoparticles to Escherichia coli, Staphylococcus aureus and Vibrio fischeri**

Vihodceva, Svetlana; Šutka, Andris; Sihtmäe, Mariliis; **Rosenberg, Merilin**; Otsus, Maarja; Kurvet, Imbi; Smits, Krisjanis; Bikse, Liga; Kahru, Anne; Kasemets, Kaja Nanomaterials 2021 / p. 1-26 <https://doi.org/10.3390/nano11030652> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Application of active thermography for the study of losses in components produced by laser powder bed fusion**

Quercio, Michele; Poskovic, Emir; Franchini, Fausto; Fracchia, Elisa; Ferraris, Luca; Canova, Aldo; Tenconi, Alberto; **Tiismus, Hans**; **Kallaste, Ants** Journal of magnetism and magnetic materials 2024 / art. 171796 <https://doi.org/10.1016/j.jmmm.2024.171796> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Application of HOHWM for vibration analysis of nanobeams**

**Kirs, Maarjus**; **Eerne, Martin**; Bassir, David; **Tungel, Ernst** Modern Materials and Manufacturing 2019 : 12th International DAAAM Baltic Conference and 27th International Baltic Conference BALTMATRIB 2019. Selected, peer reviewed papers from the conference Modern Materials and Manufacturing 2019 (MMM 2019), April 24-26, 2019, Tallinn, Estonia 2019 / p. 230-235 <https://www.scientific.net/KEM.799.230> [https://www.eester.ee/record=b5235278\\*est](https://www.eester.ee/record=b5235278*est) <https://doi.org/10.4028/www.scientific.net/KEM.799.230> [Conference proceeding at Scopus](#) [Article at Scopus](#)

### **Application of ultrasonic sprayed zirconium oxide dielectric in zinc tin oxide-based thin film transistor**

**Oluwabi, Abayomi Titilope**; **Katerski, Atanas**; Carlos, Emanuel; Branquinho, Rita; **Mere, Arvo**; **Krunks, Malle**; Fortunato, Elvira; Pereira, Luis; **Oja Acik, Ilona** Journal of materials chemistry C 2020 / p. 3730-3739 : ill <https://doi.org/10.1039/C9TC05127A> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Applying RIS-based communication for collaborative computing in a swarm of drones**

**Rahbari, Dadmehr**; Alam, Muhammad Mahtab; Le Moullec, Yannick; **Jenihhin, Maksim** IEEE Access 2023 / p. 70093-70109 <https://doi.org/10.1109/ACCESS.2023.3293737> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Aqueous bromide oxidized with pulsed corona discharge**

**Petrošenko, Irina**; **Preis, Sergei** Journal of electrostatics 2024 / art. 103978, 9 p. : ill <https://doi.org/10.1016/j.elstat.2024.103978> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Aqueous photocatalytic oxidation of prednisolone**

**Klauson, Deniss**; **Pilnik-Sudareva, Jana**; **Pronina, Natalja**; **Budarnaja, Olga**; **Kritševskaja, Marina**; **Käkinen, Aleksandr**; **Juganson, Katre**; **Preis, Sergei** Central European journal of chemistry 2013 / p. 1620-1633 : ill <https://doi.org/10.2478/s11532-013-0290-8> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **The ARROWS project : robotic technologies for underwater archaeology**

Allotta, Benedetto; Costanzi, Riccardo; Ridolfi, Alessandro; Salvetti, Ovidio; Reggiannini, Marco; **Kruusmaa, Maarja**; **Salumäe, Taavi**; Lane, David M. Mike; Frost, Gordon; Tsiogkas, Nikolaos; Cocco, Michele IOP conference series : materials science and engineering 2018 / art. 012088 <https://doi.org/10.1088/1757-899X/364/1/012088> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

### **Assessment of 3D printed steels and composites intended for wear applications in abrasive, dry or slurry erosive conditions**

**Kumar, Rahul**, 1993-; **Antonov, Maksim**; Beste, U.; **Goljandin, Dmitri** International journal of refractory metals and hard materials 2020 / art. 105126, 9 p. : ill <https://doi.org/10.1016/j.jrmhm.2019.105126> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Assessment of abrasive powder behaviour during impact-abrasive wear of PCD elements**

Gomon, Dmitri; Auriemma, Fabio; Antonov, Maksim Wear 2019 / p. 151-161 : ill <https://doi.org/10.1016/j.wear.2019.03.024> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Assessment of the reliability of hardfacings for soil rippers**

Jankauskas, Vytenis; Katinas, Egidijus; Varnauskas, Valentinas; Katinas, A.; Antonov, Maksim Journal of friction and wear 2015 / p. 89-95 : ill <https://doi.org/10.3103/S106836661501016X> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Asymmetric cyclopropanation via an electro-organocatalytic cascade**

Krech, Anastasiya; Laktsevich-Iskryk, Marharyta; Deil, Nora; Fokin, Mihail; Kimm, Mariliis; Ošeka, Maksim Chemical communications 2024 / 14026-14029 <https://doi.org/10.1039/D4CC05092D> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Asymmetric NDI electron transporting SAM materials for application in photovoltaic devices**

Svirskaitė, Lauryna Monika; Mandati, Sreekanth; Spalatu, Nicolae; Malinauskienė, Vida; Karazhanov, Smagul; Getautis, Vytautas; Malinauskas, Tadas Synthetic metals 2022 / art. 117214 <https://doi.org/10.1016/j.synthmet.2022.117214> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Atomic layer deposition of alumina on g-Al<sub>2</sub>O<sub>3</sub> nanofibres**

Jõgiaas, Taivo; Arroval, Tõnis; Kollo, Lauri; Hussainova, Irina Physica status solidi (a) : applications and materials science 2014 / p. 403-408 : ill <https://doi.org/10.1002/pssa.201330083> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Atomic layer deposition of high-k dielectrics on carbon nanoparticles**

Tamm, Aile; Koel, Mihkel; Peikolainen, Anna-Liisa Thin solid films 2013 / p. 16-20 : ill <https://doi.org/10.1016/j.tsf.2012.09.071> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Atomic layer deposition of titanium oxide films on As-synthesized magnetic Ni particles: magnetic and safety properties**

Uudeküll, Peep; Kozlova, Jekaterina; Mändar, Hugo; Link, Joosep; Sihtmäe, Mariliis; Käosaar, Sandra; Blinova, Irina; Kasemets, Kaja; Kahru, Anne; Stern, Raivo Journal of magnetism and magnetic materials 2017 / p. 299-304 : ill <https://doi.org/10.1016/j.jmmm.2017.01.045> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Atomic structure and dynamics of unusual and wide-gap phase-change chalcogenides : a GeTe<sub>2</sub> case**

Usuki, Takeshi; Benmore, Chris J.; Tverjanovich, Andrey; Bereznev, Sergei; Khomenko, Maxim; Sokolov, Anton; Fontanari, Daniele; Ohara, Koji; Bokova, Maria; Kassem, Mohammad; Bychkov, Eugene Physica status solidi - rapid research letters 2024 / art. 2300482 <https://doi.org/10.1002/pssr.202300482> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Atypical phase-change alloy Ga<sub>2</sub>Te<sub>3</sub> : atomic structure, incipient nanotectonic nuclei, multilevel writing**

Tverjanovich, Andrey; Khomenko, Maksym; Benmore, Chris; Bereznev, Sergei; Sokolov, Anton; Fontanari, Daniele; Kiselev, Aleksei; Lotin, Andrey; Bychkov, Eugene Journal of materials chemistry C 2021 / p. 17019-17032 <https://doi.org/10.1039/d1tc03850h> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Au/Ga<sub>2</sub>O<sub>3</sub>/ZnO heterostructure nanorods arrays for effective photoelectrochemical water splitting**

Abdalla, Akram; Khan, Ibrahim; Sohail, Manzar; Qurash, Ansanulhaq Solar energy 2019 / p. 333-338 : ill <https://doi.org/10.1016/j.solener.2019.01.065> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Automatic generation control of a future multisource power system considering high renewables penetration and electric vehicles: Egyptian Power System in 2035**

Nour, Morsy; Magdy, Gaber; Chaves-Avila, Jose Pablo; Sanchez-Mirallas, Alvaro; Petlenkov, Eduard IEEE Access 2022 / p. 51662-51681 : ill <https://doi.org/10.1109/ACCESS.2022.3174080> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Average residual stresses in hard Physical Vapor Deposited (PVD) coatings**

Lille, Harri; Ryabchikov, Alexander; Kõo, Jakub; Mikli, Valdek; Adoberg, Eron; Vagiström, Heinar; Kübarsepp, Jakob; Peetsalu, Priidu Modern Materials and Manufacturing 2019 : 12th International DAAAM Baltic Conference and 27th International Baltic Conference BALTMATRIB 2019. Selected, peer reviewed papers from the conference Modern Materials and Manufacturing 2019 (MMM 2019), April 24-26, 2019, Tallinn, Estonia 2019 / p. 20-25 : ill <https://doi.org/10.4028/www.scientific.net/KEM.799.20> <https://www.scientific.net/KEM.799.20> [https://www.ester.ee/record=b5235278\\*est](https://www.ester.ee/record=b5235278*est) [Conference proceeding at Scopus](#) [Article at Scopus](#)

### **Back-calculation of elastic moduli of a ply from the moduli of cross-ply laminates**

Lasn, Kaspar; Klauson, Aleksander; Echtermeyer, Andreas T. Mechanics of composite materials 2015 / p. 55-68 : ill <https://doi.org/10.1007/s11029-015-9476-9> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Bacterial polysaccharide levan as stabilizing, non-toxic and functional coating material for microelement-nanoparticles**

Bondarenko, Olesja; Ivask, Angela; Kahru, Anne; Titma, Tiina; Pudova, Ksenia; Adamberg, Signe Carbohydrate polymers 2015 /

p. 710-720 : ill <https://doi.org/10.1016/j.carbpol.2015.09.093> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

### **Band gap engineering by cationic substitution in Sn(Zr<sub>1-x</sub>Ti<sub>x</sub>)Se<sub>3</sub> alloy for bottom sub-cell application in solar cells**

Kondrotas, Rokas; Pakstas, Vidas; Franckevicius, Marius; Suchodolskis, Arturas; Tumenas, Saulius; Jasinskas, Vidmantas; Juskenas, Remigijus; Krotkus, Arunas; **Muska, Katri; Kauk-Kuusik, Marit** Journal of materials chemistry A 2023 / p. 26488–26498 : ill <https://doi.org/10.1039/D3TA05550G> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

### **Bandgap dynamics in locally resonant metastructures : a general theory of internal resonator coupling**

**Alimohammadi, Hossein; Vassiljeva, Kristina**; HosseinNia, S. Hassan; **Petlenkov, Eduard** Applied Sciences (Switzerland) 2024 / art. 2447 <https://doi.org/10.3390/app14062447> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

### **Bandgap fluctuations, hot carriers, and band-to-acceptor recombination in Cu<sub>2</sub>ZnSn(S,Se)<sub>4</sub> microcrystals**

**Krustok, Jüri; Kaupmees, Reelika; Abbasi, Nafiseh; Muska, Katri; Mengü, Idil; Timmo, Kristi** Physica status solidi - rapid research letters 2023 / art. 2300077, 5 p. : ill <https://doi.org/10.1002/pssr.202300077> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

### **Battery size optimization with customer PV installations and domestic load profile**

**Shabbir, Noman; Kütt, Lauri; Astapov, Victor**; Jawad, Muhammad; Allik, Alo; **Husev, Oleksandr** IEEE Access 2022 / p. 13012-13025 : ill <https://doi.org/10.1109/ACCESS.2022.3147977> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

### **Behaviour of tungsten alloy with iron and nickel under repeated high temperature plasma pulses**

Laas, T.; Laas, K.; Paju, J.; **Priimets, Jaanis**; Tökke, Siim; Väli, B.; **Shirokova, Veroonika; Antonov, Maksim**; Gribkov, V.A.; Demina, E.V.; Pimenov, V.N.; Paduch, M.; Matulka, R.; Akel, M. Fusion engineering and design 2020 / art. 111408 <https://doi.org/10.1016/j.fusengdes.2019.111408> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

### **Beneficial effects of stoichiometry and nanostructure for a LiBH<sub>4</sub>-MgH<sub>2</sub> hydrogen storage system**

Hu, Jianjiang; **Witter, Raiker**; Shao, Huaiyu; Felderhoff, Michael; Fichtner, Maximilian Journal of materials chemistry A 2014 / p. 66-72 : ill <https://doi.org/10.1039/C3TA13775A> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

### **Bifunctional oxygen electrocatalyst based on Fe, Co, and nitrogen co-doped graphene-coated alumina nanofibers for Zn-air battery air electrode**

Mooste, Marek; Ahmed, Zubair; Kapitulsis, Pavels; **Ivanov, Roman**; Treshchalov, Alexey; Piirsoo, Helle-Mai; Kikas, Arvo; Kisand, Vambola; Kukli, Kaupo; **Hussainova, Irina**; Tammeveski, Kaido Applied Surface Science 2024 / art. 160024 <https://doi.org/10.1016/j.apsusc.2024.160024> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

### **Bioactive ceramic scaffolds for bone tissue engineering by powder bed selective laser processing : a review**

**Kamboj, Nikhil Kumar**; Ressler, Antonia; **Hussainova, Irina** Materials 2021 / art. 5338 <https://doi.org/10.3390/ma14185338> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

### **Biodegradable polyurethane/graphene oxide scaffolds for soft tissue engineering : in vivo behavior assessment**

Ivanoska-Dacikj, Aleksandra; Bogoeva-Gaceva, Gordana; **Krumme, Andres; Tarasova, Elvira**; Scalera, Chiara; Stojkovski, Velimir; Gjorgoski, Icko; Ristoski, Trpe International Journal of Polymeric Materials and Polymeric Biomaterials 2020 / p. 1101 - 1111 <https://doi.org/10.1080/00914037.2019.1655754> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

### **Bioinspired and multifunctional tribological materials for sliding, erosive, machining, and energy-absorbing conditions : A review**

**Kumar, Rahul, 1993-; Rezapourianghahfarokhi, Mansoureh**; Rahmani Ahranjani, Ramin; **Maurya, Himanshu Singh; Kamboj, Nikhil Kumar; Hussainova, Irina** Biomimetics 2024 / art. 209 <https://doi.org/10.3390/biomimetics9040209> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

### **Bio-inspired TiB<sub>2</sub>-TiB-TiN lattices by selective laser melting**

**Liu, Le; Minasyan, Tatevik; Kamboj, Nikhil; Aydynyan, Sofiya; Hussainova, Irina** Materials Letters 2020 / art. 128337 <https://doi.org/10.1016/j.matlet.2020.128337> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

### **Bioinspired whisker sensor for 3D mapping of underground mining environments**

Gomez, Virgilio; **Remmas, Mohamed Walid**; Hernando, Miguel; **Ristolainen, Asko**; Rossi, Claudio Biomimetics 2024 / art. 83 <https://doi.org/10.3390/biomimetics9020083> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

### **Biomechanical Features of Graphene-Augmented Inorganic Nanofibrous Scaffolds and Their Physical Interaction with Viruse**

Gasik, Michael; **Ivanov, Roman**; Kazantseva, Jekaterina; Bilotsky, Yevgen; **Hussainova, Irina** Materials 2021 / art. 164 <https://doi.org/10.3390/ma14010164> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

### **Biomimetic design of implants for long bone critical-sized defects**

**Rezapourianghahfarokhi, Mansoureh; Kamboj, Nikhil Kumar; Jasiuk, Iwona; Hussainova, Irina** Journal of the mechanical behavior of biomedical materials 2022 / art. 105370 <https://doi.org/10.1016/j.jmbm.2022.105370> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Biosafe sustainable antimicrobial encapsulation and coatings for targeted treatment and infections prevention: Preparation for another pandemic**

**Usmani, Zeba; Lukk, Tiit; Mohanachandran, Dileep Kumar** Current Research in Green and Sustainable Chemistry 2021 / art. 100074 <https://doi.org/10.1016/j.crgsc.2021.100074> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**1-butyl-3-methylimidazolium chloride assisted electrospinning of SAN/MWCNTs conductive reinforced composite membranes**

**Gudkova, Viktoria; Krumme, Andres; Märtson, Triin; Rikko, M.; Tarasova, Elvira; Savest, Natalja; Viirsalu, Mihkel** Journal of electrostatics 2015 / p. 11-16 : ill <https://doi.org/10.1016/j.elstat.2015.09.002> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Boosting phosphorescence efficiency by crystal anisotropy in SrAl<sub>2</sub>O<sub>4</sub>:Eu,Dy textured ceramic layers**

**Rojas Hernandez, Rocio Estefania; Rubio-Marcos, Fernando; Serrano, Aida; Hussainova, Irina; Fernandez, Jose Francisco** Journal of the European Ceramic Society 2020 / p. 1677–1683 : ill <https://doi.org/10.1016/j.jeurceramsoc.2019.11.019> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Broad-band photoluminescence of donor-acceptor pairs in tetrahedrite Cu<sub>10</sub>Cd<sub>2</sub>Sb<sub>4</sub>S<sub>13</sub> microcrystals**

**Krustok, Jüri; Raadik, Taavi; Kaupmees, Reelika; Ghisani, Fairouz; Timmo, Kristi; Altosaar, Mare; Mikli, Valdek; Grossberg, Maarja** Journal of physics D: applied physics 2021 / art. 105102, 7 p. : ill <https://doi.org/10.1088/1361-6463/abce29> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Budded baculoviruses as a receptor display system to quantify ligand binding with TIRF microscopy**

**Laasfeld, Tõnis; Ehrminger, Robin; Tahk, Maris-Johanna; Veiksina, Santa; Kõlvart, Karl Rene; Min, Mart; Kopanchuk, Sergei; Rinken, Ago** Nanoscale 2021 / p. 2436 – 2447 <https://doi.org/10.1039/d0nr06737g> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Calculation method for optimization of barge hull**

**Gornostajev, Dmitri; Arjassov, Gennadi; Penkov, Igor** International review of mechanical engineering (IREME) 2016 / p. 115-124 : ill <https://doi.org/10.15866/ireme.v10i2.8351> [Journal metrics at Scopus](#) [Article at Scopus](#)

**Carbon xerogel from 5-methylresorcinol-formaldehyde gel : the controllability of structural properties**

**Peikolainen, Anna-Liisa; Uibu, Mai; Kozlova, Jekaterina; Mändar, Hugo; Tamm, Aile; Aabloo, Alvo** Carbon trends 2021 / art. 100037, 11 p. : ill <https://doi.org/10.1016/j.cartre.2021.100037> [Journal metrics at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

**<sup>13</sup>C- and <sup>15</sup>N-labeling of amyloid- $\beta$  and inhibitory peptides to study their interaction via nanoscale infrared spectroscopy**

**Paul, Suman; Jenišťová, Adéla; Vosough, Faraz; Bertsson, Elina; Mörmann, Cecilia; Jarvet, Jüri; Gräslund, Astrid; Wärmländer, Sebastian K.T.S.; Barth, Andreas** Communications Chemistry 2023 / art. 163 <https://doi.org/10.1038/s42004-023-00955-w> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Carbonation of steel slag and gypsum for building materials and associated reaction mechanisms**

**Wang, Xue; Ni, Wen; Li, Jiajie; Zhang, Siqi; Hitch, Michael William; Pascual, Rodrigo** Cement and Concrete Research 2019 / art. 105893, 12 p. : ill <https://doi.org/10.1016/j.cemconres.2019.105893> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Caseins from bovine colostrum and milk strongly bind piscidin-1, an antimicrobial peptide from fish**

**Kütt, Mary-Liis; Stagsted, Jan** International journal of biological macromolecules 2014 / p. 364-372 : ill <https://doi.org/10.1016/j.ijbiomac.2014.06.063> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Causality in strain gradient elasticity: An internal variables approach**

**Berezovski, Arkadi** Mechanics research communications 2022 / art. 103997 <https://doi.org/10.1016/j.mechrescom.2022.103997> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Cavitation resistance of WC-10Co4Cr and WC-20CrC-7Ni HVOF coatings**

**Korobov, Yuri; Alwan, H.; Soboleva, Natalia; Antonov, Maksim** Journal of Thermal Spray Technology 2022 / p. 234–246 <https://doi.org/10.1007/s11666-021-01242-7> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Cavitation-dispersion method for copper cementation from wastewater by iron powder**

**Shishkin, Andrei; Mironovs, Viktors; Vu, Hong; Novak, Pavel; Baroninš, Janis; Polyakov, Alexandr; Ozolins, Jurijs** Metals 2018 / art. 920, 11 p. : ill <https://doi.org/10.3390/met8110920> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**CCM and DCM analysis of Quasi-Z-Source derived push-pull DC/DC converter**

**Chub, Andrii; Husev, Oleksandr; Blinov, Andrei; Vinnikov, Dmitri** Journal of microelectronics, electronic components and

materials 2014 / p. 224-234 : ill [http://www.midem-drustvo.si/Journal%20papers/MIDEM\\_44\(2014\)3p224.pdf](http://www.midem-drustvo.si/Journal%20papers/MIDEM_44(2014)3p224.pdf) [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **CdSe nanofiber and nanohorn structures on ITO substrates fabricated by electrochemical deposition**

**Kois, Julia; Gurevič, Jelena; Bereznev, Sergei; Volobujeva, Olga; Öpik, Andres; Mellikov, Enn** Applied surface science 2013 / p. 982-985 : ill <https://doi.org/10.1016/j.apsusc.2013.07.056> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Cermets with Fe-alloy binder : a review**

**Kübarsepp, Jakob; Juhani, Kristjan** International journal of refractory metals and hard materials 2020 / art. 105290, 25 p. : ill <https://doi.org/10.1016/j.jirmhm.2020.105290> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **CFD comparison of the influence of casting of samples on the fiber orientation distribution**

**Goidyk, Oksana; Heinštein, Mark; Herrmann, Heiko** Fibers 2023 / art. 6 <https://doi.org/10.3390/fib11010006> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Challenges and perspectives in control of ionic polymer-metal composite (IPMC) actuators : a survey**

**Aabloo, Alvo; Belikov, Juri; Kaparin, Vadim; Kotta, Ülle** IEEE Access 2021 / art. 9133056, p. 121059-121073 <https://doi.org/10.1109/ACCESS.2020.3007020> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Challenges of smart grids implementation**

**Ahmadihangar, Roya; Rosin, Argo; Palu, Ivo; Azizi, Aydin** Demand-side flexibility in smart grid 2020 / p. 1-15 [https://doi.org/10.1007/978-981-15-4627-3\\_1](https://doi.org/10.1007/978-981-15-4627-3_1) [Journal metrics at Scopus](#) [Article at Scopus](#)

#### **Change in the parameters of electron-irradiated 4H-SiC Schottky diodes as a function of the time during low-temperature isothermal annealing**

**Korolkov, Oleg; Kozlovski, Vitali V.; Lebedev, Alexander A.; Toompuu, Jana; Sleptsuk, Natalja; Rang, Toomas** Silicon Carbide and Related Materials 2018 : 12th European Conference on Silicon Carbide and Related Materials (ECSCRM 2018) : Selected, peer reviewed papers from the European Conference on Silicon Carbide and Related Materials (ECSCRM 2018), September 2-6, 2018, Birmingham, UK 2019 / p. 734-737 <https://doi.org/10.4028/www.scientific.net/MSF.963.734> [Conference proceeding at Scopus](#) [Article at Scopus](#)

#### **Changes in surface morphology, deflection and wear of microcrystalline diamond film observed during sliding tests against Si<sub>3</sub>N<sub>4</sub> balls**

**Bogatov, Andrei; Traksmas, Rainer; Podgurski, Vitali** Engineering materials and tribology : selected, peer reviewed papers from the 24th International Baltic Conference on Engineering Materials & Tribology (BALTMATRIB & IFHTSE 2015), November 5-6, 2015, Tallinn, Estonia 2016 / p. 145-151 : ill <https://doi.org/10.4028/www.scientific.net/KEM.674.145> [Conference Proceedings at Scopus](#) [Article at Scopus](#)

#### **Characterisation of TiC-NiMo reinforced Ni-based hardfacing**

**Zikin, Arkadi; Badisch, Ewald; Hussainova, Irina; Tomastik, C.; Danninger, Herbert** Surface & coatings technology 2013 / p. 36-44 : ill <https://www.sciencedirect.com/science/article/pii/S0257897213001825> <https://doi.org/10.1016/j.surfcoat.2013.02.027> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Characterising local environments in high energy density Li-ion battery cathodes: A combined NMR and first principles study of LiFe<sub>0.5</sub>Co<sub>1.5</sub>PO<sub>4</sub>**

**Strobridge, Fiona C.; Middlemiss, Derek S.; Pell, Andrew J.; Leskes, Michal; Clément, Raphaële J.; Pourpoint, Frédérique; Lu, Zhonguang; Hanna, John V.; Pintacuda, Guido; Samoson, Ago** Journal of materials chemistry A 2014 / p. 11948-11957 : ill <https://doi.org/10.1039/c4ta00934g> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Characterization of FeS<sub>2</sub> pyrite microcrystals synthesized in different flux media**

**Kristmann, Katrin; Raadik, Taavi; Altosaar, Mare; Danilson, Mati; Krustok, Jüri; Paaver, Peeter; Butenko, Yuriy** Materials advances 2023 / p. 1565 - 1575 <https://doi.org/10.1039/D3MA00697b> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Characterization of gas-atomized equiatomic AlCoCrFeNi powder for additive manufacturing**

**Karimi, Javad; Kollo, Lauri; Prashanth, Konda Gokuldoss** Metallurgical and materials transactions A : Physical metallurgy and materials science 2023 / p. 3417-3424 : ill <https://doi.org/10.1007/s11661-023-07129-2> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Characterization of organosolv lignins and their application in the preparation of aerogels**

**Jõul, Piia; Ho, Tran T.; Kallavus, Urve; Konist, Alar; Leiman, Kristiina; Salm, Olivia-Stella; Kulp, Maria; Koel, Mihkel; Lukk, Tiit** Materials 2022 / art. 2861 <https://doi.org/10.3390/ma15082861> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Characterization of tetrahedrite Cu<sub>10</sub>Cd<sub>2</sub>Sb<sub>4</sub>S<sub>13</sub> monograin materials grown in molten CdI<sub>2</sub> and LiI**

**Ghisani, Fairouz; Timmo, Kristi; Altosaar, Mare; Mikli, Valdek; Pilvet, Maris; Kaupmees, Reelika; Krustok, Jüri; Grossberg, Maarja; Kauk-Kuusik, Marit** Thin solid films 2021 / art. 138980 <https://doi.org/10.1016/j.tsf.2021.138980> [Journal metrics at Scopus](#)  
[Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Characterization of the applied materials for floating offshore wind turbine members: A review on the current state**

Wijaya, Muhammad Rizky Arga; Adiputra, Ristiyanto; Aditya Rio, Prabowo; **Putranto, Teguh**; Smaradhana, Dharu Feby Procedia Structural Integrity, vol 37 2023 / p. 41-49 : ill <https://doi.org/10.1016/j.prostr.2023.07.108> [Conference proceedings at Scopus](#) [Article at Scopus](#)

**Characterization of the temperature dependent behavior of snappy phenomenon by the switching-off of GaAs power diode structures**

**Koel, Ants; Rang, Toomas; Rang, Galina** Heat transfer XIII : simulation and experiments in heat and mass transfer 2014 / p. 439-449 : ill <https://doi.org/10.2495/HT140381> [Conference proceedings at Scopus](#) [Article at Scopus](#)

**Characterization of TiC-FeCrMn cermets produced by powder metallurgy method**

**Kolnes, Märt; Kübarsepp, Jakob; Kollo, Lauri; Viljus, Mart** Medžiagotyra = Materials science 2015 / p. 353-357 : ill <https://doi.org/10.5755/j01.ms.21.3.7364> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Characterizing the bond properties of automatically placed helical reinforcement in 3D printed concrete**

**Hass, Lauri**; Bos, F.P.; Salet, T.A.M. Construction and building materials 2022 / art. 129228, 16 p. : ill <https://doi.org/10.1016/j.conbuildmat.2022.129228> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Charring performance of timber structures protected by traditional lime-based plasters**

**Liblik, Johanna; Nurk, Meeri; Just, Alar** Construction and building materials 2022 / art. 128572 <https://doi.org/10.1016/j.conbuildmat.2022.128572> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Chemical bath deposition of SnS thin films on ZnS and CdS substrates**

**Safonova, Maria**; Nair, Padmanabhan Pankajakshy Karunakaran; **Mellikov, Enn**; Garcia, A. R.; **Kerm, Karin; Revathi, Naidu**; Romann, Tavo; **Mikli, Valdek; Volobujeva, Olga** Journal of materials science : materials in electronics 2014 / p. 3160-3165 : ill <https://doi.org/10.1007/s10854-014-1998-8> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Chemical etching of tetrahedrite Cu<sub>10</sub>Cd<sub>2</sub>Sb<sub>4</sub>S<sub>13</sub> monograin powder materials for solar cell applications**

**Ghisani, Fairouz; Timmo, Kristi; Altosaar, Mare; Mikli, Valdek; Danilson, Mati; Grossberg, Maarja; Kauk-Kuusik, Marit** Materials science in semiconductor processing 2022 / art. 106291 <https://doi.org/10.1016/j.mssp.2021.106291> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Chiral recognition by supramolecular porphyrin-hemicucurbit[8]uril-functionalized gravimetric sensors**

Magna, Gabriele; **Šakarašvili, Marko**; Stefanelli, Manuela; Giancane, Gabriele; Bettini, Simona; Valli, Ludovico; **Ustrnul, Lukas; Borovkov, Victor; Aav, Riina**; Monti, Donato; Di Natale, Corrado; Paolesse, Roberto ACS applied materials and interfaces 2023 / p. 30674-30683 <https://doi.org/10.1021/acsami.3c05177> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Circular production, designing, and mechanical testing of polypropylene-based reinforced composite materials : statistical analysis for potential automotive and nuclear applications**

**Hussain, Abrar; Podgurski, Vitali; Goljandin, Dmitri; Antonov, Maksim; Sergejev, Fjodor; Krasnou, Illia** Polymers 2023 / art. 3410, 30 p. : ill <https://doi.org/10.3390/polym15163410> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Circumventing Solidification Cracking Susceptibility in Al-Cu Alloys Prepared by Laser Powder Bed Fusion**

Xi, Lixia; Lu, Qiuyang; Gu, Dongdong; Cao, Shaoting; Zhang, Han; Kaban, Ivan; Sarac, Baran; **Prashanth, Konda Gokuldoss**; Eckert, Jürgen 3D Printing and Additive Manufacturing 2024 / p. E731 - E742 <https://doi.org/10.1089/3dp.2022.0207> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Clustering-based penalty signal design for flexibility utilization**

**Rosin, Argo; Ahmadihangar, Roya; Azizi, Elnaz**; Sahoo, Subham; **Vinnikov, Dmitri**; Blaabjerg, Frede; Dragicevic, Tomislav; Bolouki, Sadegh IEEE Access 2020 / p. 208850-208860 <https://doi.org/10.1109/ACCESS.2020.3038822> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**CO<sub>2</sub> mineralization by burnt oil shale and cement bypass dust : effect of operating temperature and pre-treatment**

**Yörük, Can Rüstü; Uibu, Mai; Usta, Mustafa Cem; Kaljuvee, Tiit; Trikkel, Andres** Journal of thermal analysis and calorimetry 2020 / p. 991-999 : ill <https://doi.org/10.1007/s10973-020-09349-9> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Cogniflow-drop : integrated modular system for automated generation of droplets in microfluidic applications**

**Jõemaa, Rauno; Gyimah, Nafisat; Ashraf, Kanwal; Pärnamets, Kaiser; Zaft, Alexander; Scheler, Ott; Rang, Toomas; Pardy, Tamas** IEEE Access 2023 / p. 104905-104929 <https://doi.org/10.1109/ACCESS.2023.3316726> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Combinative solution processing and Li doping approach to develop p-type NiO thin films with enhanced electrical properties**

**Oluwabi, Abayomi Titilope; Spalatu, Nicolae;** Maticiu, Natalia; **Katerski, Atanas; Mere, Arvo; Krunks, Malle; Oja Acik, Ilona**

Frontiers in materials 2023 / 12 p. : ill <https://doi.org/10.3389/fmats.2023.1060420> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Combined effects of test media and dietary algae on the toxicity of CuO and ZnO nanoparticles to freshwater microcrustaceans daphnia magna and heterocypris incongruens : food for thought**

**Muna, Marge;** Blinova, Irina; Kahru, Anne; Vrček, Ivana Vinković; Pem, Barbara; Orupöld, Kaja; Heinlaan, Margit Nanomaterials 2019

/ art. 23 <https://doi.org/10.3390/nano9010023> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Combined sol-gel and carbothermal synthesis of ZrC-TiC powders for composites**

Umalas, Madis; **Hussainova, Irina;** Reedo, Valter; **Yung, Der-Liang** Materials chemistry and physics 2015 / p. 301-306 : ill

<https://doi.org/10.1016/j.matchemphys.2015.01.017> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Combustion synthesis and reactive spark plasma sintering of non-equiatomic coal-based high entropy intermetallics**

Kuskov, Kirill Vasilevich; Nepapushev, Andrey A.; **Aydinyan, Sofiya;** Shaysultanov, Dmitry G.; Stepanov, Nikita D.; Nazaretyan, Khachik; Kharatyan, Suren; Zakharova, Elena V.; Belov, Dmitry S.; Moskovskikh, Dmitry O. Materials 2023 / art. 1490

<https://doi.org/10.3390/ma16041490> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Combustion synthesis of MAX phases: microstructure and properties inherited from the processing pathway**

**Aydinyan, Sofiya** Crystals 2023 / art. 1143 <https://doi.org/10.3390/cryst13071143> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Combustion synthesis of MoSi<sub>2</sub> based composite and selective laser sintering thereof**

**Minasyan, Tatevik; Aghayan, Marina; Liu, Le; Aydinyan, Sofiya; Kollo, Lauri; Hussainova, Irina;** Rodriguez, Miguel Angel

Journal of the European Ceramic Society 2018 / p. 3814-3821 : ill <https://doi.org/10.1016/j.jeurceramsoc.2018.04.043> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Comment on "Solitons in the Heimburg-Jackson model of sound propagation in lipid bilayers are enabled by dispersion of a stiff membrane" by M. Drab et al.**

**Peets, Tanel; Tamm, Kert; Engelbrecht, Jüri** The European physical journal E 2023 / art. 34 [https://doi.org/10.1140/epje/s10189-023-](https://doi.org/10.1140/epje/s10189-023-00299-2)

[00299-2](https://doi.org/10.1140/epje/s10189-023-00299-2) [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Commissioning of moisture safety of nZEB renovation with prefabricated timber frame insulation wall elements**

**Pihelo, Peep; Kalamees, Targo** Wood material science and engineering 2021 / p. 110-117

<https://doi.org/10.1080/17480272.2019.1635206> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Common-mode voltage analysis and reduction for the quasi-Z-source inverter with a split inductor**

Liu, Wenjie; Yang, Yongheng; Kerekes, Tamas; **Liivik, Elizaveta; Vinnikov, Dmitri;** Blaabjerg, Frede Applied sciences 2020 / art.

8713, 13 p. : ill <https://doi.org/10.3390/app10238713> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Compact empirical model for droplet generation in a Lab-on-Chip cytometry system**

**Pärnamets, Kaiser; Udal, Andres; Koel, Ants; Pardy, Tamas; Gyimah, Nafisat; Rang, Toomas** IEEE Access 2022 / p. 127708-

127717 <https://doi.org/10.1109/ACCESS.2022.3226623> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Comparative analysis of residual stresses determined by various methods in brush-plated hard gold and silver coatings**

Lille, Harri; Kõo, Jakub; Ryabchikov, Alexander; Reitsnik, Renno; **Sergejev, Fjodor; Mikli, Valdek** Engineering materials & tribology

XXII 2014 / p. 8-11 <https://doi.org/10.4028/www.scientific.net/KEM.604.8> [Conference proceedings at Scopus](#) [Article at Scopus](#)

[Conference proceedings at WOS](#) [Article at WOS](#)

**Comparative analysis of telepresence robots' video performance : evaluating camera capabilities for remote teaching and learning**

**Talisainen, Aleksei; Leoste, Janika;** Virkus, Sirje Applied Sciences (Switzerland) 2024 / art. 233 <https://doi.org/10.3390/app14010233>

[Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Comparative analysis of the qualitative characteristics of formaldehyde and acetaldehyde resins based on styrene-modified oil shale alkylresorcinols**

**Jurkeviciute, Ana; Grigorieva, Larisa; Tõnsuaadu, Kaia; Blum, Kristina** Materials research express 2023 / art. 035304, 14 p. : ill

<https://doi.org/10.1088/2053-1591/acc0e1> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Comparative analysis of two methods for evaluating wear rate of nanocrystalline diamond films**

**Bogatov, Andrei; Yashin, Maxim; Viljus, Mart;** Menezes, Pradeep; **Podgurski, Vitali** Engineering materials and tribology XXV 2017 / p. 345-350 : ill <https://doi.org/10.4028/www.scientific.net/KEM.721.345> [Conference proceedings at Scopus](#) [Article at Scopus](#)

**Comparative analysis of wear rates of microcrystalline diamond and diamond-like carbon coatings deposited on WC-Co substrates**

**Yashin, Maxim; Bogatov, Andrei; Podgurski, Vitali** Engineering materials and tribology XXV 2017 / p. 436-440 : ill <https://doi.org/10.4028/www.scientific.net/KEM.721.436> [Conference proceedings at Scopus](#) [Article at Scopus](#)

**Comparative investigation of microstructure, mechanical properties and strengthening mechanisms of Al-12Si/TiB<sub>2</sub> fabricated by selective laser melting and hot pressing**

Xi, L. X.; Zhang, H.; Wang, P.; Li, H.C.; **Prashanth, Konda Gokuldoss** Ceramics international 2018 / p. 17635-17642 : ill <https://doi.org/10.1016/j.ceramint.2018.06.225> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Comparative investigation of the graphene-on-silicon carbide and CVD graphene as a basis for biosensor application**

**Sleptšuk, Natalja;** Lebedev, Alexander A.; Eliseyev, Ilya; **Korolkov, Oleg;** **Toompuu, Jana;** **Land, Raul;** **Mikli, Valdek;** Zubov, Alexander; **Rang, Toomas** Modern Materials and Manufacturing 2019 : 12th International DAAAM Baltic Conference and 27th International Baltic Conference BALTMATTRIB 2019. Selected, peer reviewed papers from the conference Modern Materials and Manufacturing 2019 (MMM 2019), April 24-26, 2019, Tallinn, Estonia 2019 / p. 185-190 : ill [https://www.ester.ee/record=b5235278\\*est](https://www.ester.ee/record=b5235278*est) <https://www.scientific.net/KEM.799.185> <https://doi.org/10.4028/www.scientific.net/KEM.799.185> [Conference proceeding at Scopus](#) [Article at Scopus](#)

**Comparative results of low temperature annealing of lightly doped n-layers of silicon carbide irradiated by protons and electrons**

Kozlovski, Vitali V.; **Korolkov, Oleg;** Lebedev, Alexander A.; **Toompuu, Jana;** **Sleptšuk, Natalja** Silicon Carbide and Related Materials 2019 : 18th International Conference on Silicon Carbide and Related Materials 2019 (ICSCRM 2019), Kyoto, Japan, September 29 - October 4, 2019 2020 / p. 231-236 <https://doi.org/10.4028/www.scientific.net/MSF.1004.231> [Conference Proceedings at Scopus](#) [Article at Scopus](#)

**Comparative study of adhesive wear for CoCr, TiC-NiMo, WC-Co as potential FSW tool materials**

**Kolnes, Mart; Kübarsepp, Jakob; Sergejev, Fjodor; Kolnes, Märt** Materials Engineering 2017 : selected, peer reviewed papers from the 26th International Baltic Conference on Materials Engineering 2017, October 26-27, Kaunas, Lithuania 2017 / p. 224-228 : ill <https://doi.org/10.4028/www.scientific.net/SSP.267.224> [Conference proceedings at Scopus](#) [Article at Scopus](#)

**Comparative study of microstructure and mechanical properties of Mg/B<sub>4</sub>C composites: Influence of sintering method and temperature**

Ghasali, Ehsan; **Kariminejad, Arash;** Raza, Saleem; Orooji, Yasin; Paimard, Giti; Babenko, Andrii; Jie, Li; Ebadzadeh, Touradj Materials chemistry and physics 2024 / art. 129876 <https://doi.org/10.1016/j.matchemphys.2024.129876> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Comparative study of perhydropolysilazane protective films**

**Shmagina, Elizaveta; Danilson, Mati; Mikli, Valdek; Bereznev, Sergei** Surface engineering 2022 / p. 769-777 : ill <https://doi.org/10.1080/02670844.2022.2155445> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Comparative study of plasma clad Fe-based composite hardfacings with in situ synthesized Cr and Ti carbide reinforcement**

**Tkachivskiy, Dmytro; Viljus, Mart; Traksmas, Rainer; Antonov, Maksim; Surženkov, Andrei; Juhani, Kristjan; Kulu, Priit** Solid state phenomena ; 320 2021 / p. 83-89 <https://doi.org/10.4028/www.scientific.net/SSP.320.83> [Conference proceedings metrics at Scopus](#) [Article at Scopus](#)

**A comparative study of the growth dynamics and tribological properties of nanocrystalline diamondfilms deposited on the (110) single crystal diamond and Si(100) substrates**

**Podgurski, Vitali; Bogatov, Andrei; Yashin, Maxim; Viljus, Mart; Volobujeva, Olga; Mere, Arvo; Raadik, Taavi** Diamond and related materials 2019 / p. 159-167 : ill <https://doi.org/10.1016/j.diamond.2018.12.024> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Comparative study of the VARTM, VAP and MTI vacuum infusion processes**

**Aruniit, Aare; Herranen, Henrik;** Miller, Kristen Engineering materials and tribology : selected, peer reviewed papers from the 24th International Baltic Conference on Engineering Materials & Tribology (BALTMATTRIB & IFHTSE 2015), November 5-6, 2015, Tallinn, Estonia 2016 / p. 71-76 : ill <https://doi.org/10.4028/www.scientific.net/KEM.674.71> [Conference Proceedings at Scopus](#) [Article at Scopus](#)

**Comparative study on electroless composite coatings of textured and untextured Al-substrates**

**Singh, Garima; Mohanty, Shalini;** Kumar Singh, Rabesh; Rai Dixit, Amit; Kumar Sharma, Anuj Materials today: proceedings 2023 / p. 233-240 : ill <https://doi.org/10.1016/j.matpr.2022.12.079> [Conference proceedings at Scopus](#) [Article at Scopus](#)

**A comparative study on physio-mechanical properties of silica compacts fabricated using rice husk ash derived amorphous and crystalline silica**

Gupta, Ashutosh; Pandey, Vaibhav; **Yadav, Mayank Kumar**; Mohanta, Kalyani; Majhi, Manas Ranjan Ceramics international 2022 / p. 35750-35758 <https://doi.org/10.1016/j.ceramint.2022.07.098> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Comparing rock shape models in grounding damage modelling**

Sormunen, Otto-Ville Edvard; Kõrgesaar, Mihkel; **Tabri, Kristjan; Heinvee, Martin; Urbel, Annika**; Kujala, Pentti Marine structures 2016 / p. 205-223 : ill <https://doi.org/10.1016/j.marstruc.2016.07.004> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Comparison of additively manufacturing samples fabricated from pre-alloyed and mechanically mixed powders**

Zhao, Chao; Wang, Zhi; Li, Daoxi; Xie, Meishen; **Kollo, Lauri**; Luo, Zongqiang; Zhang, Weiwen; **Prashanth, Konda Gokuldoss** Journal of alloys and compounds 2020 / art. 154603, 5 p. : ill <https://doi.org/10.1016/j.jallcom.2020.154603> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Comparison of damages in tungsten and tungsten doped with lanthanum-oxide exposed to dense deuterium plasma shots**

Shirokova, Veroonika; Laas, Tõnu; **Mikli, Valdek** Journal of nuclear materials 2013 / p. 181-188 : ill <https://www.sciencedirect.com/science/article/abs/pii/S0022311512006848> <https://doi.org/10.1016/j.jnucmat.2012.12.027> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Comparison of laminate stiffness as measured by three experimental methods**

**Lasn, Kaspar**; Echtermeyer, Andreas T.; **Klauson, Aleksander**; Chati, Farid; Decultot, Dominique Polymer testing 2015 / p. 143-152 : ill <https://doi.org/10.1016/j.polymertesting.2015.04.006> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Comparison of mechanical and antibacterial properties of TiO<sub>2</sub>/Ag ceramics and Ti<sub>6</sub>Al<sub>4</sub>V-TiO<sub>2</sub>/Ag composite materials using combined SLM-SPS techniques**

**Rahmani Ahranjani, Ramin; Rosenberg, Merilin; Ivask, Angela; Kollo, Lauri** Metals 2019 / art. 874, 13 p. : ill <https://doi.org/10.3390/met9080874> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Comparison of model order reduction methods for a switched reluctance machine characterization**

Boumesbah, Allaa Eddine; Martin, Florian; Krebs, Guillaume; **Belahcen, Anouar**; Marchand, Claude IEEE transactions on magnetics 2021 / art. 9355193, 7 p. : ill <https://doi.org/10.1109/TMAG.2021.3059969> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Comparison of performance-based specification properties for asphalt binders sourced from around the world**

**Lill, Kristjan**; Khan, Ahmad Nawaz; **Kontson, Karli**; Hesp, Simon A. M. Construction and building materials 2020 / art. 120552, 8 p. : ill <https://doi.org/10.1016/j.conbuildmat.2020.120552> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Comparison of plasma transferred arc and submerged arc welded abrasive wear resistant composite hardfacings**

**Simson, Taavi; Kulu, Priit; Surženkov, Andrei**; Ciuplys, Antanas; **Viljus, Mart**; Zaldarys, Gintautas Materials science = Medžiagotyra 2018 / p. 172-176 : ill <https://doi.org/10.5755/j01.ms.24.2.19121> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Comparison of some mechanical and physical methods for measurement of residual stresses in brush-plated nickel hardened gold and silver coatings**

Lille, Harri; Kõo, Jakub; Ryabchikov, Alexander; Reitsnik, Renno; **Sergejev, Fjodor**; Matvejev, Dmitri Materials science = Medžiagotyra 2016 / p. 36-40 : ill <https://doi.org/10.5755/j01.ms.22.1.7439> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Compensation topologies in IPT Systems : standards, requirements, classification, analysis, comparison and application**

Shevchenko, Viktor; **Husev, Oleksandr**; Strzelecki, Ryszard IEEE Access 2019 / art. 2937891, p. 120559–120580 : ill <https://doi.org/10.1109/ACCESS.2019.2937891> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Composition of engineering drawing through communication skills and social/material interactions from the semiotic aspect**

Lille, Harri; **Ruus, Aime** IOP conference series : materials science and engineering 4th International Conference on Innovative Materials, Structures and Technologies (IMST 2019) : 25–27 September 2019, Riga, Latvia 2019 / art. 012011, 6 p <https://doi.org/10.1088/1757-899X/660/1/012011> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

### **Compositionally tunable structure and optical properties of Cu<sub>1.85</sub>(CdxZn<sub>1-x</sub>)<sub>1.1</sub>SnS<sub>4.1</sub> (0 ≤ x ≤ 1) monograin powders**

**Pilvet, Maris; Kauk-Kuusik, Marit; Altosaar, Mare; Grossberg, Maarja; Danilson, Mati; Timmo, Kristi; Mere, Arvo; Mikli, Valdek** Thin solid films 2015 / p. 180-183 : ill <https://doi.org/10.1016/j.tsf.2014.10.091> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Conference Proceedings at WOS](#) [Article at WOS](#)

### **Computation of hysteresis torque and losses in a bearingless synchronous reluctance machine**

**Belahcen, Anouar**; Mukhrejee, Victor; Martin, Florian; Rasilo, Paavo IEEE transactions on magnetics 2018 / art. 7300804, 4 p. : ill <https://doi.org/10.1109/TMAG.2017.2765080> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Conformational switching of ethano-bridged Cu<sub>2</sub>H<sub>2</sub>-bis-porphyrin induced by aromatic amines**

Bettini, Simona; Maglie, Emanuela; Pagano, Rosanna; **Borovkov, Victor** Beilstein journal of nanotechnology 2015 / p. 2154-2160 : ill <https://doi.org/10.3762/bjnano.6.221> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **A constitutive model for linear hyperelastic materials with orthotropic inclusions by use of quaternions**

**Herrmann, Heiko** Continuum mechanics and thermodynamics 2021 / p. 1375-1384 <https://doi.org/10.1007/s00161-021-00979-4> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Contact stiffness parameters for finite element modeling of contact**

**Sivitski, Alina; Põdra, Priit** Modern Materials and Manufacturing 2019 : 12th International DAAAM Baltic Conference and 27th International Baltic Conference BALTMATTRIB 2019. Selected, peer reviewed papers from the conference Modern Materials and Manufacturing 2019 (MMM 2019), April 24-26, 2019, Tallinn, Estonia 2019 / p. 211-216 : ill [https://www.eester.ee/record=b5235278\\*est](https://www.eester.ee/record=b5235278*est) <https://www.scientific.net/KEM.799.211> <https://doi.org/10.4028/www.scientific.net/KEM.799.211> [Conference proceeding at Scopus](#) [Article at Scopus](#)

### **Convergence theorem for the Haar wavelet based discretization method**

**Majak, Jüri**; Shvartsman, Boris; **Kirs, Maarjuss**; **Pohlak, Meelis**; **Herranen, Henrik** Composite structures 2015 / p. 227-232 <https://doi.org/10.1016/j.compstruct.2015.02.050> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Correction to: CO<sub>2</sub> mineralization by burnt oil shale and cement bypass dust: effect of operating temperature and pre-treatment (Journal of Thermal Analysis and Calorimetry, (2020), 142, 2, (991-999), 10.1007/s10973-020-09349-9)**

**Yörük, Can Rüstü**; **Uibu, Mai**; **Usta, Mustafa Cem**; **Kaljuvee, Tiit**; **Triikkel, Andres** Journal of Thermal Analysis and Calorimetry 2020 / p. 1001 <https://doi.org/10.1007/s10973-020-09973-5> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Corrections to “Opportunities and Challenges of Utilizing Additive Manufacturing Approaches in Thermal Management of Electrical Machines”**

**Ghahfarokhi, Payam Shams**; Podgornovs, Andrejs; **Kallaste, Ants**; Marques Cardoso, Antonio J.; **Belahcen, Anouar**; **Vaimann, Toomas**; **Tiismus, Hans**; **Asad, Bilal** IEEE Access 2021 / p. 62532 <https://doi.org/10.1109/ACCESS.2021.3074827> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Corrigendum to "Generation and development of damages in double forged tungsten in different regimes of irradiation with extreme heat loads" [J. Nucl. Mater. 495 (2017) 91-102]**

**Paju, Jana**; Väli, Berit; Laas, Tõnu; **Shirokova, Veronika**; **Antonov, Maksim** Journal of nuclear materials 2018 / p. 323-324 : tab <https://doi.org/10.1016/j.jnucmat.2018.03.003> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Corrigendum to “Screening and optimization of processing temperature for Sb<sub>2</sub>Se<sub>3</sub> thin film growth protocol: Interrelation between grain structure, interface intermixing and solar cell performance” [Solar Energy Mater. Solar Cell. 225 (2021) 1–13 111045](S092702482100088X)(10.1016/j.solmat.2021.111045)**

**Spalatu, Nicolae**; **Krautmann, Robert**; **Katerski, Atanas**; **Kärber, Erki**; **Josepson, Raavo**; **Hiie, Jaan**; **Oja Acik, Ilona**; **Krunks, Malle** Solar Energy Materials and Solar Cells 2021 / Art. 111098 <https://doi.org/10.1016/j.solmat.2021.111098> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Corrigendum to “The influence of high energy milling and sintering parameters on reactive sintered (Ti, Mo)C–Ni cermets” [J. Alloys Compd. 636 (2015) 381–386] (S0925838815005009) (10.1016/j.jallcom.2015.02.071)**

**Jõelet, Marek**; **Pirso, Jüri**; **Juhani, Kristjan**; **Viljus, Mart**; **Traksmäa, Rainer** Journal of alloys and compounds 2018 / p. 128 <https://doi.org/10.1016/j.jallcom.2018.05.128> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Covalent coupling of ionic liquid to carbon nanotubes : preparation and tribological properties**

**Taaber, Triinu**; **Põhako-Esko, Kaija**; **Antonov, Maksim**; **Veinthal, Renno** Materials Research Society symposium proceedings 2014 / p. UU06-30 : ill <https://doi.org/10.1557/opl.2014.539> [Conference proceedings at Scopus](#) [Article at Scopus](#)

### **Crack formation and control in an AlCoCrFeNi high entropy alloy fabricated by selective laser melting**

**Wei, Shuimiao**; **Ma, Pan**; **Fang, Yacheng**; **Zhang, Zhiyu**; **Yang, Zhilu**; **Shi, Xuerong**; **Prashanth, Konda Gokuldoss** 3D Printing and Additive Manufacturing 2024 / p. E628 - E637 <https://doi.org/10.1089/3dp.2022.0142> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Creep and high temperature fatigue performance of as build selective laser melted Ti-based 6Al-4V titanium alloy**

**Viespoli, Luigi Mario**; **Bressan, Stefano**; **Itoh, Takamoto**; **Hiyoshi, Noritake**; **Prashanth, Konda Gokuldoss**; **Berto, Filippo** Engineering failure analysis 2020 / art. 104477, 9 p. : ill <https://doi.org/10.1016/j.engfailanal.2020.104477> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Critical radius of zirconia inclusions in transformation toughening of ceramics**

Filippov, Roman; Freidin, Alexander; **Hussainova, Irina**; Vilchevskaya, Elena Physical mesomechanics 2015 / p. 33-42 : ill <https://doi.org/10.1134/S1029959915010051> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Crumb rubber as a secondary raw material from waste rubber : a short review of end-of-life mechanical processing methods**

Lapkovskis, Vjaceslavs; Mironovs, Viktors; Kasperovich, Andrei; Myadelets, Vadim; **Goljandin, Dmitri** Recycling 2020 / art. 32, 20 p. : ill <https://doi.org/10.3390/recycling5040032> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Crystal structure and magnetic properties of Peacock- Weakley type polyoxometalates Na<sub>9</sub>[Ln(W<sub>5</sub>O<sub>18</sub>)<sub>2</sub>] (Ln = Tm, Yb): Rare example of Tm(III) SMM**

Mariichak, Oleksandra; **Kaabel, Sandra**; **Karpichev, Yevgen**; Rozantsev, Georgiy M.; Radio, Serhii V.; Pichon, Celine Magnetochemistry 2020 / 14 p. : ill <https://doi.org/10.3390/magnetochemistry6040053> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Cu<sub>2</sub>ZnSnS<sub>4</sub> monograin layer solar cells for flexible photovoltaic applications**

**Kauk-Kuusik, Marit**; **Timmo, Kristi**; **Pilvet, Maris**; **Muska, Katri**; **Danilson, Mati**; **Krustok, Jüri**; **Josepson, Raavo**; **Mikli, Valdek**; **Grossberg-Kuusk, Maarja** Journal of materials chemistry A 2023 / p. 23640-23652 <https://doi.org/10.1039/D3TA04541B> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Cubic iron core–shell nanoparticles functionalized to obtain high-performance MRI contrast agents**

**Volokhova, Maria**; Shugai, Anna; Tsujimoto, Masahiko; Kubo, Anna-Liisa; Telliskivi, Sven; Nigul, Mait; Uudeküll, Peep; Vija, Heiki; Bondarenko, Olesja; Adamson, Jasper; Kahru, Anne; Stern, Raivo; Seinberg, Liis Materials 2022 / art. 2228 <https://doi.org/10.3390/ma15062228> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Cu(In,Ga)Se<sub>2</sub> monograin powders with different Ga content for solar cells**

**Timmo, Kristi**; **Kauk-Kuusik, Marit**; **Pilvet, Maris**; **Altosaar, Mare**; **Grossberg, Maarja**; **Danilson, Mati**; **Kaupmees, Reelika**; **Mikli, Valdek**; **Raudoja, Jaan**; **Varema, Tiit** Solar energy 2018 / p. 648–655 : ill <https://doi.org/10.1016/j.solener.2018.10.078> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **CuInS<sub>2</sub> solar cell absorber plasmonically modified by gold nanoparticles**

Repän, Taavi; Dolgov, Leonid; **Katerski, Atanas**; **Oja Acik, Ilona**; **Kärber, Erki**; **Mere, Arvo**; **Mikli, Valdek**; **Krunks, Malle**; Sildos, Ilmo Applied physics. A, Materials science & processing 2014 / p. 455-458 : ill <https://doi.org/10.1007/s00339-014-8681-z> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Cu-Ni-Sn alloy fabricated by melt spinning and selective laser melting: a comparative study on the microstructure and formation kinetics**

Zhao, Chao; Wang, Zhi; Li, Daoxi; **Kollo, Lauri**; Luo, Zongqiang; Zhang, Weiwen; **Prashanth, Konda Gokuldoss** Journal of materials research and technology 2020 / p. 13097–13105 <https://doi.org/10.1016/j.jmrt.2020.09.047> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Current sensorless control for half-bridge based AC/DC PFC converter with consideration of conduction losses**

Suzdalenko, Alexander; **Chub, Andrii** International journal of circuit theory and applications 2016 / p. 2072-2084 : ill <https://doi.org/10.1002/cta.2212> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **CVD nanocrystalline multilayer graphene coated 3D-printed alumina lattices**

Ramirez, Cristina; **Shamshirgar, Ali Saffar**; Perez-Coll, Domingo; Osendi, Maria Isabel; Miranzo, Pilar; Tewari, Girish C.; Karpinen, Maarit; **Hussainova, Irina**; Belmonte, Manuel Carbon 2023 / p. 36-46 <https://doi.org/10.1016/j.carbon.2022.10.085> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Cyclic loading of TiCN coating by Vickers indentation**

**Saarna, Mart**; **Lind, Liina**; **Peetsalu, Priidu**; **Sergejev, Fjodor** Engineering materials and tribology XXV 2017 / p. 425-429 <https://doi.org/10.4028/www.scientific.net/KEM.721.425> [Conference proceedings at Scopus](#) [Article at Scopus](#)

### **DC integration of residential photovoltaic systems : a survey**

**Abdelrahim Abdelghafour, Omar Mohamed**; **Chub, Andrii**; **Vinnikov, Dmitri**; **Blinov, Andrei** IEEE Access 2022 / p. 66974-66991 <https://doi.org/10.1109/ACCESS.2022.3185788> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **DC-conductivity testing combined with photometry for measuring fibre orientations in SFRC**

**Eik, Marika**; **Löhmus, Karl**; **Tigasson, Martin**; **Listak, Madis**; **Puttonen, Jari**; **Herrmann, Heiko** Journal of materials science 2013 / p. 3745-3759 : ill <https://doi.org/10.1007/s10853-013-7174-3> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Decarburisation effect on hardened strip steel fastening components**

**Jaason, Karli**; **Peetsalu, Priidu**; **Saarna, Mart**; **Kulu, Priit**; Beilmann, Jüri Materials science = Medžiagotyra 2016 / p. 148-152 : ill <https://doi.org/10.5755/j01.ms.22.1.7467> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Decoding the atomic structure of Ga<sub>2</sub>Te<sub>5</sub> pulsed laser deposition films for memory applications using diffraction and first-principles simulations**

Tverjanovich, Andrey; Benmore, Chris J.; Khomenko, Maxim; Sokolov, Anton; Fontanari, Daniele; **Bereznev, Sergei**; Bokova, Maria; Kassem, Mohammad; Bychkov, Eugene Nanomaterials 2023 / art. 2137 <https://doi.org/10.3390/nano13142137> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Dedicated to the memory of Prof. M. Sheinkman effect of ultrasonic treatment on the defect structure of the Si-SiO<sub>2</sub> system**

**Kropman, Daniel**; Dolgov, Sergei; Onufrijevs, Pavels; Dauksta, Edvins Gettering and Defect Engineering in Semiconductor Technology XV 2014 / p. 352-357 : ill <https://doi.org/10.4028/www.scientific.net/SSP.205-206.352> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Conference proceedings at WOS](#) [Article at WOS](#)

### **Defect studies in Cu<sub>2</sub>ZnSnSe<sub>4</sub> and Cu<sub>2</sub>ZnSn(Se<sub>0.75</sub>S<sub>0.25</sub>)<sub>4</sub> by admittance and photoluminescence spectroscopy**

**Kask, Erkki**; **Grossberg, Maarja**; **Josepson, Raavo**; **Salu, Pille**; **Timmo, Kristi**; **Krustok, Jüri** Materials science in semiconductor processing 2013 / p. 992-996 : ill <https://doi.org/10.1016/j.mssp.2013.02.009> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Deformation behavior of metallic lattice structures with symmetrical gradients of porosity manufactured by metal additive manufacturing**

Jagadeesh, B.; Duraiselvam, Muthukannan; **Prashanth, Konda Gokuldoss** Vacuum 2023 / art. 111955 <https://doi.org/10.1016/j.vacuum.2023.111955> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Deformation-burst schemes of 3-piece aerosol containers**

**Ratas, Kaarin**; **Peetsalu, Priidu** Engineering materials & tribology XXII 2014 / p. 55-58 <https://doi.org/10.4028/www.scientific.net/KEM.604.55> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Conference proceedings at WOS](#) [Article at WOS](#)

### **Degradation of 600-V 4H-SiC Schottky diodes under irradiation with 0.9 MeV electrons**

Lebedev, Alexander A.; Davidovskaja, Klavdia; Kozlovski, Vitali V.; **Korolkov, Oleg**; **Sleptšuk, Natalja**; **Toompuu, Jana** Silicon Carbide and Related Materials 2016 : selected, peer reviewed papers from the 11th European Conference on Silicon Carbide and Related Materials 2016 (ECSCRM 2016), September 25-29, 2016, Halkidiki, Greece 2017 / p. 447-450 : ill <https://doi.org/10.4028/www.scientific.net/MSF.897.447> [Conference proceedings at Scopus](#) [Article at Scopus](#)

### **Degradation of aqueous alachlor in pulsed corona discharge**

**Bolobajev, Juri**; **Gornov, Daniil**; Kornev, Iakov; **Preis, Sergei** Journal of electrostatics 2021 / art. 103543 <https://doi.org/10.1016/j.elstat.2020.103543> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Dehydration of AlPO<sub>4</sub>-34 studied by variable-temperature NMR, XRD and first-principles calculations**

Varlec, Jure; Krajnc, Andraž; **Vanatalu, Kalju**; **Oss, Andres**; **Samoson, Ago** New journal of chemistry 2016 / p. 4178-4186 : ill <https://doi.org/10.1039/c5nj02838h> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Densification and characterization of spark plasma sintered ZrC–ZrO<sub>2</sub> composites**

**Hussainova, Irina**; **Voltšihhin, Nikolai**; Cura, M. Erkin; Hannula, Simo-Pekka Materials science and engineering : A - structural materials: properties, microstructure and processing 2014 / p. 75-81 : ill <https://doi.org/10.1016/j.msea.2013.12.058> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Densification of the eggshell powder by spark plasma sintering**

**Shukla, Riddhi Hirenkumar**; Sokkalingam, Rathinavelu; **Prashanth, Konda Gokuldoss** Journal of alloys and compounds 2023 / art. 171079 <https://doi.org/10.1016/j.jallcom.2023.171079> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Dependence of wear of Cu-Cr-S alloy on hardness and electrical conductivity in sliding electrical contact**

**Kommel, Lembit**; **Baroninš, Janis** Materials Engineering 2017 : selected, peer reviewed papers from the 26th International Baltic Conference on Materials Engineering 2017, October 26-27, Kaunas, Lithuania 2017 / p. 229-233 : ill <https://doi.org/10.4028/www.scientific.net/SSP.267.229> [Conference proceedings at Scopus](#) [Article at Scopus](#)

### **Dependence of the carrier removal rate in 4H-SiC PN structures on irradiation temperature**

Lebedev, Alexander A.; Davydovskaya, Klavdia S.; Kozlovski, Vitali V.; **Korolkov, Oleg**; **Sleptšuk, Natalja**; **Toompuu, Jana** Silicon Carbide and Related Materials 2018 : 12th European Conference on Silicon Carbide and Related Materials (ECSCRM 2018) : Selected, peer reviewed papers from the European Conference on Silicon Carbide and Related Materials (ECSCRM 2018), September 2-6, 2018, Birmingham, UK 2019 / p. 730-733 <https://doi.org/10.4028/www.scientific.net/MSF.963.730> [Conference proceeding at Scopus](#) [Article at Scopus](#)

### **Deposition of iron oxide nanoparticles on mesoporous alumina network by wet-combustion technology**

**Kamboj, Nikhil Kumar**; **Saffarshamshirgar, Ali**; Shirshneva-Vaschenko, Elena; **Hussainova, Irina** Materials chemistry and physics 2019 / p. 340-346 : ill <https://doi.org/10.1016/j.matchemphys.2018.12.095> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal](#)

**Deposition of p-type NiO films by chemical spray pyrolysis**

**Krunks, Malle; Soon, Jaanika; Unt, Tarmo; Mere, Arvo; Mikli, Valdek** Vacuum 2014 / p. 242-246 : ill

<https://doi.org/10.1016/j.vacuum.2014.02.013> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Design and manufacturing of variable angle tow laminate**

**Haavajõe, Anti; Mikola, Madis; Pohlak, Meelis** Engineering materials and tribology : selected, peer reviewed papers from the 24th International Baltic Conference on Engineering Materials & Tribology (BALTMATRIB & IFHTSE 2015), November 5-6, 2015, Tallinn, Estonia 2016 / p. 59-64 : ill <https://doi.org/10.4028/www.scientific.net/KEM.674.59> [Conference Proceedings at Scopus](#) [Article at Scopus](#)

**Design and optimization of AlN based RF MEMS switches**

**Ziko, Mehadi Hasan; Koel, Ants** IOP conference series : materials science and engineering 2018 / 012002 ; 9 p.: ill

<https://doi.org/10.1088/1757-899X/362/1/012002> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

**Design and performance of laser additively manufactured core induction motor**

**Tiismus, Hans; Kallaste, Ants; Naseer, Muhammad Usman; Vaimann, Toomas; Rassõlkin, Anton** IEEE Access 2022 / p.

50137-50152 <https://doi.org/10.1109/ACCESS.2022.3173317> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#)

[Article at WOS](#)

**Design and simulation of the robust ABS and ESP fuzzy logic controller on the complex braking maneuvers**

**Aksjonov, Andrei; Augsburg, Klaus; Vodovozov, Valery** Applied sciences 2016 / p. 1-18 : ill <https://doi.org/10.3390/app6120382>

[Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Design of High Volume CFBC Fly Ash Based Calcium Sulphoaluminate Type Binder in Mixtures with Ordinary Portland Cement**

**Paaver, Peeter; Järvik, Oliver; Kirsimäe, Kalle** Materials 2021 / art. 5798 <https://doi.org/10.3390/ma14195798> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

[Article at WOS](#)

**Design of performance characteristics on laser treated denim fabric**

**Mandre, Nele; Plamus, Tiia; Linder, Angelika; Varjas, Toivo; Majak, Jüri; Krumme, Andres** The materials science =

Medžiagotyra 2023 / 10 p. : ill <https://doi.org/10.5755/j02.ms.33259> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#)

[Article at WOS](#)

**Design of sustainable ionic liquids based on l-phenylalanine and l-alanine dipeptides : synthesis, toxicity and biodegradation studies**

**Kapitanov, Illia; Raba, Grete; Špulak, Marcel; Vilu, Raivo; Karpichev, Yevgen; Gathergood, Nicholas** Journal of Molecular

Liquids 2023 / art. 121285 <https://doi.org/10.1016/j.molliq.2023.121285> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

[Article at WOS](#)

**Detailed insight into the CZTS/CdS interface modification by air annealing in monograin layer solar cells**

**Kauk-Kuusik, Marit; Timmo, Kristi; Muska, Katri; Pilvet, Maris; Krustok, Jüri; Josepson, Raavo; Brammertz, Guy; Vermang,**

**Bart; Danilson, Mati; Grossberg, Maarja** ACS Applied Energy Materials 2021 / p. 12374-12382

<https://doi.org/10.1021/acsaem.1c02186> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Detection of pulmonary micronodules in computed tomography images and false positive reduction using 3D convolutional neural networks**

**Gupta, Anindya; Saar, Tõnis; Märten, Olev; Le Moullec, Yannick; Sintorn, Ida-Maria** International Journal of Imaging Systems and

Technology 2019 / p. 327-339 : ill <https://doi.org/10.1002/ima.22373> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

[Article at WOS](#)

**Determination of core losses using an inverse modeling technique**

**Osemwinyen, Osaruyi; Hemeida, Ahmed; Ghahfarokhi, Payam Shams; Belahcen, Anouar** IEEE Access 2022 / p. 29224-29232

<https://doi.org/10.1109/ACCESS.2022.3158365> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Determination of e/h ratio by optical measurements**

**Kübarsepp, Toomas; Tamre, Mart; Gran, Jarle; Monakhov, Edouard; Merimaa, M.; Werner, Lutz; Rastello, Maria Luisa** 29th

Conference on Precision Electromagnetic Measurements, DIGEST, Rio de Janeiro, Brazil, August 24-29, 2014 2014 / p. 236-237

<https://doi.org/10.1109/CPEM.2014.6898346> [Conference proceedings at Scopus](#) [Article at Scopus](#)

**Determination of resistance to wear of particulate composite**

**Aruniit, Aare; Antonov, Maksim; Kers, Jaan; Krumme, Andres** Engineering materials & tribology XXII 2014 / p. 188-191

<https://doi.org/10.4028/www.scientific.net/KEM.604.188> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Conference proceedings at WOS](#) [Article at WOS](#)

[Article at WOS](#)

**Determination of vaporization properties and volatile hazardous components relevant to kukersite oil shale derived fuel**

#### oil handling

**Traumann, Ada; Tint, Piia; Järvi, Oliver; Oja, Vahur** Materials science = Medžiagotyra 2014 / p. 351-356 : ill

<https://doi.org/10.5755/j01.ms.20.3.4549> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### Determining sea surface heights using small footprint airborne laser scanning

**Gruno, Anti; Liibus, Aive; Ellmann, Artu** Remote Sensing of the Ocean, Sea Ice, Coastal Waters, and Large Water Regions 2013 :

24 September 2013, Dresden, Germany 2013 / p. 88880R-1-88880R-13 : ill <https://doi.org/10.1117/12.2029189> [Conference](#)

[Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

#### Development of anti-lock braking system (ABS) for vehicles braking

**Vu, Trieu Minh; Oamen, Godwin; Vassiljeva, Kristina; Teder, Leo** Open engineering 2016 / p. 554-559 : ill

<https://doi.org/10.1515/eng-2016-0078> [Journal metrics at Scopus](#) [Article at Scopus](#)

#### Development of Bi2S3 thin film solar cells by close-spaced sublimation and analysis of absorber bulk defects via in-depth photoluminescence analysis

**Koltsov, Mykhailo; Gopi, Sajeesh Vadakkedath; Raadik, Taavi; Krustok, Jüri; Josepson, Raavo; Gržibovskis, Raitis; Vembris, Aivars; Spalatu, Nicolae** Solar energy materials and solar cells 2023 / art. 112292 <https://doi.org/10.1016/j.solmat.2023.112292> [Journal](#)

[metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### Development of Cu-based shape memory alloy through selective laser melting from elemental powder mixture: Processing and characterization

**Singh, Shalini; Palani, I. A.; Dehghi, Shirin; Qureshi, A. J.; Jinoop, A. N.; Paul, C. P.; Prashanth, Konda Gokuldoss** Journal of

alloys and compounds 2023 / art. 171029 <https://doi.org/10.1016/j.jallcom.2023.171029> [Journal metrics at Scopus](#) [Article at Scopus](#)

[Journal metrics at WOS](#) [Article at WOS](#)

#### Development of key performance selection index model

**Kaganski, Sergei; Toompalu, Silver** Journal of achievements in materials and manufacturing engineering 2017 / p. 33-40 : ill

<https://doi.org/10.5604/01.3001.0010.2077> [Journal metrics at Scopus](#) [Article at Scopus](#)

#### Development of testing method for smart substations with prosumers

**Korötko, Tarmo; Merisalu, Ülo; Mägi, Marek; Peterson, Kristjan; Pettai, Elmo** Journal of microelectronics, electronic components

and materials 2014 / p. 185-200 : ill <https://www.dlib.si/details/URN:NBN:SI:doc-N5PGZIFC> [Journal metrics at Scopus](#) [Article at Scopus](#)

[Journal metrics at WOS](#) [Article at WOS](#)

#### Development of the method for calculation of plates to ensure optimization of hull thickness

**Gornostajev, Dmitri; Arjassov, Gennadi; Žigailov, Sergei** Mechatronic systems and materials VI 2015 / p. 796-801 : ill

<https://doi.org/10.4028/www.scientific.net/SSP.220-221.796> [Conference proceedings at Scopus](#) [Article at Scopus](#)

#### Development of Young's modulus of illitic clay during heating up to 1100 °C

**Hulan, Tomaš; Trnik, Anton; Štubna, Igor; Bačik, Peter; Kaljuvee, Tiit; Vozar, Libor** Medžiagotyra = Materials science 2015 / p. 429-

434 : ill <https://doi.org/10.5755/j01.ms.21.3.7152> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### Developments in analytical chemistry initiated from green chemistry

**Koel, Mihkel** Sustainable Chemistry for the Environment 2024 / art.100078 <https://doi.org/10.1016/j.scenv.2024.100078> [Journal metrics](#)

[at Scopus](#) [Article at Scopus](#)

#### Dielectric relaxation and conduction mechanisms in sprayed TiO2 thin films as a function of the annealing temperature

**Juma, Albert Owino; Oja Acik, Ilona; Mere, Arvo; Krunk, Malle** Applied physics. A, Materials science & processing 2016 / art.

359, p. 1-6 : ill <https://doi.org/10.1007/s00339-016-9874-4> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at](#)

[WOS](#)

#### Direct CVD growth of multi-layered graphene closed shells around alumina nanofibers

**Ivanov, Roman; Mikli, Valdek; Kübarsepp, Jakob; Hussainova, Irina** Engineering materials and tribology : selected, peer

reviewed papers from the 24th International Baltic Conference on Engineering Materials & Tribology (BALTMATRIB & IFHTSE

2015), November 5-6, 2015, Tallinn, Estonia 2016 / p. 77-80 : ill <https://doi.org/10.4028/www.scientific.net/KEM.674.77> [Conference](#)

[Proceedings at Scopus](#) [Article at Scopus](#)

#### Directional conductivity in layered alumina

**Hussainova, Irina; Saffarshamshirgar, Ali; Ivanov, Roman; Volobujeva, Olga; Romanov, Alexey; Gasik, Michael** Current applied

physics 2022 / p. 68-73 : ill <https://doi.org/10.1016/j.cap.2020.06.009> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at](#)

[WOS](#) [Article at WOS](#)

#### Directly electrospun electrodes for electrical double-layer capacitors from carbide-derived carbon

**Malmberg, Siret; Arulepp, Mati; Savest, Natalja; Tarasova, Elvira; Vassiljeva, Viktoria; Krasnou, Illia; Käär, Maike; Mikli,**

**Valdek; Krumme, Andres** Journal of electrostatics 2020 / art. 103396, 7 p. : ill <https://doi.org/10.1016/j.elstat.2019.103396> [Journal](#)

[metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### Discrete breathers above phonon spectrum

Hižnjakov, Vladimir; Haas, Mati; **Klopov, Mihail**; Šelkan, Aleksander Letters on Materials 2016 / p. 61-72

<https://doi.org/10.22226/2410-3535-2016-1-61-72> [Journal metrics at Scopus](#) [Article at Scopus](#)

### Disordered lithium-rich oxyfluoride as a stable host for enhanced Li<sup>+</sup> intercalation storage

Chen, Ruiyong; Ren, Shuhua; Knapp, Michael; Wang, Di; **Witter, Raiker**; Fichtner, Maximilian; Hahn, Horst Advanced energy

materials 2015 / p. 1-7 : ill <https://doi.org/10.1002/aenm.201401814> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### Dispersive elastic waves

**Berezovski, Arkadi**; Ván, Peter Internal variables in thermoelasticity 2017 / p. 85-98 [https://doi.org/10.1007/978-3-319-56934-5\\_6](https://doi.org/10.1007/978-3-319-56934-5_6)

[Article collection metrics at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

### Dispersive waves in microstructured solids

**Berezovski, Arkadi**; Engelbrecht, Jüri; Salupere, Andrus; Tamm, Kert; Peets, Tanel; **Berezovski, Mihail** International journal

of solids and structures 2013 / p. 1981-1990 : ill <https://doi.org/10.1016/j.ijsolstr.2013.02.018> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### Dissimilar welding of Al0.1CoCrFeNi high-entropy alloy and AISI304 stainless steel

Sokkalingam, Rathinavelu; Muthupandi, Veerappan; Sivaprasad, Katakam; **Prashanth, Konda Gokuldoss** Journal of materials

research and technology 2019 / p. 2683-2694 : ill <https://doi.org/10.1557/jmr.2019.186> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### Dissimilar welding of high-entropy alloy to Inconel 718 superalloy for structural applications

Sokkalingam, Rathinavelu; Pravallika, B; Sivaprasad, Katakam; Muthupandi, Veerappan; **Prashanth, Konda Gokuldoss** Journal of

materials research 2022 / p. 272-283 <https://doi.org/10.1557/s43578-021-00352-w> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### Distributed fusion and automated sensor tasking in ISR systems

**Preden, Jürjo-Sören**; Pahtma, Raido; Astapov, Sergei; Ehala, Johannes; Riid, Andri; Mõtus, Leo Ground/air multisensor

interoperability, integration, and networking for persistent ISR V 2014 / p. 90790M-1 - 90790M-10 : ill <https://doi.org/10.1117/12.2054731> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

### A DRL strategy for optimal resource allocation along with 3D trajectory dynamics in UAV-MEC network

Khurshid, Tayyaba; Ahmed, Waqas; Rehan, Muhammad; Ahmad, Rizwan; **Alam, Muhammad Mahtab**; Radwan, Ayman IEEE

Access 2023 / p. 54664 - 54678 <https://doi.org/10.1109/ACCESS.2023.3278591> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### Dual internal variables

**Berezovski, Arkadi**; Ván, Peter Internal variables in thermoelasticity 2017 / p. 59-72 [https://doi.org/10.1007/978-3-319-56934-5\\_4](https://doi.org/10.1007/978-3-319-56934-5_4)

[Article collection metrics at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

### Dynamic chiral cyclohexanohemicucurbit[12]uril

**Mishra, Kamini Atindrakumar**; Adamson, Jasper; Öeren, Mario; Kaabel, Sandra; Fomitšenko, Maria; Aav, Riina Chemical

communications 2020 / p. 14645-14648 <https://doi.org/10.1039/D0CC06817A> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### Dynamic modeling of networks, microgrids, and renewable sources in the dq0 reference frame : a survey

Baimel, Dmitry; **Belikov, Juri**; Guerrero, Joseph M.; Levron, Yoash IEEE Access 2017 / p. 21323-21335 : ill

<https://doi.org/10.1109/ACCESS.2017.2758523> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### Dynamics of discontinuities in elastic solids

**Berezovski, Arkadi**; Berezovski, Mihail Mathematics and mechanics of solids 2020 / p. 1416-1428

<https://doi.org/10.1177/1081286517718603> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### Early experimental investigations on slotted-in steel plate connections with self-perforating dowels in CLT

**Tuhkanen, Eero**; Ojamaa, Martin Wood material science and engineering Wood material science & engineering 2021 / p. 102-109

: ill <https://doi.org/10.1080/17480272.2019.1626482> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### Easy to use empirical model for green vegetation reflection spectrum in VIS-NIR range

**Udal, Andres**; Jürise, Martin; Kaugerand, Jaanus; Sell, Raivo SPIE digital library 2020 / art. 115240H-1-14

<https://doi.org/10.1117/12.2570820> [Conference proceeding](#) [Article at Scopus](#) [Article at WOS](#)

### Economic aspects of mechanical pre-treatment's role in precious metals recovery from electronic waste

Blumbergs, Ervins; Shishkin, Andrei; Markus, Karlis; Serga, Vera; **Goljandin, Dmitri**; Klauson, Artur; Abramovskis, Vitalijs;

Baroninš, Janis; Zarkov, Aleksej; Pankratov, Vladimir Metals 2024 / art. 95 <https://doi.org/10.3390/met14010095> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**ECS an endeavor towards providing similar cache reliability behavior in different programs**

Ahmadilivani, Mohammad Hasan; Jahromi, Mohammad Moeini; Salehi, Mostafa E.; Kargar, Mona Microelectronics Reliability 2024 / art. 115295 <https://doi.org/10.1016/j.microrel.2023.115295> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Editorial : Fundamentals and challenges of advanced amorphous and high-entropy alloys**

Song, Kaikai; Huang, Yongjiang; Li, Ran; Qiao, Jichao; Wang, Zhi; Prashanth, Konda Gokuldoss; Söpu, Daniel Frontiers in materials 2022 / art. 874556, 3 p. : ill <https://doi.org/10.3389/fmats.2022.874556> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Educating the energy informatics specialist : opportunities and challenges in light of research and industrial trends**

Bordin, Chiara; Mishra, Sambeet; Safari, Amir; Eliassen, Frank SN Applied Sciences 2021 / art. 674 <https://doi.org/10.1007/s42452-021-04610-8> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Effect of absorber surface modification on the optoelectronic properties of Cu<sub>2</sub>CdGeSe<sub>4</sub> solar cells**

Li, Xiaofeng; Pilvet, Maris; Timmo, Kristi; Grossberg, Maarja; Danilson, Mati; Mikli, Valdek; Kauk-Kuusik, Marit Thin solid films 2020 / art. 137822, 7 p. : ill <https://doi.org/10.1016/j.tsf.2020.137822> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Effect of alloying additives on impact-abrasive wear of manual arc welded hadfield steel hardfacings**

Jankauskas, Vytenis; Antonov, Maksim; Katinas, Egidijus; Gedzevicius, I. Journal of friction and wear 2016 / p. 170-178 : ill <https://doi.org/10.3103/S1068366616020185> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Effect of annealing temperature of brownish-red pigment based on iron oxide extracted by hydrothermal route from mill-scale steel slag**

Eticha, Zekarias G.; Rojas Hernandez, Rocio Estefania; Hussainova, Irina Journal of Sustainable Metallurgy 2022 / p. 218-227 <https://doi.org/10.1007/s40831-021-00470-z> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Effect of atomic layer deposited aluminium oxide on mechanical properties of porous silicon carbide**

Jõgiaas, Taivo; Kollo, Lauri; Kozlova, Jekaterina; Tamm, Aile; Hussainova, Irina; Kukli, Kaupo Ceramics international 2015 / p. 7519-7528 : ill <https://doi.org/10.1016/j.ceramint.2015.02.074> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Effect of atomic oxygen irradiation on the structural and tribological properties of the MoS<sub>2</sub>/Al<sub>2</sub>O<sub>3</sub>/PI composites**

Zhao, Gai; Wang, Qihua; Hussainova, Irina; Ding, Qingjun Engineering materials and tribology : selected, peer reviewed papers from the 24th International Baltic Conference on Engineering Materials & Tribology (BALTMATRIB & IFHTSE 2015), November 5-6, 2015, Tallinn, Estonia 2016 / p. 239-243 : ill <https://doi.org/10.4028/www.scientific.net/KEM.674.239> [Conference Proceedings at Scopus](#) [Article at Scopus](#)

**Effect of basalt reinforcement type and content on the abrasive wear behaviour of polymer composites**

Antonov, Maksim; Kers, Jaan; Liibert, Laura; Shuliak, Volodymyr; Smirnov, Anton; Bartolome, Jose F. Engineering materials and tribology : selected, peer reviewed papers from the 24th International Baltic Conference on Engineering Materials & Tribology (BALTMATRIB & IFHTSE 2015), November 5-6, 2015, Tallinn, Estonia 2016 / p. 181-188 : ill <https://doi.org/10.4028/www.scientific.net/KEM.674.181> [Conference Proceedings at Scopus](#) [Article at Scopus](#)

**Effect of carbon stabilizing elements on WC cemented carbides with chromium steel binder**

Tarraste, Marek; Kübarsepp, Jakob; Juhani, Kristjan; Mere, Arvo; Viljus, Mart Materials science = Medžiagotyra 2019 / p. 202-206 : ill <https://doi.org/10.5755/j01.ms.25.2.19619> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Effect of cBN content and additives on sliding and surface fatigue wear of spark plasma sintered Al<sub>2</sub>O<sub>3</sub>-cBN composites**

Kumar, Rahul, 1993-; Antonov, Maksim; Klimczyk, Piotr; Mikli, Valdek; Gomon, Dmitri Wear 2022 / art. 204250 <https://doi.org/10.1016/j.wear.2022.204250> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Effect of CdCl<sub>2</sub> annealing treatment on structural and optoelectronic properties of close spaced sublimation CdTe/CdS thin film solar cells vs deposition conditions**

Spalatu, Nicolae; Hiie, Jaan; Mikli, Valdek; Krunk, Malle; Valdna, Vello; Maticiu, Natalia; Raadik, Taavi; Caraman, Mihail Thin solid films 2015 / p. 128-133 : ill <http://dx.doi.org/10.1016/j.tsf.2014.11.066> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Effect of ceramic reinforcement on the microstructural, mechanical and tribological behavior of Al-Cu alloy metal matrix composite**

Aktar Zahid Sohag, Md; Gupta, Pallav; Kondal, Neha; Kumar, Devendra; Singh, Neera; Jamwal, Anbesh Materials today: proceedings 2020 / p. 1407-1411 <https://doi.org/10.1016/j.matpr.2019.08.179> [Conference Proceedings at Scopus](#) [Article at Scopus](#)

**Effect of distributed photovoltaic generation on the voltage magnitude in a self-contained power supply system**

Lukutin, Boris V.; Shandarova, Elena B.; Makarova, A.F.; Švartsman, Inna International Scientific and Practical Conference on Urgent Problems of Modern Mechanical Engineering 17–18 December 2015, Yurga, Russia 2016 / art. 012005  
<https://doi.org/10.1088/1757-899X/127/1/012005> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

**Effect of electrode covering composition on the microstructure, wear, and economic feasibility of Fe-C-Cr manual arc-welded hardfacings**

Jankauskas, Vytenis; Katinas, Egidijus; Laskauskas, Arturas; Antonov, Maksim; Varnauskas, Valentinas; Gedzevičius, Irmantas; Aleknevičiene, Vilija Coatings 2020 / art. 294, 19 p. : ill <https://doi.org/10.3390/coatings10030294> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Effect of electrolyte composition on the surface characteristics of plasma electrolytic oxidation coatings over Ti40Nb alloy**

Lokeshkumar, E.; Premchand, C.; Palanivel, Manojkumar; Shishir, R.; Krishna, L. Rama; Prashanth, Konda Gokuldoss; Rameshbabu, Nagumothu Surface and coatings technology 2023 / art. 129591 <https://doi.org/10.1016/j.surfcoat.2023.129591> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Effect of erodent particle impact energy on wear of cemented carbides**

Antonov, Maksim; Yung, Der-Liang; Goljandin, Dmitri; Mikli, Valdek; Hussainova, Irina Wear 2017 / p. 507-515 : ill <https://doi.org/10.1016/j.wear.2016.11.032> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Effect of FeNiCrBSiC-MeB<sub>2</sub> material composition on the oxidation behavior at high temperatures**

Umanskyi, Oleksandr; Storozhenko, Maryna; Koshelev, M.; Antonov, Maksim Powder metallurgy and metal ceramics 2019 / p. 670-678 : ill <https://doi.org/10.1007/s11106-019-00030-x> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Effect of fly-ash cenospheres on properties of clay-ceramic syntactic foams**

Rugele, Kristine; Lehmkus, Dirk; Hussainova, Irina; Peculevica, Julite; Lisnanskis, Marks; Shishkin, Andrei Materials 2017 / art. 828, p. 1-17 : ill <https://doi.org/10.3390/ma10070828> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Effect of germanium incorporation on the properties of kesterite Cu<sub>2</sub>ZnSn(S,Se)<sub>4</sub> monograins**

Oueslati, Souhaib; Grossberg, Maarja; Kauk-Kuusik, Marit; Mikli, Valdek; Ernits, Kaia; Meissner, Dieter; Krustok, Jüri Thin solid films 2019 / p. 315–320 : ill <https://doi.org/10.1016/j.tsf.2018.11.020> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Effect of grain growth inhibitors VC/Cr<sub>3</sub>C<sub>2</sub> on WC-ZrO<sub>2</sub>-Ni composite mechanics**

Yung, Der-Liang; Dong, Minjie; Hussainova, Irina Engineering materials & tribology XXII 2014 / p. 106-109  
<https://doi.org/10.4028/www.scientific.net/KEM.604.106> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Conference proceedings at WOS](#) [Article at WOS](#)

**Effect of graphene nanoplatelet content on mechanical and elevated-temperature tribological performance of self-lubricating ZE10 magnesium alloy nanocomposites**

Kandemir, Sinan; Yöyler, Sibel; Kumar, Rahul, 1993-; Antonov, Maksim; Dieringa, Hajo Lubricants 2024 / art. 52  
<https://doi.org/10.3390/lubricants12020052> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Effect of green co-solvents on properties and synthesis of cellulose esters in superbase ionic liquid**

Tarasova, Elvira; Savale, Nutan Bharat; Trifonova, Lada; Krasnou, Illia; Reile, Indrek; Kudrjašova, Marina; Mere, Arvo; Kaljuvee, Tiit; Mikli, Valdek; Sedrik, Rauno; Krumme, Andres Cellulose 2024 / p. 4911-4927 <https://doi.org/10.1007/s10570-024-05920-x> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Effect of hard cyclic viscoplastic deformation on the microstructure, mechanical properties, and electrical conductivity of Cu-Cr alloy**

Kommel, Lembit; Huot, Jacques; Omranpour Shahreza, Babak Journal of Materials Engineering and Performance 2022 / p. 9690-9702 <https://doi.org/10.1007/s11665-022-06997-w> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**The effect of heat treatment on the morphology and mobility of Au nanoparticles**

Oras, Sven; Vlassov, Sergei; Vigonski, Simon; Polyakov, Boris; Antsov, Mikko; Zadin, Vahur; Löhmus, Rünno; Mougin, Karine Beilstein Journal of Nanotechnology 2020 / p. 61-67 <https://doi.org/10.3762/bjnano.11.6> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Effect of heat treatment on the phase transformation and magnetic properties of BPSCCO/LPMO composites**

Staneva, Anna; Blagoev, Blagoy; Mikli, Valdek Journal of alloys and compounds 2014 / p. 223-228 : ill  
<https://doi.org/10.1016/j.jallcom.2013.07.185> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Effect of hemp fiber surface treatment on the moisture/water resistance and reaction to fire of reinforced PLA composites**

Alao, Percy Festus; Marrot, Laetitia; **Kallakas, Heikko; Just, Alar; Poltimäe, Triinu; Kers, Jaan** Materials 2021 / art. 4332, 17 p. : ill <https://doi.org/10.3390/ma14154332> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Effect of hot dip galvanizing on the mechanical properties of high strength steels**

**Sepper, Sirli; Peetsalu, Priidu; Saarna, Mart; Mikli, Valdek; Kulu, Priit** Engineering materials & tribology XXII 2014 / p. 12-15 : ill <https://doi.org/10.4028/www.scientific.net/KEM.604.12> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Conference proceedings at WOS](#) [Article at WOS](#)

#### **Effect of interlayer delay on the microstructure and mechanical properties of wire arc additive manufactured wall structures**

Singh, Shalini; Jinoop, Arackal Narayanan; Tarun Kumar, Gorlea Thrinadh Ananthvenkata; Palani, Iyamperumal Anand; Paul, Christopher R. C.; **Prashanth, Konda Gokuldoss** Materials 2021 / art. 4187, 13 p. : ill <https://doi.org/10.3390/ma14154187> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **The effect of ionic liquids on the conductivity of electrospun polyacrylonitrile membranes**

**Savest, Natalja; Plamus, Tiia; Tarasova, Elvira; Viirsalu, Mihkel; Krasnou, Illia; Gudkova, Viktoria; Küppar, Kadi-Anne; Krumme, Andres** Journal of electrostatics 2016 / p. 63-68 : ill <https://doi.org/10.1016/j.elstat.2016.07.006> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **The effect of ionic liquids on the mechanical properties of electrospun polyacrylonitrile membranes**

**Plamus, Tiia; Savest, Natalja; Viirsalu, Mihkel; Harz, Patrick; Tarasova, Elvira; Krasnou, Illia; Vassiljeva, Viktoria; Kallavus, Urve; Krumme, Andres** Polymer testing 2018 / p. 335-343 : ill <https://doi.org/10.1016/j.polymertesting.2018.09.003> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Effect of laser heat treatment on AlTi1-xN-based PVD coatings, deposited on carbon and tool steel substrates**

**Surženkov, Andrei; Viljus, Mart; Antonov, Maksim; Kübarsepp, Jakob; Juhani, Kristjan; Kulu, Priit; Vagiström, Heinar; Jankauskas, Vytenis; Leišys, Rimtautas; Bendikiene, Regita; Adoberg, Eron; Peetsalu, Priidu; Mere, Arvo; Gregor, Andre** Surface and coatings technology 2022 / art. 128771 <https://doi.org/10.1016/j.surfcoat.2022.128771> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Effect of lattice surface treatment on performance of hardmetal - titanium interpenetrating phase composites**

**Holovenko, Yaroslav; Kollo, Lauri; Saarna, Mart; Rahmani Ahranjani, Ramin; Soloviova, Tetiana; Antonov, Maksim; Prashanth, Konda Gokuldoss; Cygan, Slawomir; Veinthal, Renno** International journal of refractory metals and hard materials 2020 / art. 105087, 10 p. : ill <https://doi.org/10.1016/j.ijrmhm.2019.105087> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Effect of loading system inertia on tribological behaviour of ceramic–ceramic, ceramic–metal and metal–metal dry sliding contacts**

**Antonov, Maksim; Hussainova, Irina; Adoberg, Eron** Tribology international 2013 / p. 207-214 : ill <https://doi.org/10.1016/j.triboint.2013.03.025> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Effect of Local Remelting and Recycled WC-Co Composite Reinforcement Size on Abrasive and Erosive Wear of Manual Arc Welded Hardfacings**

Katinas, Egidijus; **Antonov, Maksim**; Jankauskas, Vytenis; **Goljandin, Dmitri** Coatings 2023 / art. 734 <https://doi.org/10.3390/coatings13040734> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Effect of Magnetic Forces and Magnetostriction on the Stator Vibrations of a Bearingless Synchronous Reluctance Motor**

Mukherjee, Victor; Rasilo, Paavo; Martin, Florian; **Belahcen, Anouar** IEEE transactions on magnetics 2019 / 4 p. : ill <https://doi.org/10.1109/TMAG.2019.2894739> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Effect of milling time on dual-nanoparticulate-reinforced aluminum alloy matrix composite materials**

Kwon, Hansang; **Saarna, Mart**; Yoon, Songhak; Weidenkaff, Anke; Leparoux, Marc Materials science and engineering : A 2014 / p. 338-345 <https://doi.org/10.1016/j.msea.2013.10.046> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Effect of nanoparticles on morphology and size of primary silicon and property of selective laser melted Al-high Si content alloys**

Xi, Lixia; Guo, Shuang; **Prashanth, Konda Gokuldoss; Sarac, Baran; Eckert, Jürgen** Vacuum 2021 / art. 110405 <https://doi.org/10.1016/j.vacuum.2021.110405> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Effect of NiCoFeAlTi high entropy intermetallic reinforcement particle size on the microstructure and mechanical properties of CoCrFeMnNi high-entropy alloy composites fabricated by selective laser melting**

Zhang, Zhiyu; Ma, Pan; Fang, Yacheng; Yang, Zhilu; Zhang, Nan; **Prashanth, Konda Gokuldoss**; Jia, Yandong Journal of alloys and compounds 2023 / art. 169417 <https://doi.org/10.1016/j.jallcom.2023.169417> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Effect of oxidation on erosive wear behaviour of boiler steels**

**Antonov, Maksim; Veinthal, Renno;** Huttunen-Saarivirta, E.; **Hussainova, Irina; Vallikivi, Ahto;** Lelis, Martynas; **Priss, Jelena** Tribology international 2013 / p. 35-44 : ill <https://doi.org/10.1016/j.triboint.2012.09.011> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Effect of oxidation on sliding wear behavior of NiCrSiB-TiB<sub>2</sub> plasma sprayed coatings**

Umanskii, A.; **Hussainova, Irina;** Storozhenko, M.; Terentyev, O.; **Antonov, Maksim** Engineering materials & tribology XXII 2014 / p. 16-19 <https://doi.org/10.4028/www.scientific.net/KEM.604.16> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

**Effect of powder bed preheating on the crack formation and microstructure in ceramic matrix composites fabricated by laser powder-bed fusion process**

**Maurya, Himanshu Singh;** Kosiba, Konrad; **Juhani, Kristjan; Sergejev, Fjodor; Prashanth, Konda Gokuldoss** Additive manufacturing 2022 / art. 103013, 13 p. : ill <https://doi.org/10.1016/j.addma.2022.103013> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Effect of powder characteristic and aging treatment on the corrosion behavior of selective laser melted Al-20Si alloy**

Ma, Pan; Zhang, Zhiyu; Ke, Yu; Yang, Shuhao; Deng, Kun; Cheng, Peng; Chen, Hongdian; **Prashanth, Konda Gokuldoss** Transactions of the Indian Institute of Metals 2022 / p. 2367-2377 <https://doi.org/10.1007/s12666-022-02548-y> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Effect of preheating and cooling of the powder bed by laser pulse shaping on the microstructure of the TiC based cermets**

**Maurya, Himanshu Singh; Kollo, Lauri; Juhani, Kristjan; Sergejev, Fjodor; Prashanth, Konda Gokuldoss** Ceramics international 2022 / p. 20612-20618 <https://doi.org/10.1016/j.ceramint.2022.04.029> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**The effect of prestressing and temperature on tensile strength of basalt fiber-reinforced plywood**

Lõhmus, Rünno; **Kallakas, Heikko; Tuhkanen, Eero;** Gulik, Volodymyr; Kiisk, Madis; Saal, Kristjan; **Kalamees, Targo** Materials 2021 / art. 4701, 9 p. : ill <https://doi.org/10.3390/ma14164701> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Effect of process parameters on the properties of  $\beta$ -Ti-Nb-based alloys fabricated by selective laser melting: A review**

**Subramanian, Shangavi; Mohanty, Shalini; Prashanth, Konda Gokuldoss** Materials today: proceedings 2023 <https://doi.org/10.1016/j.matpr.2023.03.461> [Journal metrics at Scopus](#) [Article at Scopus](#)

**Effect of pulsed deuterium plasma irradiation on dual-phase tungsten high-entropy alloys**

Tökke, Siim; Laas, Tõnu; Priimets, Jaanis; **Tarraste, Marek; Mikli, Valdek; Antonov, Maksim** Fusion engineering and design 2022 / 11 p. : ill <https://doi.org/10.1016/j.fusengdes.2022.113260> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Effect of punching the electrical sheets on optimal design of a permanent magnet synchronous motor**

Martin, Florian; Aydin, Ugur; Sundaria, Ravi; Rasilo, Paavo; **Belahcen, Anouar;** Arkkio, Antero IEEE Transactions on Magnetics 2018 / art. 8102004 <https://doi.org/10.1109/TMAG.2017.2768399> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Effect of scanning strategy on microstructure and texture evolution in a selective laser melted Al-33Cu eutectic alloy**

Vikram, R. J.; Gokulnath, S. A.; **Prashanth, Konda Gokuldoss;** Suwas, Satyam Journal of alloys and compounds 2023 / art. 168098, 10 p. : ill <https://doi.org/10.1016/j.jallcom.2022.168098> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Effect of selective laser melting process parameters on microstructural and mechanical properties of TiC–NiCr cermet**

Aramian, Atefeh; Sadeghian, Zohreh; Razavi, Seyed Mohammad J.; **Prashanth, Konda Gokuldoss;** Berto, Filippo Ceramics international 2020 / p. 28749-28757 <https://doi.org/10.1016/j.ceramint.2020.08.037> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Effect of sintering method on surface fatigue of carbide composites**

**Petrov, Mihail; Kübarsepp, Jakob; Sergejev, Fjodor; Viljus, Mart; Tarraste, Marek** Engineering materials and tribology XXV 2017 / p. 368-372 : ill <https://doi.org/10.4028/www.scientific.net/KEM.721.368> [Journal metrics at Scopus](#) [Article at Scopus](#)

**Effect of SiO<sub>2</sub> and PTFE additives on dry sliding of NiP electroless coating**

Gutsev, D.; **Antonov, Maksim; Hussainova, Irina;** Grigoriev, A.Y. Tribology international 2013 / p. 295-302 : ill <https://doi.org/10.1016/j.triboint.2012.12.012> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Effect of solution composition on anatase to rutile transformation of sprayed TiO<sub>2</sub> thin films**

**Juma, Albert Owino; Oja Acik, Ilona; Mikli, Valdek; Mere, Arvo; Krunks, Malle** Thin solid films 2015 / p. 287-292 : ill <https://doi.org/10.1016/j.tsf.2015.03.036> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Effect of solution spray rate on the properties of chemically sprayed ZnO:In thin films**

**Kriisa, Merike; Krunks, Malle; Kärber, Erki; Kukk, Mart; Mikli, Valdek; Mere, Arvo** Journal of nanomaterials 2013 / p. 1-9 : ill  
<https://doi.org/10.1155/2013/423632> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Effect of substrate plate heating on the microstructure and properties of selective laser melted Al-20Si-5Fe-3Cu-1Mg alloy**

**Ma, Pan; Ji, Pengcheng; Jia, Yandong; Shi, Xuerong; Yu, Zhishui; Prashanth, Konda Gokuldoss** Materials 2021 / art. 330  
<https://doi.org/10.3390/ma14020330> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **The effect of surface properties on bond strength of birch, black alder, grey alder and aspen veneers**

**Rohumaa, Anti; Kallakas, Heikko; Mäetalu, Marja; Savest, Natalja; Kers, Jaan** International Journal of Adhesion and Adhesives 2021 / art. 102945 <https://doi.org/10.1016/j.ijadhadh.2021.102945> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Effect of Zn:S molar ratio in solution on the properties of ZnS thin films and the formation of ZnS nanorods by spray pyrolysis**

**Dedova, Tatjana; Krunks, Malle; Gromõko, Inga; Mikli, Valdek; Sildos, Ilmo; Utt, Kathriin; Unt, Tarmo** Physica status solidi (a) : applications and materials science 2014 / p. 514-521 : ill <https://doi.org/10.1002/pssa.201300215> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **The effect of temperature and sliding speed on friction and wear of Si3N4, Al2O3, and ZrO2 balls tested against AlCrN PVD coating**

**Antonov, Maksim; Afshari, Hossein; Baroninš, Janis; Adoberg, Eron; Raadik, Taavi; Hussainova, Irina** Tribology international 2018 / p. 500-514 : ill <https://doi.org/10.1016/j.triboint.2017.05.035> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Effect of temperature on sliding and erosive wear of fiber reinforced polyimide hybrids**

**Zhao, Gai; Hussainova, Irina; Antonov, Maksim; Wang, Qihua; Wang, Tingmei; Yung, Der-Liang** Tribology international 2015 / p. 525-533 : ill <https://doi.org/10.1016/j.triboint.2014.01.019> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Effect of thermal spraying method on the microstructure and wear behaviour of FeNiCrBSiC-CrB2 coating**

**Umanskyi, O.; Storozhenko, M.; Antonov, Maksim; Terentyev, O.; Koval, O.; Goljandin, Dmitri** Modern Materials and Manufacturing 2019 : 12th International DAAAM Baltic Conference and 27th International Baltic Conference BALTMATTRIB 2019. Selected, peer reviewed papers from the conference Modern Materials and Manufacturing 2019 (MMM 2019), April 24-26, 2019, Tallinn, Estonia 2019 / p. 37-42 : ill [https://www.ester.ee/record=b5235278\\*est](https://www.ester.ee/record=b5235278*est) <https://www.scientific.net/KEM.799.37>  
<https://doi.org/10.4028/www.scientific.net/KEM.799.37> [Conference proceeding at Scopus](#) [Article at Scopus](#)

#### **Effect of TiB2 addition on the mechanical and biological response of spark plasma sintered Ti6Al7Nb matrix composites**

**Singh, Neera; Ummethala, Raghunandan; Surreddi, Kumar Babu; Jayaraj, Jayamani; Sokkalingam, Rathinavelu; Rajput, Monika; Chatterjee, Kaushik; Prashanth, Konda Gokuldoss** Journal of alloys and compounds 2022 / art. 166502  
<https://doi.org/10.1016/j.jallcom.2022.166502> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Effect of TiB2 additives on wear behavior of NiCrBSi-based plasma-sprayed coatings**

**Umanskyi, Oleksandr; Storozhenko, Maryna; Hussainova, Irina; Terentjev, Oleksandr; Kovalchenko, Andrey; Antonov, Maksim** Materials science = Medžiagotyra 2016 / p. 15-19 : ill <https://doi.org/10.5755/j01.ms.22.1.7307> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Conference Proceedings at WOS](#) [Article at WOS](#)

#### **Effect of TiB2 particles on microstructure and crystallographic texture of Al-12Si fabricated by selective laser melting**

**Xi, L.; Wang, P.; Prashanth, Konda Gokuldoss; Li, H.** Journal of alloys and compounds 2019 / p. 551-556 : ill  
<https://doi.org/10.1016/j.jallcom.2019.01.327> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **The effect of tin doping on the band structure and optical properties of polycrystalline antimony selenide**

**Uslu, Mehmet Ender; Danilson, Mati; Timmo, Kristi; Grossberg-Kuusk, Maarja** Physica B : condensed matter 2024 / art. 415744 <https://doi.org/10.1016/j.physb.2024.415744> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Effect of WC grain size and content on erosive wear of manual arc welded hardfacings with low-carbon ferritic-pearlitic steel or stainless steel matrix**

**Katinas, Egidijus; Antonov, Maksim; Jankauskas, Vytenis; Skirkus, Remigijus** Engineering materials and tribology : selected, peer reviewed papers from the 24th International Baltic Conference on Engineering Materials & Tribology (BALTMATTRIB & IFHTSE 2015), November 5-6, 2015, Tallinn, Estonia 2016 / p. 213-218 : ill <https://doi.org/10.4028/www.scientific.net/KEM.674.213> [Conference Proceedings at Scopus](#) [Article at Scopus](#)

#### **Effect of WC grain size and content on low stress abrasive wear of manual arc welded hardfacings with low-carbon or stainless steel matrix**

**Jankauskas, Vytenis; Antonov, Maksim; Varnauskas, Valentinas; Skirkus, Remigijus; Goljandin, Dmitri** Wear 2015 / p. 378-390 : ill  
<https://doi.org/10.1016/j.wear.2015.02.063> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Effect of wear debris entrapment on the tribological performance of AlCoCrFeNi produced by selective laser melting or spark plasma sintering**

**Karimi, Javad; Antonov, Maksim; Prashanth, Konda Gokuldoss** Metallurgical and materials transactions A : Physical metallurgy and materials science 2022 / p. 4004-4010 <https://doi.org/10.1007/s11661-022-06805-z> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Effective cross-sectional method for timber frame assemblies - definition of coefficients and zero strength layers**

**Tiso, Mattia; Just, Alar**; Schmid, Joachim; Klippel, Michael Fire and materials 2018 / p. 897-913 : ill <https://doi.org/10.1002/fam.2645> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Effective electrical conductivity of carbon nanotube–epoxy nanocomposites**

Kulakov, Vladimir; Aniskevich, Andrey; Ivanov, Sergey; **Poltimäe, Triinu**; Starkova, Olesja Journal of composite materials 2017 / p. 2979-2988 : ill <https://doi.org/10.1177/0021998316678304> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Effects of Ar<sup>+</sup> etching of Cu<sub>2</sub>ZnSnSe<sub>4</sub> thin films : An x-ray photoelectron spectroscopy and photoluminescence study**

Yakushev, Michael V.; Sulimov, Mikhail A.; Skidchenko, Ekaterina; **Krustok, Jüri** Journal of Vacuum Science & Technology B 2018 / art. 061208, 8 p. : ill <https://doi.org/10.1116/1.5050243> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Effects of irradiation of ZnO/CdS/Cu<sub>2</sub>ZnSnSe<sub>4</sub>/Mo/glass solar cells by 10 MeV electrons on photoluminescence spectra**

Sulimov, M. A.; Sarychev, M.N.; Yakushev, Michael V.; **Krustok, Jüri** Materials science in semiconductor processing 2021 / art. 105301, 5 p. : ill <https://doi.org/10.1016/j.mssp.2020.105301> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Effects of night ventilation on indoor air quality in educational buildings—a field study**

Lestinen, Sami; Kilpeläinen, Simo; **Kosonen, Risto**; Valkonen, Maria; **Jokisalo, Juha**; Pasanen, Pertti Applied sciences 2021 / art. 4056, 20 p. : ill <https://doi.org/10.3390/app11094056> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Effects of selenisation temperature on photoluminescence and photoluminescence excitation spectra of ZnO/CdS/Cu<sub>2</sub>ZnSnSe<sub>4</sub>/Mo/glass**

Sulimov, Mikhail A.; Yakushev, M. V.; Marquez-Prieto, J.; **Krustok, Jüri** Thin solid films 2019 / p. 146-151 : ill <https://doi.org/10.1016/j.tsf.2019.01.002> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Effects of stator core welding on an induction machine – measurements and modeling**

Sundaria, Ravi; Daem, Andries; Osemwinyen, Osaruyi; Lehtikoinen, Antti; Sergeant, Peter; Arkkio, Antero; **Belahcen, Anouar** Journal of Magnetism and Magnetic Materials 2020 / art. 166280 <https://doi.org/10.1016/j.jmmm.2019.166280> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Effects of the inclusion of armchair graphene nanoribbons on the electrical conduction properties of NN-heterojunction 4H-6H/SiC diodes**

**Rashid, Muhammad Haroon; Koel, Ants; Rang, Toomas** Advanced Materials and Processing Technologies : 2nd International Conference on Sensors, Materials and Manufacturing (ICSMM 2018, November 19-21, 2018, Taiwan); International Conference on Materials Sciences and Nanomaterials (ICMSN 2018, July 11-13, 2018, United Kingdom) and the 2nd International Conference on Materials and Intelligent Manufacturing (ICMIM 2018, August 24-26, 2018, Japan) 2019 / p. 29–35 : ill <https://doi.org/10.4028/www.scientific.net/MSF.962.29> [Conference proceeding at Scopus](#) [Article at Scopus](#)

**Efficiency enhancement of Cu<sub>2</sub>ZnSnS<sub>4</sub> monograin layer solar cells via absorber post-growth treatments**

**Timmo, Kristi; Dolcet Sadurni, Marc; Pilvet, Maris; Muska, Katri; Altosaar, Mare; Mikli, Valdek**; Atlan, Fabien; Guc, Maxim; Izquierdo-Roca, Victor; **Grossberg-Kuusk, Maarja; Kauk-Kuusik, Marit** Solar energy materials and solar cells 2023 / art. 112090 <https://doi.org/10.1016/j.solmat.2022.112090> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Efficient fixed-switching modulated finite control set-model predictive control based on artificial neural networks**

**Bakeer, Abualkasim Ahmed Ali**; Alhasheem, Mohammed; Peyghami, Saeed Applied Sciences (Switzerland) 2022 / art. 3134 <https://doi.org/10.3390/app12063134> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Efficient lignin fractionation from Scots pine (Pinus sylvestris) using ammonium-based protic ionic liquid : process optimization and characterization of recovered lignin**

Khan, Sharib; Rauber, Daniel; Shanmugam, Sabarathinam; Kay, Christopher W. M.; **Konist, Alar**; Kikas, Timo Polymers 2022 / art. 4637, 13 p. : ill <https://doi.org/10.3390/polym14214637> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Efficient method of finding scaling exponents from finite-size Monte-Carlo simulations**

**Mandre, Indrek; Kalda, Jaan** The European physical journal B 2013 / p. 1-6 : ill <https://doi.org/10.1140/epjb/e2012-30954-7> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **EFIC-ME : a fast emulation based fault injection control and monitoring enhancement**

**Abideen, Zain Ul; Rashid, Muhammad Haroon** IEEE Access 2020 / p. 207705-207716

<https://doi.org/10.1109/ACCESS.2020.3038198> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Elastic models of defects in two-dimensional crystals**

**Kolesnikova, Anna; Orlova, T. S.; Hussainova, Irina; Romanov, Alexey** Physics of the solid state 2014 / p. 2573-2579 : ill

<https://doi.org/10.1134/S1063783414120166> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Elastic wave Talbot effect in solids with inclusions**

**Berezovski, Arkadi; Tang, Wen-Xin; Wan, Weishi** Mechanics research communications 2014 / p. 21-26 : ill

<https://doi.org/10.1016/j.mechrescom.2014.05.004> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Electric properties of anorthite ceramics prepared from illitic clay and oil shale ash**

**Csaki, Štefan; Štubna, Igor; Kaljuvee, Tiit; Dobron, Patrik; Lukač, František; Trnik, Anton** Journal of materials research and technology 2022 / p. 4164-4173

<https://doi.org/10.1016/j.jmrt.2022.11.030> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Electrical characterization of all-layers-sprayed solar cell based on ZnO nanorods and extremely thin CIS absorber**

**Kärber, Erki; Katerski, Atanas; Krunks, Malle** Solar energy 2013 / p. 48-58 : ill

<https://doi.org/10.1016/j.solener.2013.01.020> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Electrical characterization of annealed chemical-bath-deposited CdS films and their application in superstrate configuration CdTe/CdS solar cells**

**Graf, Aleksandr; Maticiu, Natalia; Spalatu, Nicolae; Mikli, Valdek; Mere, Arvo; Gavrilov, Aleksei; Hiie, Jaan** Thin solid films 2015 / p. 351-355 : ill

<https://doi.org/10.1016/j.tsf.2014.11.003> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Conference Proceedings at WOS](#) [Article at WOS](#)

#### **Electrical conductivity and mechanical properties of Cu-0.7wt% Cr and Cu-1.0wt% Cr alloys processed by severe plastic deformation**

**Kommel, Lembit; Pokatilov, Andrei** IOP conference series : materials science and engineering 2014 / p. 1-7 : ill

<https://doi.org/10.1088/1757-899X/63/1/012169> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

#### **Electrocatalysts for oxygen reduction reaction based on electrospun polyacrylonitrile, styrene–acrylonitrile copolymer and carbon nanotube composite fibres**

**Mooste, Marek; Kibena-Pöldsepp, Elo; Vassiljeva, Viktoria; Uibu, Mai; Krumme, Andres** Journal of materials science 2019 / p. 11618–11634 : ill

<https://doi.org/10.1007/s10853-019-03725-z> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Electrochemical and photoelectrochemical characterization of SnS photoabsorber films**

**Kois, Julia; Bereznev, Sergei; Maricheva, Jelena; Naidu, Revathi** Materials science in semiconductor processing 2017 / p. 76-81 : ill

<https://doi.org/10.1016/j.mssp.2016.10.036> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Electrochemical aziridination of internal alkenes with primary amines**

**Ošeka, Maksim; Laudadio, Gabriele; van Leest, Nicolaas P.; Dyga, Marco; Bartolomeu, Aloisio de A.; Gooßen, Lukas J.; de Bruin, Bas; de Oliveira, Kleber T.; Noël, Timothy** Chem 2021 / p. 255 - 266

<https://doi.org/10.1016/j.chempr.2020.12.002> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Electrochemical behaviour of TiCN and TiAlN gradient coatings prepared by lateral rotating cathode arc PVD technology**

**Baroninš, Janis; Podgurski, Vitali; Antonov, Maksim; Bereznev, Sergei; Hussainova, Irina** Engineering materials and tribology XXV 2017 / p. 414-418

<https://doi.org/10.4028/www.scientific.net/KEM.721.414> [Journal metrics at Scopus](#) [Article at Scopus](#)

#### **Electrochemical functionalization of gold and silicon surfaces by a maleimide group as a biosensor for immunological application**

**Zhang, Xin; Tretjakov, Aleksei; Hovestädt, Marc; Sun, Guoguang; Söritski, Vitali; Reut, Jekaterina; Volkmer, Rudolf; Hinrichs, Karsten; Rappich, Jörg** Acta biomaterialia 2013 / p. 5838-5844 : ill

<https://doi.org/10.1016/j.actbio.2012.10.022> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Electrochemical sensor based on molecularly imprinted polymer for rapid quantitative detection of brain-derived neurotrophic factor**

**Ayankojo, Akinrinade George; Boroznjak, Roman; Reut, Jekaterina; Tuvikene, Jürgen; Timmusk, Tõnis; Söritski, Vitali** Sensors and Actuators B: Chemical 2023 / art. 134656

<https://doi.org/10.1016/j.snb.2023.134656> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Electrochemical synthesis of CdSe/CdTe nanowires for hybrid photovoltaic structures**

**Gurevič, Jelena; Bereznev, Sergei; Mikli, Valdek; Naidu, Revathi; Mellikov, Enn; Kois, Julia** Materials Research Society symposium proceedings 2014 / [6] p. : ill

<https://doi.org/10.1557/opl.2014.576> [Conference proceedings at Scopus](#) [Article at Scopus](#)

### **Electrochemically synthesised CdSe nanofibers and pearl-chain nanostructures for photovoltaic applications**

Kois, Julia; Bereznev, Sergei; Gurevits, Jelena; Volobujeva, Olga Materials letters 2013 / p. 110-113 : ill

<https://doi.org/10.1016/j.matlet.2012.11.122> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

### **Electroconductive composite of zirconia and hybrid graphene/alumina nanofibers**

Hussainova, Irina; Drozdova, Maria; Perez-Coll, Domingo Journal of the European Ceramic Society 2017 / p. 3713-3719 : ill

<https://doi.org/10.1016/j.jeurceramsoc.2016.12.033> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

### **Electroconductive fibrous mat prepared by electrospinning of polyacrylamide-g-polyaniline copolymers as electrode material for supercapacitors**

Smirnov, Michael; Tarasova, Elvira; Mikli, Valdek; Vassiljeva, Viktoria; Krumme, Andres Journal of materials science 2018 / p. 4859-4873 : ill

<https://doi.org/10.1007/s10853-018-03186-w> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

### **Electroconductive oxide ceramics with graphene-encapsulated fillers**

Hussainova, Irina; Drozdova, Maria; Ivanov, Roman; Kale, Sudhir S.; Jasiuk, Iwona Proceedings of the 42nd international conference on advanced ceramics and composites 2019 / p. 251-258

<https://doi.org/10.1002/9781119543343.ch25> Conference proceeding at Scopus Article at Scopus Article at WOS

### **Electro-deposited nano-Ni/reduced graphene oxide composite film of corrugated surface for high voltammetric sensitivity**

Alinejadian, Navid; Kazemi, Sayed Habib; Nasirpour, Farzad; Odneval, Inger Charlotta Materials chemistry and physics 2023 / art. 127288, 8 p. : ill

<https://doi.org/10.1016/j.matchemphys.2022.127288> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

### **Electrodeposited ZnO morphology transformations under the influence of SeO<sub>2</sub> additive: Rods, disks, nanosheets network**

Gromōko, Inga; Dedova, Tatjana; Polivtseva, Svetlana; Kois, Julia; Puust, Laurits; Sildos, Ilmo; Mere, Arvo; Krunks, Malle Thin solid films 2018 / p. 10-15 : ill

<https://doi.org/10.1016/j.tsf.2017.12.004> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

### **Electroless Ni-P-MoS<sub>2</sub>-Al<sub>2</sub>O<sub>3</sub> composite coating with hard and self-lubricating properties**

Mohanty, Shalini; Jamal, Naghma; Das, Alok Kumar; Prashanth, Konda Gokuldoss Materials 2022 / art. 6806

<https://doi.org/10.3390/ma15196806> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

### **Electron beam melting of (FeCoNi)<sub>86</sub>Al<sub>7</sub>Ti<sub>7</sub> high-entropy alloy**

Peng, Cong; Jia, Yandong; Liang, Jian; Xu, Long; Wang, Gang; Mu, Yongkun; Sun, Kang; Ma, Pan; Prashanth, Konda Gokuldoss Journal of alloys and compounds 2023 / art. 170752

<https://doi.org/10.1016/j.jallcom.2023.170752> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

### **Electron-beam welding of high-entropy alloy and stainless steel: microstructure and mechanical properties**

Sokkalingam, Rathinavelu; Mastanaiah, P.; Muthupandi, Veerappan; Sivaprasad, Katakam; Prashanth, Konda Gokuldoss Materials and manufacturing processes 2020 / p. 1885-1894

<https://doi.org/10.1080/10426914.2020.1802045> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

### **Electronic and structural characterisation of Cu<sub>3</sub>BiS<sub>3</sub> thin films for the absorber layer of sustainable photovoltaics**

Yakushev, M.V.; Maiello, P.; Raadik, Taavi; Krustok, Jüri Thin solid films 2014 / p. 195-199 : ill

<https://doi.org/10.1016/j.tsf.2014.04.057> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

### **Electrospinning of chitosan biopolymer and polyethylene oxide blends**

Varnaite-Žuravliova, Sandra; Savest, Natalja; Baltušnikaite-Guzaitiene, Julija; Abraitene, Aušra; Krumme, Andres Autex research journal 2020 / p. 426-440 : ill

<https://doi.org/10.2478/aut-2019-0031> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

### **Electrospun conductive mats from PANi-ionic liquid blends**

Savest, Natalja; Plamus, Tiia; Kütt, Kertu; Kallavus, Urve; Viirsalu, Mihkel; Tarasova, Elvira; Vassiljeva, Viktoria; Krasnou, Illia; Krumme, Andres Journal of electrostatics 2018 / p. 40-44

<https://doi.org/10.1016/j.elstat.2018.09.007> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

### **Elliptic-curve crypto processor for RFID applications**

Rashid, Muhammad; Jamal, Sajjad Shaukat; Khan, Sikandar Zulqarnain; Alharbi, Adel R.; Aljaedi, Amer; Imran, Malik Applied Sciences (Switzerland) 2021 / art. 7079

<https://doi.org/10.3390/app11157079> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

### **Emission measurements with gravimetric impactors and electrical devices : An aerosol instrument comparison**

Salo, Laura; Mylläri, Fanni; Maasikmets, Marek; Niemelä, Ville; Konist, Alar; Kupri, Hanna-Lii Aerosol science and technology

### Energy levels determination of Zn(O,Se) thin films

**Abdalla, Akram; Danilson, Mati; Mikli, Valdek; Bereznev, Sergei** Materials science in semiconductor processing 2023 / art. 107137 <https://doi.org/10.1016/j.mssp.2022.107137> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

### Energy performance of the Serbian and Estonian family house with a selective absorption facade

Lukic, N.; Nešovic, A.; Nikolic, N.; **Siirde, Andres; Volkova, Anna; Latõšov, Eduard** IOP conference series : materials science and engineering 2019 / art. 012047, 10 p. : ill <https://doi.org/10.1088/1757-899X/659/1/012047> Conference proceedings at Scopus Article at Scopus

### Energy-efficient distributed leader selection algorithm for energy-constrained wireless sensor networks

**Ulp, Sander; Le Moullec, Yannick; Alam, Muhammad Mahtab** IEEE Access 2019 / p. 4410-4421 : ill <https://doi.org/10.1109/ACCESS.2018.2888551> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

### Enhanced efficiency of hybrid amorphous silicon solar cells based on single-walled carbon nanotubes and polymer composite thin film

Rajanna, Pramod M.; Gilshteyn, Evgenia P.; Yagafarov, Timur; Alekseeva, Alena A.; Anisimov, Anton S.; Neumüller, Alex; Sergeev, Oleg; **Bereznev, Sergei; Maricheva, Jelena**; Nasibulin, Albert Nanotechnology 2018 / 10 p. : ill <https://doi.org/10.1088/1361-6528/aaa647> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

### Enhanced optical and thermal conductivity properties of barium titanate ceramic via strontium doping for thermo-optical applications

Tihti, Mohammed; Ibrahim, Jamal Eldin F. M.; Basyooni, Mohamed A.; En-nadir, Redouane; Belaid, Walid; Abdelfattah, Mohamed M.; **Hussainova, Irina**; Pszota, Gabor; Kocserha, Istvan Optical and Quantum Electronics 2023 / art. 226, 20 p. : ill <https://doi.org/10.1007/s11082-022-04516-8> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

### Enhanced photocatalytic activity of chemically deposited ZnO nanowires using doping and annealing strategies for water remediation

Gaffuri, Pierre; **Dedova, Tatjana**; Appert, Estelle; **Danilson, Mati; Oja Acik, Ilona** Applied surface science 2022 / art. 152323 <https://doi.org/10.1016/j.apsusc.2021.152323> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

### Enhanced photocatalytic activity of ZnO nanorods by surface treatment with H<sub>2</sub>AuCl<sub>4</sub> : synergic effects through an electron scavenging, plasmon resonance and surface hydroxylation

**Dedova, Tatjana; Oja Acik, Ilona; Chen, Zengjun; Katerski, Atanas; Balmassov, Kirill; Gromõko, Inga**; Nagyne-Kovacs, T.; Szilagy, I.M.; **Krunks, Malle** Materials chemistry and physics 2020 / art. 122767 <https://doi.org/10.1016/j.matchemphys.2020.122767> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

### Enhanced sensing properties of cobalt bis-porphyrin derivative thin films by a magneto-plasmonic-opto-chemical sensor

Colombelli, A.; Manera, Maria Grazia; **Borovkov, Victor**; Giancane, Gabriele Sensors and actuators B : chemical 2017 / p. 1039-1048 : ill <https://doi.org/10.1016/j.snb.2017.01.192> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

### Enhancement of hydrogen storage in metals by using a new technique in Severe Plastic Deformations

**Omranpour Shahreza, Babak; Kommel, Lembit**; Sanchez, E. Garcia Modern Materials and Manufacturing 2019 : 12th International DAAAM Baltic Conference and 27th International Baltic Conference BALTMATTRIB 2019. Selected, peer reviewed papers from the conference Modern Materials and Manufacturing 2019 (MMM 2019), April 24-26, 2019, Tallinn, Estonia 2019 / p. 173-178 : ill <https://doi.org/10.4028/www.scientific.net/KEM.799.173> <https://www.scientific.net/KEM.799.173> [https://www.eur.ester.ee/record=b5235278\\*est](https://www.eur.ester.ee/record=b5235278*est) Conference proceeding at Scopus Article at Scopus

### Enhancement of photoluminescence of GaAsBi quantum wells by parabolic design of AlGaAs barriers

Pukiene, Simona; Karaliunas, Mindaugas; Jasinskas, A.; **Udal, Andres** Nanotechnology 2019 / art. 455001, 11 p. : ill <https://doi.org/10.1088/1361-6528/ab36f3> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

### Enhancing NIR emission in ZnAl<sub>2</sub>O<sub>4</sub>:Nd,Ce nanofibers by co-doping with Ce and Nd: a promising biomarker material with low cytotoxicity

**Rojas Hernandez, Rocio Estefania**; Rubio-Marcos, Fernando; Gorni, Giulio; Marini, Carlo; **Danilson, Mati**; Pascual, Laura; Ichikawa, Rodrigo Uchida; **Hussainova, Irina**; Fernandez, Jose Francisco Journal of materials chemistry C 2021 / p. 657-670 : ill <https://doi.org/10.1039/D0TC04752J> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

### Erosion studies of the iron boride coatings for protection of tubing components in oil production, mineral processing and engineering applications

Medvedovski, Eugene; **Antonov, Maksim** Wear 2020 / art. 203277, 8 p. : ill <https://doi.org/10.1016/j.wear.2020.203277> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

### Erosion wear of reactive sintered WC-TiC-Co cermets

**Tarraste, Marek; Juhani, Kristjan; Pirso, Jüri; Viljus, Mart** Engineering materials & tribology XXII 2014 / p. 63-66

<https://doi.org/10.4028/www.scientific.net/KEM.604.63> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Conference proceedings at WOS](#) [Article at WOS](#)

#### **Erosive wear of boiler steels by sand and ash**

Huttunen-Saarivirta, E.; Kinnunen, H.; Tuiremo, J.; Uusitalo, M.; **Antonov, Maksim** Wear 2014 / p. 213-224 : ill

<https://doi.org/10.1016/j.wear.2014.06.007> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Erosive wear resistance of nature-inspired flexible materials**

**Kumar, Rahul, 1993-; Antonov, Maksim; Holovenko, Yaroslav; Surženkov, Andrei** Tribology letters 2020 / art. 51, 8 p. : ill

<https://doi.org/10.1007/s11249-020-01296-8> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Erratum to : Thermodynamic approach to generalized continua**

Van, Peter; **Berezovski, Arkadi**; Papenfuss, Christina Continuum mechanics and thermodynamics 2014 / p. 421-422

<https://doi.org/10.1007/s00161-014-0332-2> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Erratum: A feasible pathway to stabilize monoclinic and tetragonal phase coexistence in barium titanate-based ceramics (J. Mater. Chem. C (2022) 10 (17743–17756) DOI: 10.1039/D2TC04265G)**

**Necib, Jallouli**; Lopez-Sanchez, Jesus; Rubio-Marcos, Fernando; Serrano, Aida; Navarro, Elena; Pena, Alvaro; Taoufik, Mnasri; Smari, Mourad; **Rojas Hernandez, Rocio Estefania**; Carmona, Noemi; Marín, Pilar Journal of materials chemistry C 2023 / p. 2397

<https://doi.org/10.1039/d3tc90020g> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Erratum: Multifractal analysis of high-temperature plasma irradiated tungsten surfaces (Surface Topography: Metrology and Properties (2021) 9 (035030) DOI: 10.1088/2051-672x/ac1dc3)**

Martsepp, Merike; Laas, Tõnu; Laas, Katrin; **Priimets, Jaanis; Mikli, Valdek; Antonov, Maksim** Surface topography : metrology and properties 2023 / art. 029501 <https://doi.org/10.1088/2051-672X/acc81c> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **ETSI SmartBAN architecture: The global vision for smart body area networks**

Hamalainen, Matti; Mucchi, Lorenzo; Girod-Genet, Marc; Paso, Tuomas; Farserotu, John; Tanaka, Hirokazu; Anzai, Daisuke; Pierucci, Laura; **Khan, Rida; Alam, Muhammad Mahtab** IEEE Access 2020 / art. 9167215, p. 150611-150625

<https://doi.org/10.1109/ACCESS.2020.3016705> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Evaluating the energy readiness of national building stocks through benchmarking**

**Ferrantelli, Andrea; Belikov, Juri; Petlenkov, Eduard; Thalfeldt, Martin; Kurnitski, Jarek** IEEE Access 2022 / p. 45430-45443 :

ill <https://doi.org/10.1109/ACCESS.2022.3170716> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Evaluation of 3D-printed magnetic materials for additively-manufactured electrical machines**

Selema, Ahmed; Beretta, Margherita; Van Coppenolle, Matty; **Tiismus, Hans; Kallaste, Ants**; Ibrahim, Mohamed N.; Rombouts, Marleen; Vleugels, Jozef; Kestens, Leo A.I.; Sergeant, Peter Journal of magnetism and magnetic materials 2023 / art. 170426, 12 p. :

ill <https://doi.org/10.1016/j.jmmm.2023.170426> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Evaluation of residual stresses in PVD coatings by means of strip substrate length variation and curvature method of plate substrate**

Lille, Harri; Ryabchikov, Alexander; Kõo, Jakub; **Adoberg, Eron; Lind, Liina; Kurisoo, Liisa; Peetsalu, Priidu** Materials Engineering 2017 : selected, peer reviewed papers from the 26th International Baltic Conference on Materials Engineering 2017, October 26-27, Kaunas, Lithuania 2017 / p. 212-218

<https://doi.org/10.4028/www.scientific.net/SSP.267.212> [Journal metrics at Scopus](#) [Article at Scopus](#)

#### **Evaluation of residual stresses in PVD coatings by means of the curvature method of plate**

Lille, Harri; Ryabchikov, Alexander; **Adoberg, Eron; Kurisoo, Liisa; Peetsalu, Priidu; Lind, Liina** Engineering materials and tribology XXV 2017 / p. 404-408 <https://doi.org/10.4028/www.scientific.net/KEM.721.404> [Conference proceedings at Scopus](#) [Article at Scopus](#)

#### **Evaluation of zero-strength layer depths for timber members of floor assemblies with heat resistant cavity insulations**

**Tiso, Mattia; Just, Alar**; Schmid, Joachim; **Mäger, Katrin Nele**; Klippel, Michael Fire safety journal 2019 / p. 137-148 : ill

<https://doi.org/10.1016/j.firesaf.2019.01.001> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Evaluation of wear rate of nanocrystalline diamond films esing Abbott curve**

**Bogatov, Andrei; Podgurski, Vitali** Materials Engineering 2017 : selected, peer reviewed papers from the 26th International Baltic Conference on Materials Engineering 2017, October 26-27, Kaunas, Lithuania 2017 / p. 185-189 : ill

<https://doi.org/10.4028/www.scientific.net/SSP.267.185> [Conference proceedings at Scopus](#) [Article at Scopus](#)

#### **Evolution of Dirac cone in disclinated graphene**

Rozhkov, M. A.; Kolesnikova, A. L.; **Hussainova, Irina** Reviews on advanced materials science 2018 / p. 137-142 : ill

<https://doi.org/10.1515/rams-2018-0057> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Evolution of microstructure and hardness in aluminum processed by high pressure torsion extrusion**

**Omranpour Shahreza, Babak**; Ivanisenko, Yulia; Kulagin, Roman; **Kommel, Lembit**; Sanchez, E. Garcia; Nugmanov, Dayan; Scherer, Torsten; Heczal, Anita; Gubicza, Jenő Materials Science and Engineering : A 2019 / art. 138074, 10 p. : ill <https://doi.org/10.1016/j.msea.2019.138074> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Evolution of microstructure and mechanical properties of LM25–HEA composite processed through stir casting with a bottom pouring system**

Chinababu, Mekala; Krishna, Nandivelegu Naga; Sivaprasad, Katakam; **Prashanth, Konda Gokuldoss**; Bhaskara, Eluri Materials 2022 / art. 230 <https://doi.org/10.3390/ma15010230> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Evolution of TiN coating surface roughness during physical vapor deposition on high speed steel substrate**

**Kupchenko, Leonid**; Tali, Rauno; Adoberg, Eron; Mikli, Valdek; Podgurski, Vitali Engineering materials & tribology XXII 2014 / p. 67-70 <https://doi.org/10.4028/www.scientific.net/KEM.604.67> [Conference proceedings at Scopus](#) [Article at Scopus](#)

### **An example of green surfactant systems based on inherently biodegradable IL-derived amphiphilic oximes**

Pandya, Subhashree Jayesh; **Kapitanov, Illia**; **Usmani, Zeba**; Sahu, Reshma; Sinha, Deepak; **Gathergood, Nicholas**; Ghosh, Kallol K.; **Karpichev, Yevgen** Journal of molecular liquids 2020 / art. 112857 <https://doi.org/10.1016/j.molliq.2020.112857> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Excitons in Mg(OH)<sub>2</sub> and Ca(OH)<sub>2</sub> from ab initio calculations**

Pishtshev, Aleksandr; Karazhanov, S. Zh.; **Klopov, Mihail** Solid state communications 2014 / p. 11-15 : ill <https://doi.org/10.1016/j.ssc.2014.05.019> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **An exhaustive multi-aspect analysis of swarm intelligence algorithms in numerical association rule mining**

**Kaushik, Minakshi**; **Sharma, Rahul**; **Koiva, Pilleriin**; Fister, Iztok; **Draheim, Dirk** IEEE Access 2024 / p. 138985 - 139002 <https://doi.org/10.1109/ACCESS.2024.3417334> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Experimental analysis of engine performance and exhaust pollutant on a single-cylinder diesel engine operated using moringa oleifera biodiesel**

Soudagar, Manzoore Elahi M.; Khan, Haris Mahmood; Khan, M. Yunus; Razzaq, Luqman; Asif, Tahir; Mujtaba, M. A.; **Hussain, Abrar** Applied sciences 2021 / p. 7071–7089 <https://doi.org/10.3390/app11157071> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Experimental and numerical analysis of HPTE on mechanical properties of materials and strain distribution**

**Omranpour Shahreza, Babak**; Kulagin, Roman; Ivanisenko, Yulia; Sanchez, E. Garcia 7th International Conference on Nanomaterials by Severe Plastic Deformation 2–7 July 2017, Sydney, Australia 2017 / art. 012047, 6 p.: ill <https://doi.org/10.1088/1757-899X/194/1/012047> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

### **Experimental investigations on stiffened and Web-core sandwich panels made for steel under quasi-static penetration**

Romanoff, Jani; **Körgešaar, Mihkel**; Lehto, Pauli; Berntsson, Kennie; Remes, Heikki Procedia Structural Integrity, Vol. 37, C 2021 / p. 17-24 : ill <https://doi.org/10.1016/j.prostr.2022.01.055> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

### **Experimental measurements and numerical modelling of additively manufactured Fe-Si cores**

Stella, Marco; Faba, Antonio; Fulginei, F. Riganti; Quercio, Michele; Scorretti, Riccardo; Bertolini, Vittorio; Sabino, Luis Gustavo; **Tiismus, Hans**; **Kallaste, Ants**; Cardelli, Ermanno Journal of magnetism and magnetic materials 2024 / art. 171752 <https://doi.org/10.1016/j.jmmm.2024.171752> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Experimental mechanics analysis of recycled polypropylene-cotton composites for commercial applications**

**Hussain, Abrar**; **Goljandin, Dmitri**; **Podgurski, Vitali**; Abbas, Muhammad Mujtaba; **Krasnou, Illia** Advanced industrial and engineering polymer research 2023 / p. 226-238 : ill <https://doi.org/10.1016/j.aiepr.2022.11.001> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Experimental study of noise barrier boards with increased acoustic performance by utilizing Helmholtz resonator effects**

**Lavrentjev, Jüri**; **Rämmal, Hans** Materials today: proceedings 2020 / p. 2566-2571 <https://doi.org/10.1016/j.matpr.2020.05.402> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

### **Experimental study of the charring of I-joists and recession of combustible insulation in light timber frame assemblies with comparison to Eurocode 5**

Bøe, Andreas Sæter; **Mäger, Katrin Nele**; Friquin, Kathinka Leikanger; **Just, Alar** Fire Technology 2023 / p. 3283 - 3325 <https://doi.org/10.1007/s10694-023-01464-x> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Exploring different synthesis parameters for the preparation of metal-nitrogen-carbon type oxygen reduction catalysts**

Teppor, Patrick; Jäger, Rutha; Härk, Eneli; Sepp, Silver; Kook, Mati; **Volobujeva, Olga**; Paiste, Päärn; Kochovski, Zdravko; Tallo, Indre; Lust, Enn Journal of the Electrochemical Society 2020 / art. 054513 <https://doi.org/10.1149/1945-7111/ab7093> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Exploring internally coupled resonator's dynamics and spatial variability in metamaterials for vibration suppression**

**Alimohammadi, Hossein**; Vassiljeva, Kristina; HosseinNia, S. Hassan; **Petlenkov, Eduard** Active and Passive Smart Structures and Integrated Systems XVII 2024 / art. 1294614 <https://doi.org/10.1117/12.3024067> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

### **Extended ZVS-On/ZCS-Off range for CF-DAB converter under DCM operation for residential energy storage systems**

**Carvalho da Silva, Edivan Laercio**; Cardoso, Rafael; Felipe, Carla Aparecida; Stein, Carlos Marcelo De Oliveira; Bellinaso, Lucas Vizzotto; Michels, Leandro; **Vinnikov, Dmitri** IEEE Access 2023 / p. 119231-119243 <https://doi.org/10.1109/ACCESS.2023.3327219> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Fabrication of localized diamond-filled copper structures via selective laser melting and spark plasma sintering**

**Rahmani Ahranjani, Ramin**; **Karimi, Javad**; **Kamboj, Nikhil**; **Kumar, Rahul**, 1993-; Brojan, Miha; Tchórz, Adam; Skrabalak, Grzegorz; Lopes, Sergio Ivan Diamond and related materials 2023 / art. 109916 <https://doi.org/10.1016/j.diamond.2023.109916> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Fabrication of NiO/NiAl<sub>2</sub>O<sub>4</sub> nanofibers by combustion method**

**Aghayan, Marina**; **Hussainova, Irina** Engineering materials and tribology : selected, peer reviewed papers from the 24th International Baltic Conference on Engineering Materials & Tribology (BALTMATRIB & IFHTSE 2015), November 5-6, 2015, Tallinn, Estonia 2016 / p. 31-34 : ill <https://doi.org/10.4028/www.scientific.net/KEM.674.31> [Conference Proceedings at Scopus](#) [Article at Scopus](#)

### **Face centered cubic titanium in high pressure torsion processed carbon nanotubes reinforced titanium composites**

Li, F. X.; Chen, P.; Chen, Z.; **Prashanth, Konda Gokuldoss** Journal of alloys and compounds 2019 / p. 939-945 : ill <https://doi.org/10.1016/j.jallcom.2019.07.277> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Fast and fair computation offloading management in a swarm of drones using a rating-based federated learning approach**

**Rahbari, Dadmehr**; **Alam, Muhammad Mahtab**; **Le Moullec, Yannick**; **Jenihhin, Maksim** IEEE Access 2021 / p. 113832-113849 <https://doi.org/10.1109/ACCESS.2021.3104117> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Fast identification of true critical paths in sequential circuits**

**Ubar, Raimund-Johannes**; **Kostin, Sergei**; **Jenihhin, Maksim**; **Raik, Jaan**; **Jürimägi, Lembit** Microelectronics reliability 2018 / p. 252-261 : ill <https://doi.org/10.1016/j.microrel.2017.11.027> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Faster magic angle spinning reveals cellulose conformations in woods**

Yuan, Eric Chung-Yueh; Huang, Shing-Jong; Huang, Hung-Chia; Sinkkonen, Jari; **Oss, Andres**; **Org, Mai-Liis**; **Samoson, Ago**; Tai, Hwan-Ching; Chan, Jerry Chun Chung Chemical communications 2021 / p. 4110-4113 <https://doi.org/10.1039/D1CC01149A> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Fault management techniques to enhance the reliability of power electronic converters : an overview**

**Rahimpour, Saeed**; **Husev, Oleksandr**; **Vinnikov, Dmitri**; Vosoughi Kurdkandi, Naser; Tarzamni, Hadi IEEE Access 2023 / p. 13432-13446 <https://doi.org/10.1109/ACCESS.2023.3242918> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **A feasible pathway to stabilize monoclinic and tetragonal phase coexistence in barium titanate-based ceramics**

**Necib, Jallouli**; Lopez-Sanchez, Jesus; Rubio-Marcos, Fernando; Serrano, Aida; Navarro, Elena; Pena, Alvaro; Taoufik, Mnasri; Smari, Mourad; **Rojas Hernandez, Rocio Estefania**; Carmona, Noemi; Marín, Pilar Journal of materials chemistry C 2022 / p. 17743-17756 <https://doi.org/10.1039/D2TC04265G> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Feedstock preparation, microstructures and mechanical properties for laser-based additive manufacturing of steel matrix composites**

Chen, Hongyu; Kosiba, Konrad; Suryanarayana, Challapalli; Lu, Tiwen; Liu, Yang; Wang, Yonggang; **Prashanth, Konda Gokuldoss** International materials reviews 2023 / p. 1192-1244 <https://doi.org/10.1080/09506608.2023.2258664> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Ferritic chromium steel as binder metal for WC cemented carbides**

**Tarraste, Marek**; **Kübarsepp, Jakob**; **Juhani, Kristjan**; **Mere, Arvo**; **Kolnes, Märt**; **Viljus, Mart**; **Maaten, Birgit** International journal of refractory metals and hard materials 2018 / p. 183-191 : ill <https://doi.org/10.1016/j.jrmhm.2018.02.010> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Ferrocene introduced into 5-methylresorcinol-based organic aerogels**

Erkhova, Ludmila V.; Presniakov, Igor A.; Afanasov, Michail I.; Lemenovskiy, Dmitry A.; Yu, Haojie; Wang, Li; **Danilson, Mati**; **Koel, Mihkel** Polymers 2020 / art. 1582 ; 12 p. : ill <https://doi.org/10.3390/polym12071582> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **A few-layered graphene on alumina nanofibers for electrochemical energy conversion**

**Hussainova, Irina; Ivanov, Roman**; Stamatin, Serban; Anoshkin, Ilya; Skou, Eivind; Nasibulin, Albert Carbon 2015 / p. 157-164 : ill  
<https://doi.org/10.1016/j.carbon.2015.03.004> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Fiber laser welded cobalt super alloy L605 : optimization of weldability characteristics**

Prasad, B. Hari; Madhusudhan Reddy, G.; Das, Alok Kumar; **Prashanth, Konda Gokuldoss** Materials 2022 / art. 7708  
<https://doi.org/10.3390/ma15217708> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Fiber-reinforced plywood: Increased performance with less raw material**

**Saal, Kristjan; Kallakas, Heikko; Tuhkanen, Eero; Just, Alar; Rohumaa, Anti; Kers, Jaan; Kalamees, Targo; Lõhmus, Rünno** Materials 2024 / art. 3218 <https://doi.org/10.3390/ma17133218> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Fibrillation of aspen by alkaline cold pre-treatment and vibration milling**

**Kärner, Kärt; Elomaa, Matti Antero; Kallavus, Urve** Materials science = Medžiagotyra 2016 / p. 358-363 : ill  
<https://doi.org/10.5755/j01.ms.22.3.7412> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Fibrous alumina-based Ni-CeO<sub>2</sub> catalyst : synthesis, structure and properties in propane pre-reforming**

Potemkin, D. I.; **Aghayan, Marina; Kamboj, Nikhil Kumar; Hussainova, Irina** Materials letters 2018 / p. 35-37 : ill  
<https://doi.org/10.1016/j.matlet.2017.12.039> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Fibrous alumina-based Ni-MO<sub>x</sub> (M= Mg, Cr, Ce) catalysts for propane pre-reforming**

Uskov, S. I.; Potemkin, D. I.; **Kamboj, Nikhil Kumar; Snytnikov, P.V.; Hussainova, Irina** Materials letters 2019 / art. 126741, 4 p. : ill  
<https://doi.org/10.1016/j.matlet.2019.126741> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Field measurements and simulation of an massive wood panel envelope with ETICS**

**Kukk, Villu; Kers, Jaan; Kalamees, Targo** Wood material science and engineering 2021 / p. 27-34 : ill  
<https://doi.org/10.1080/17480272.2020.1712738> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Finite element based meta-modeling of ship-ice interaction at shoulder and midship areas for ship performance simulation**

Li, Fang; **Körgeaar, Mihkel**; Kujala, Pentti; Goerlandt, Floris Marine structures 2020 / art. 102736  
<https://doi.org/10.1016/j.marstruc.2020.102736> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Fire design of CLT in Europe**

Östman, Birgit; Schmid, Joachim; Klippel, Michael; **Just, Alar**; Werther, Norman; Brandon, Daniel Wood and Fiber Science 2018 / p. 68-82 <https://doi.org/10.22382/wfs-2018-041> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Fire protection provided by clay and lime plasters**

**Liblik, Johanna; Küppers, Judith; Maaten, Birgit; Just, Alar** Wood Material Science & Engineering 2021 / p. 290-298  
<https://doi.org/10.1080/17480272.2020.1714726> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Fire tests on glued-laminated timber beams with specific local material properties**

Fahmi, Reto; Klippel, Michael; **Just, Alar**; Ollinoc, A.; Frangi, Andrea Fire safety journal 2019 / p. 161-169 : ill  
<https://doi.org/10.1016/j.firesaf.2017.11.003> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**First principle calculations of structural, electronic, optical and thermoelectric properties of tin (II) oxide**

Solola, G. T.; **Klopov, Mihail**; Akinami, J. O.; Afolabi, T. A. Materials research express 2019 / art. 125915, 8 p. : ill  
<https://doi.org/10.1088/2053-1591/ab6384> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**A fish perspective : detecting flow features while moving using an artificial lateral line in steady and unsteady flow**

Chambers, Lily D.; **Ježov, Jaas; Kruusmaa, Maarja** Journal of the Royal Society Interface 2014 / p. 1-13 : ill  
<https://doi.org/10.1098/rsif.2014.0467> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Forecasting available demand-side flexibility**

**Ahmadihangar, Roya; Rosin, Argo; Palu, Ivo**; Azizi, Aydin Demand-side flexibility in smart grid 2020 / p. 39-49  
[https://doi.org/10.1007/978-981-15-4627-3\\_4](https://doi.org/10.1007/978-981-15-4627-3_4) [Journal metrics at Scopus](#) [Article at Scopus](#)

**A formal specification smart-contract language for legally binding decentralized autonomous organizations**

**Dwivedi, Vimal Kumar; Norta, Alexander; Wulf, Alexander; Leiding, Benjamin; Saxena, Sandeep; Udokwu, Chibuzor** IEEE Access 2021 / p. 76069-76082 : ill <https://doi.org/10.1109/ACCESS.2021.3081926> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Formation and characterization of stable TiO<sub>2</sub>/Cu<sub>x</sub>O-based solar cells**

Wisz, Grzegorz; Sawicka-Chudy, Paulina; **Sibinski, Maciej**; Yavorskyi, Rostyslav; Łabuz, Mirosław; Płoch, Dariusz; Bester, Mariusz Materials 2023 / art. 5683, 15 p. : ill <https://doi.org/10.3390/ma16165683> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Formation and trapping of the thermodynamically unfavoured inverted-hemicucurbit[6]uril**

**Prigorchenko, Elena; Kaabel, Sandra; Narva, Triin; Baškir, Anastassia; Fomitšenko, Maria; Adamson, Jasper; Järving, Ivar; Rissanen, Kari; Tamm, Toomas; Aav, Riina** Chemical communications 2019 / p. 9307–9310 : ill <https://doi.org/10.1039/C9CC04990H>  
[Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Formation of Cu<sub>2</sub>ZnSnS<sub>4</sub> absorber layers for solar cells by electrodeposition-annealing route**

**Iljina, Julia; Zhang, R.; Ganchev, Maxim; Raadik, Taavi; Volobujeva, Olga; Altosaar, Mare; Traksmaa, Rainer; Mellikov, Enn** Thin Solid Films 2013 / p. 85 - 89 <https://doi.org/10.1016/j.tsf.2013.04.038> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Formation of fine Mg<sub>2</sub>Si phase in Mg–Si alloy via solid-state sintering using high energy ball milling**

**Seth, Prem Prakash; Singh, Neera; Singh, Manoj; Prakash, Om; Kumar, Devendra** Journal of alloys and compounds 2020 / art. 153205, 10 p. : ill <https://doi.org/10.1016/j.jallcom.2019.153205> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Formation of uniform PVDF fibers under ultrasound exposure in presence of anionic surfactant**

**Tarasova, Elvira; Tamberg, K.-G.; Viirsalu, Mihkel; Savest, Natalja; Gudkova, Viktoria; Krasnou, Illia; Krumme, Andres** Journal of electrostatics 2015 / p. 39-47 : ill <https://doi.org/10.1016/j.elstat.2015.05.004> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Formulation and aerosol jet printing of nickel nanoparticle ink for high-temperature microelectronic applications and patterned graphene growth**

**McKibben, Nicholas; Curtis, Michael; Maryon, Olivia; Sawyer, Mone't; Lazouskaya, Maryna; Eixenberger, Josh; Deng, Zhangxian; Estrada, David** ACS Applied Electronic Materials 2024 / p. 748 - 760 <https://doi.org/10.1021/acsaem.3c01175> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **4.9 % efficient Sb<sub>2</sub>S<sub>3</sub> solar cells from semi-transparent absorbers with fluorene-based thiophene terminated hole conductors**

**Mandati, Sreekanth; Juneja, Nimish; Katerski, Atanas; Jegorove, Aiste; Grzibovskis, Raitis; Vembris, Aivars; Dedova, Tatjana; Spalatu, Nicolae; Magomedov, Artiom; Karazhanov, Smagul; Getautis, Vytautas; Krunk, Malle; Oja Acik, Ilona** ACS Applied Energy Materials 2023 / p. 3822–3833 <https://doi.org/10.1021/acsaem.2c04097> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Fractal and multifractal analysis of complex networks : Estonian network of payments**

**Rendon de la Torre, Stephanie; Kalda, Jaan; Kitt, Robert; Engelbrecht, Jüri** The European physical journal B 2017 / art. 234, p. 1-8 : ill <https://doi.org/10.1140/epjb/e2017-80214-5> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Fractional-order modeling and control of ionic polymer-metal composite actuator**

**Tepljakov, Aleksei; Vunder, Veiko; Petlenkov, Eduard; Nakshatharan, S Sunjai; Punning, Andres; Kaparin, Vadim; Belikov, Juri; Aabloo, Alvo** Smart materials and structures 2019 / 12 p. : ill <https://doi.org/10.1088/1361-665X/ab2c75> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Fracture and Damage to the Material accounting for Transportation Crash and Accident**

**Ridwan; Putranto, Teguh; Laksono, Fajar Budi; Prawobo, Aditya** Rio Procedia Structural Integrity, vol. 27 2020 / p. 38-45 <https://doi.org/10.1016/j.prostr.2020.07.006> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

#### **Fracture description of AZ61 Mg–Al<sub>2</sub>O<sub>3</sub> materials studied by "in situ tensile test in SEM"**

**Besterci, Michal; Nagy, Štefan; Huang, Song-Jeng; Velgosova, Oksana; Sülleiova, Katarina; Kulu, Priit** Engineering materials and tribology : selected, peer reviewed papers from the 24th International Baltic Conference on Engineering Materials & Tribology (BALTMATRIB & IFHTSE 2015), November 5-6, 2015, Tallinn, Estonia 2016 / p. 165-172 : ill <https://doi.org/10.4028/www.scientific.net/KEM.674.165> [Conference Proceedings at Scopus](#) [Article at Scopus](#)

#### **Frequency conversion in lanthanide-doped sol-gel derived materials for energy applications**

**Almeida, Rui M.; Sousa, N.; Rojas Hernandez, Rocio Estefania; Santos, Luis F.** Journal of Sol-Gel science and technology 2020 / p. 520-529 : ill <https://doi.org/10.1007/s10971-020-05289-w> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Frequency-dependent attenuation and phase velocity dispersion of an acoustic wave propagating in the media with damages**

**Stulov, Anatoli; Erofeev, Vladimir** Generalized continua as models for classical and advanced materials 2016 / p. 413-423 [https://doi.org/10.1007/978-3-319-31721-2\\_19](https://doi.org/10.1007/978-3-319-31721-2_19) [Article collection metrics at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

#### **Friction and wear of fiber reinforced polyimide composites**

**Zhao, Gai; Hussainova, Irina; Antonov, Maksim; Wang, Qihua; Wang, Tingmei** Wear 2013 / p. 122-129 : ill <https://doi.org/10.1016/j.wear.2012.12.019> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Friction studies of metal surfaces with various 3D printed patterns tested in dry sliding conditions**

Holovenko, Yaroslav; **Antonov, Maksim; Kollo, Lauri; Hussainova, Irina** Proceedings of the Institution of Mechanical Engineers. Part J, Journal of engineering tribology 2018 / p. 43-53 <https://doi.org/10.1177/1350650117738920> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Friction welding of electron beam melted Ti-6Al-4V**

Qin, P.T.; Damodaram, R.; Maity, Tapabrata; Zhang, W.W.; Yang, C.; Wang, Zhi; **Prashanth, Konda Gokuldoss** Materials Science and Engineering : A 2019 / art. 138045, 6 p. : ill <https://doi.org/10.1016/j.msea.2019.138045> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Full field computing for elastic pulse dispersion in inhomogeneous bars**

**Berezovski, Arkadi;** Kolman, Radek; Berezovski, Mihhail; Gabriel, Dusan; Adámek, V. Composite structures 2018 / p. 388-394 : ill <https://doi.org/10.1016/j.compstruct.2018.07.055> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Functionalization of gamma-alumina nanofibers by alpha-alumina via solution combustion synthesis**

**Aghayan, Marina; Voltšihhin, Nikolai;** Rodriguez, Miguel Angel; Rubio-Marcos, Fernando; **Dong, Minjie; Hussainova, Irina** Ceramics international 2014 / p. 12603-12607 : ill <https://doi.org/10.1016/j.ceramint.2014.04.087> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Functionally graded tunable microwave absorber with graphene-augmented alumina nanofibers**

Shamshirgar, Ali Saffar; **Rojas Hernandez, Rocio Estefania;** Tewari, Girish C.; Fernandez, Jose Francisco; **Ivanov, Roman;** Karpinen, Maarit; **Hussainova, Irina** ACS applied materials & interfaces 2021 / p. 21613-21625 <https://doi.org/10.1021/acsami.1c02899> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Fused hybrid linkers for metal–organic framework-derived bifunctional oxygen electrocatalysts**

**Ping, Kefeng;** Braschinsky, Alan; **Alam, Mahboob; Bhadoria, Rohit; Mikli, Valdek; Mere, Arvo;** Aruväli, Jaan; Paiste, Pääm; Vlassov, Sergei; Kook, Mati; Rähn, Mihkel; Sammelselg, Väino; Tammeveski, Kaido; Kongi, Nadežda; **Starkov, Pavel** ACS Applied Energy Materials 2020 / p. 152–157 : ill <https://doi.org/10.1021/acsaeem.9b02039> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Gas-phase optical fiber photocatalytic reactors for indoor air application : a preliminary study on performance indicators**

**Palmiste, Ülar; Voll, Hendrik** IOP conference series : materials science and engineering 2017 / art. 012055, p. 1-7 <https://doi.org/10.1088/1757-899X/251/1/012055> [Journal metrics at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

### **GeTe2 phase change material for terahertz devices with reconfigurable functionalities using optical activation**

Konnikova, Maria R.; Khomenko, Maxim D.; Tverjanovich, Andrey S.; **Bereznev, Sergei;** Mankova, Anna A.; Parashchuk, Olga D.; Vasilevsky, Ivan S.; Ozheredov, Ilya A.; Shkurinov, Alexander P.; Bychkov, Eugene A. ACS applied materials & interfaces 2023 / p. 9638-9648 <https://doi.org/10.1021/acsami.2c21678> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Gradient microstructure in tantalum formed under the wear track during dry sliding friction**

**Kommel, Lembit; Põdra, Priit; Mikli, Valdek; Omranpour Shahreza, Babak** Wear 2021 / art. 203573, 7 p. : ill <https://doi.org/10.1016/j.wear.2020.203573> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Gradient scattered light method for non-destructive stress profile determination in chemically strengthened glass**

Hödemann, Siim; Valdmann, Andreas; **Anton, Johan;** Murata, Takashi Journal of materials science 2016 / p. 5962-5978 : ill <https://doi.org/10.1007/s10853-016-9897-4> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Grain refinement in laser manufactured Al-based composites with TiB2 ceramic**

Xi, Lixia; Guo, Shuang; Wang, Ruiqi; Ding, Kai; **Prashanth, Konda Gokuldoss** Journal of materials research and technology 2020 / p. 2611–2622 <https://doi.org/10.1016/j.jmrt.2020.04.059> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Graphene-augmented nanofiber scaffolds trigger gene expression switching of four cancer cell types**

Kazantseva, Jekaterina; **Ivanov, Roman;** Gasik, Michael; Neuman, Toomas; **Hussainova, Irina** ACS biomaterials science & engineering 2018 / p. 1622-1629 : ill <https://doi.org/10.1021/acsbiomaterials.8b00228> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Graphene-encapsulated aluminium oxide nanofibers as a novel type of nanofillers for electroconductive ceramics**

**Ivanov, Roman; Hussainova, Irina; Aghayan, Marina; Drozdova, Maria;** Perez-Coll, Domingo; Rodriguez, Miguel Angel; Rubio-Marcos, Fernando Journal of the European Ceramic Society 2015 / p. 4017-4021 : ill <https://doi.org/10.1016/j.jeurceramsoc.2015.06.011> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Grid-connected solar PV power plants optimization: a review**

Zidane, Tekai Eddine Khalil; Aziz, Ali Saleh; **Zahraoui, Younes;** Kotb, Hossam; Aboras, Kareem M.; Kitmo; Jember, Yosef Berhan IEEE Access 2023 / p. 79588-79608 <https://doi.org/10.1109/ACCESS.2023.3299815> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Growth and characterization of Cu<sub>2</sub>Zn<sub>1-x</sub>Fe<sub>x</sub>SnS<sub>4</sub> thin films for photovoltaic applications**

Trifiletti, Vanira; Tseberlidis, Giorgio; Colombo, Mario; Spinardi, Alberto; Luong, Sally; **Danilson, Mati; Grossberg, Maarja**; Fenwick, Oliver; Binetti, Simona Materials 2020 / art. 1471, 13 p. : ill <https://doi.org/10.3390/ma13061471> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Growth and properties of ZnO films on polymeric substrate by spray pyrolysis method**

**Kriisa, Merike; Kärber, Erki; Krunks, Malle; Mikli, Valdek; Unt, Tarmo; Kuk, Mart; Mere, Arvo** Thin solid films 2014 / p. 87-92 : ill <https://doi.org/10.1016/j.tsf.2013.05.150> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Growth dynamics of nanocrystalline diamond films produced by microwave plasma enhanced chemical vapor deposition in methane/hydrogen/air mixture : scaling analysis of surface morphology**

**Podgurski, Vitali; Bogatov, Andrei**; Sedov, V.; Sildos, Ilmo; **Mere, Arvo; Viljus, Mart**; Buijnsters, J. G.; Ralchenko, V. Diamond and related materials 2015 / p. 172-179 : ill <https://doi.org/10.1016/j.diamond.2015.07.002> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Growth of ZnO rods on FTO electrodes by spray pyrolysis**

**Dedova, Tatjana; Volobujeva, Olga; Krunks, Malle; Mikli, Valdek; Gromöko, Inga; Katerski, Atanas; Mere, Arvo** IOP conference series : materials science and engineering 2013 / [4] p. : ill <https://doi.org/10.1088/1757-899X/49/1/012001> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

### **Hardness of multi wall carbon nanotubes reinforced aluminium matrix composites**

Bradbury, Christopher R.; **Gomon, Jaana-Kateriina; Kollo, Lauri**; Kwon, Hansang; Leparoux, Marc Journal of alloys and compounds 2014 / p. 362-367 : ill <https://doi.org/10.1016/j.jallcom.2013.09.142> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Hardness, corrosion behavior, and microstructural characteristics of a selective laser melted 17-4 PH steel : technical note**

Chaitanya, P.; Goud, R.; Raghavan, R.; Ramakrishna, M.; **Prashanth, Konda Gokuldoss; Gollapudi, S.** CORROSION : The Journal of Science and Engineering 2022 / p. 465-472 <https://doi.org/10.5006/3962> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Heat conduction in microstructured solids**

**Berezovski, Arkadi**; Ván, Peter Internal variables in thermoelasticity 2017 / p. 131-145 [https://doi.org/10.1007/978-3-319-56934-5\\_10](https://doi.org/10.1007/978-3-319-56934-5_10) [Article collection metrics at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

### **Heat conductive plates from recycled niobium slag**

**Kulu, Priit; Goljandin, Dmitri; Viljus, Mart; Traksmäa, Rainer; Gregor, Andre** Solid State Phenomena ; 320 2021 / p. 169-175 <https://doi.org/10.4028/www.scientific.net/SSP.320.169> [Conference proceedings at Scopus](#) [Article at Scopus](#)

### **Heat treatment of ultrafine grained high-strength aluminum alloy**

**Pramono, Agus; Kollo, Lauri; Kallip, Kaspar; Veinthal, Renno; Gomon, Jaana-Kateriina** Engineering materials & tribology XXII 2014 / p. 273-276 : ill <https://doi.org/10.4028/www.scientific.net/KEM.604.273> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Conference proceedings at WOS](#) [Article at WOS](#)

### **Hierarchical microstructures and strengthening mechanisms of nano-TiC reinforced CoCrFeMnNi high-entropy alloy composites prepared by laser powder bed fusion**

Chen, Hongyu; Kosiba, Konrad; Lu, Twen; Yao, Ning; Liu, Yang; Wang, Yonggang; **Prashanth, Konda Gokuldoss**; Suryanarayana, Challapalli Journal of Materials Science & Technology 2023 / p. 245-259 : ill <https://doi.org/10.1016/j.jmst.2022.06.053> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Hierarchical nanostructures of ZnO obtained by spray pyrolysis**

**Dedova, Tatjana; Krunks, Malle; Oja Acik, Ilona; Klauson, Deniss; Volobujeva, Olga; Mere, Arvo** Materials chemistry and physics 2013 / p. 69-75 : ill <https://doi.org/10.1016/j.matchemphys.2013.04.026> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **High energy milling of WC-FeCr cemented carbide**

**Tarraste, Marek; Kübarsepp, Jakob; Juhani, Kristjan; Kolnes, Märt; Viljus, Mart** Modern Materials and Manufacturing 2019 : 12th International DAAAM Baltic Conference and 27th International Baltic Conference BALTMATRIB 2019. Selected, peer reviewed papers from the conference Modern Materials and Manufacturing 2019 (MMM 2019), April 24-26, 2019, Tallinn, Estonia 2019 / p. 136-141 : ill <https://www.scientific.net/KEM.799.136> [https://www.ester.ee/record=b5235278\\*est](https://www.ester.ee/record=b5235278*est) <https://doi.org/10.4028/www.scientific.net/KEM.799.136> [Conference proceeding at Scopus](#) [Article at Scopus](#)

### **High fraction of penta-coordinated aluminum and gallium in lanthanum–aluminum–gallium borates**

Turcu, Romulus Valeriu Flaviu; **Samoson, Ago**; Maier, Maria; Trandafir, Diana Louisa; Simon, Simion Journal of the American Ceramic Society 2016 / p. 2795 - 2800 <https://doi.org/10.1111/jace.14265> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#)

[at WOS](#) [Article at WOS](#)

**High pressure torsion induced lowering of Young's modulus in high strength TNZT alloy for bio-implant applications**

Maity, Tapabrata; Balci, Özge; Gammer, C.; Ivanov, E.; Eckert, Jürgen; **Prashanth, Konda Gokuldoss** Journal of the mechanical behavior of biomedical materials 2020 / art. 103839, 10 p. : ill <https://doi.org/10.1016/j.jmbbm.2020.103839> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**High temperature corrosion and remaining lifetime assessment of ferritic steel 13CrMo4-4 tubes in a convective superheater of a CFB oil shale boiler**

**Dedov, Andrei; Klevtsov, Ivan; Lausmaa, Toomas; Bojarinova, Tatjana** Corrosion science 2020 / art. 108311 <https://doi.org/10.1016/j.corsci.2019.108311> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**High temperature corrosion of boiler steels in hydrochloric atmosphere under oil shale ashes**

**Priss, Jelena; Rojacz, Harald; Klevtsov, Ivan; Dedov, Andrei; Winkelmann, Horst; Badisch, Ewald** Corrosion science 2014 / p. 36-44 : ill <https://doi.org/10.1016/j.corsci.2013.12.016> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**High temperature cyclic impact/abrasion testing of boiler steels**

**Priss, Jelena; Klevtsov, Ivan; Dedov, Andrei; Antonov, Maksim; Rojacz, Harald; Badisch, Ewald** Engineering materials & tribology XXII 2014 / p. 289-292 <https://doi.org/10.4028/www.scientific.net/KEM.604.289> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Conference proceedings at WOS](#) [Article at WOS](#)

**High temperature dry sliding wear behaviour of selective laser melted Ti-6Al-4V alloy surfaces**

Praveenkumar, Kesavan; Vishnu, Jithin; Samuel, Calvin; Gopal, Vasanth; Arivarasu, Moganraj; Lackner, Jürgen M.; Meier, Benjamin; Karthik, D.; **Prashanth, Konda Gokuldoss; Yadav, Mayank Kumar** Journal of materials processing technology 2024 / art. 118439, 12 p. : ill <https://doi.org/10.1016/j.jmatprotec.2024.118439> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**High temperature electrical conductivity in undoped ceramic ZnO**

**Lott, Kalju; Nirk, Tiit; Gorokhova, Elena; Türn, Leo; Viljus, Mart; Öpik, Andres; Vishnjakov, A.** Crystal research and technology 2015 / p. 10-14 : ill <https://doi.org/10.1002/crat.201400138> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Conference proceedings at WOS](#) [Article at WOS](#)

**High temperature erosion wear of cermet particles reinforced self-fluxing alloy HVOF sprayed coatings**

**Surženkov, Andrei; Goljandin, Dmitri; Traksmaa, Rainer; Viljus, Mart; Talviste, Kristofer; Aruniit, Aare; Latokartano, Jyrki; Kulu, Priit** Medžiagotyra = Materials science 2015 / p. 386-390 : ill <https://doi.org/10.5755/j01.ms.21.3.7617> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**High temperature erosion-corrosion of wear protection materials**

Varga, Markus; Rojacz, Harald; Widder, Lukas; **Antonov, Maksim** Journal of Bio- and Tribo-Corrosion 2021 / art. 87 <https://doi.org/10.1007/s40735-021-00504-9> [Journal metrics at Scopus](#) [Article at Scopus](#)

**High temperature sliding wear of NiAl-based coatings reinforced by borides**

Umanskyi, Oleksandr; Poliarus, Olena; Ukrainets Maksym; **Antonov, Maksim; Hussainova, Irina** Medziagotyra 2016 / p. 49 - 53 <https://doi.org/10.5755/j01.ms.22.1.8093> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**High temperature tribological properties of Al<sub>2</sub>O<sub>3</sub>/NCD films investigated under ambient air conditions**

**Podgurski, Vitali; Yashin, Maxim; Jõgiaas, Taivo; Viljus, Mart; Alamgir, Asad; Danilson, Mati; Bogatov, Andrei** Coatings 2020 / art. 175, 13 p. : ill <https://doi.org/10.3390/coatings10020175> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**High temperature wear of cermet particle reinforced NiCrBSi hardfacing**

**Zikin, Arkadi; Antonov, Maksim; Hussainova, Irina** Tribology international 2013 / p. 45-55 : ill <https://doi.org/10.1016/j.triboint.2012.08.013> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**High-efficiency internal combustion engine used in the unmanned aircraft**

**Tiimus, Kristjan; Murumäe, Mikk; Väljaots, Eero; Tamre, Mart** Mechatronic systems and materials VI 2015 / p. 928-933 : ill <https://doi.org/10.4028/www.scientific.net/SSP.220-221.928> [Conference proceedings at Scopus](#) [Article at Scopus](#)

**Higher-order Haar wavelet method for vibration analysis of nanobeams**

**Majak, Jüri; Shvartsman, Boris; Ratas, Mart; Bassir, David; Pohlak, Meelis; Karjust, Kristo; Eerme, Martin** Materials today communications 2020 / art. 101290, 6 p. : tab <https://doi.org/10.1016/j.mtcomm.2020.101290> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Highly sensitive conformational switching of ethane-bridged mono-zinc bis-porphyrin as an application tool for rapid monitoring of aqueous ammonia and acetone**

Buccolieri, Alessandro; Manno, D.; Serrano, Aida; Santino, A.; **Hasan, Mohammed; Borovkov, Victor; Giancane, Gabriele**

Sensors and actuators B : chemical 2018 / p. 685-691 : ill <https://doi.org/10.1016/j.snb.2017.11.021> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Highly textured zinc aluminate: Nd, Ce films over sapphire for NIR emitting applications**

**Rojas Hernandez, Rocio Estefania;** Rubio-Marcos, Fernando; Serrano, Aida; Roman-Sanchez, Sara; Fernandez, Jose Francisco; **Hussainova, Irina** Ceramics international 2023 / p. 13125 - 13130 <https://doi.org/10.1016/j.ceramint.2022.12.190> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**High-performance buck-boost partial power quasi-Z-source series resonance converter**

**Abdelrahim Abdelghafour, Omar Mohamed; Chub, Andrii; Mashinchi Maheri, Hamed; Blinov, Andrei; Vinnikov, Dmitri** IEEE Access 2022 / p. 13017-130189 <https://doi.org/10.1109/ACCESS.2022.3225751> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**High-speed thermogravimetric analysis of the combustion of wood and Ca-rich fuel**

**Maaten, Birgit; Konist, Alar; Siirde, Andres** Journal of thermal analysis and calorimetry 2019 / p. 2807–2811 <https://doi.org/10.1007/s10973-019-08785-6> [Teadlased: puidu osakaalu suurendamine fossiilkütustes on üks lahendus](#) [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**High-strength aluminum alloy of ultrafine grained by consolidation-ECAP**

Pramono, Agus; **Kollo, Lauri; Kommel, Lembit; Veinthal, Renno** IOP conference series : materials science and engineering 2019 / art. 012035, 7 p. : ill <https://doi.org/10.1088/1757-899X/478/1/012035> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

**High-temperature erosion of Fe-based coatings reinforced with cermet particles**

**Surženkov, Andrei; Antonov, Maksim; Goljandin, Dmitri; Kulu, Priit; Viljus, Mart; Traksmaa, Rainer; Mere, Arvo** Surface engineering 2016 / p. 624-630 : ill <https://doi.org/10.1080/02670844.2016.1145377> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**High-temperature oxidation resistance and tribological properties of Al<sub>2</sub>O<sub>3</sub>/ta-C coating**

**Alamgir, Asad; Bogatov, Andrei;** Jõgiaas, Taivo; **Viljus, Mart; Raadik, Taavi; Kübarsepp, Jakob; Sergejev, Fjodor;** Lümekemann, Andreas; Kluson, Jan; **Podgurski, Vitali** Coatings 2022 / art. 547 <https://doi.org/10.3390/coatings12040547> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**High-temperature tribological performance of Al<sub>2</sub>O<sub>3</sub>/a-C:H:Si coating in ambient air**

**Podgurski, Vitali; Alamgir, Asad; Yashin, Maxim;** Jõgiaas, Taivo; **Viljus, Mart; Raadik, Taavi; Danilson, Mati; Sergejev, Fjodor;** Lümekemann, Andreas; Kluson, Jan; Sondor, Jozef; **Bogatov, Andrei** Coatings 2021 / art. 495, 15 p. : ill <https://doi.org/10.3390/coatings11050495> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**High-temperature tribological performance of hard multilayer TiN-AlTiN/nAlCo-CrN/AlCrN-AlCrO-AlTiCrN coating deposited on WC-Co substrate**

**Alamgir, Asad; Yashin, Maxim; Bogatov, Andrei; Viljus, Mart; Traksmaa, Rainer;** Sondor, Jozef; Lümekemann, Andreas; **Sergejev, Fjodor; Podgurski, Vitali** Coatings 2020 / art. 909, 10 p. : ill <https://doi.org/10.3390/coatings10090909> [Journal metrics at WOS](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**High-temperature wear performance of hBN-added Ni-W composites produced from combustion-synthesized powders**

**Kumar, Rahul, 1993-; Aydinyan, Sofiya; Ivanov, Roman; Liu, Le; Antonov, Maksim; Hussainova, Irina** Materials 2022 / art. 1252 <https://doi.org/10.3390/ma15031252> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**High-voltage diffusionl welded stacks on the basis of SiC Schottky diodes**

**Korolkov, Oleg; Sleptšuk, Natalja; Annus, Paul; Land, Raul; Rang, Toomas** Silicon carbide and related materials 2015 (ICSRM 2015) : selected, peer reviewed papers from the 16th International Conference on Silicon Carbide and Related Materials, October 4-9, 2015, Giardini Naxos, Italy 2016 / p. 790-794 : ill <https://doi.org/10.4028/www.scientific.net/MSF.858.790> [Conference Proceedings at Scopus](#) [Article at Scopus](#)

**Home energy management systems: A review of the concept, architecture, and scheduling strategies**

Han, Binghui; **Zahraoui, Younes;** Mubin, Marizan; Mekhilef, Saad; Seyedmahmoudian, Mehdi; Stojcevski, Alex IEEE Access 2023 / p. 19999-20025 <https://doi.org/10.1109/ACCESS.2023.3248502> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Hot sliding wear of 88 wt.% TiB-Ti composites from SHS produced powders**

**Kumar, Rahul, 1993-; Liu, Le; Antonov, Maksim; Ivanov, Roman; Hussainova, Irina** Materials 2021 / art. 1242, 14 p.: ill <https://doi.org/10.3390/ma14051242> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Hourly consumption profiles of domestic hot water for different occupant groups in dwellings**

Ahmed, Kaiser; Pylsy, Petri; **Kurnitski, Jarek** Solar energy 2016 / p. 516-530 : ill <https://doi.org/10.1016/j.solener.2016.08.033> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**HVOF sprayed Fe-Based wear-resistant coatings with carbide reinforcement, synthesized in situ and by mechanically activated synthesis**

Tkachivskyi, Dmytro; Juhani, Kristjan; Surženkov, Andrei; Kulu, Priit; Antonov, Maksim; Goljandin, Dmitri Coatings 2020 / art. 1092, 15 p. : ill <https://doi.org/10.3390/coatings10111092> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Hybrid graphene/alumina nanofibers for electroconductive zirconia**

Drozdova, Maria; Perez-Coll, Domingo; Aghayan, Marina; Ivanov, Roman; Rodriguez, Miguel Angel; Hussainova, Irina Engineering materials and tribology : selected, peer reviewed papers from the 24th International Baltic Conference on Engineering Materials & Tribology (BALTMATRIB & IFHTSE 2015), November 5-6, 2015, Tallinn, Estonia 2016 / p. 15-20 : ill <https://doi.org/10.4028/www.scientific.net/KEM.674.15> [Conference Proceedings at Scopus](#) [Article at Scopus](#)

**Hybrid graphene-ceramic nanofibre network for spontaneous neural differentiation of stem cells**

Kazantseva, Jekaterina; Hussainova, Irina; Ivanov, Roman; Neumann, Toomas; Gasik, Michael Interface focus 2018 / 6 p. : ill <https://doi.org/10.1098/rsfs.2017.0037> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Hybrid metal-ceramic biomaterials fabricated through powder bed fusion and powder metallurgy for improved impact resistance of craniofacial implants**

Rahmani Ahranjani, Ramin; Kamboj, Nikhil Kumar; Brojan, Miha; Antonov, Maksim; Prashanth, Konda Gokuldoss Materialia 2022 / art. 101465 <https://doi.org/10.1016/j.mtla.2022.101465> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Hybrid syntactic foams of metal - fly ash cenosphere - clay**

Shishkin, Andrei; Mironovs, Viktors; Zemchenkov, Vjacheslav; Antonov, Maksim; Hussainova, Irina Engineering materials and tribology : selected, peer reviewed papers from the 24th International Baltic Conference on Engineering Materials & Tribology (BALTMATRIB & IFHTSE 2015), November 5-6, 2015, Tallinn, Estonia 2016 / p. 35-40 : ill <https://doi.org/10.4028/www.scientific.net/KEM.674.35> [Conference Proceedings at Scopus](#) [Article at Scopus](#)

**Hydroacoustic and pressure turbulence analysis for the assessment of fish presence and behavior upstream of a vertical trash rack at a run-of-river hydropower plant**

Schmidt, Marc B.; Tuhtan, Jeffrey Andrew; Schletterer, Martin Applied sciences 2018 / art. 1723, 20 p. : ill <https://doi.org/10.3390/app8101723> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Hydrogen effects in equiatomic CrFeNiMn alloy fabricated by laser powder bed fusion**

Yang, Xuan; Yagodzinskyy, Yuriy; Ge, Yanling; Lu, Eryang; Lehtonen, Joonas; Kollo, Lauri; Hannula, Simo-Pekka Metals 2021 / art. 872 <https://doi.org/10.3390/met11060872> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Hygrothermal performance of a brick wall with interior insulation in cold climate : vapour open vs vapour tight approach**

Klõšeiko, Paul; Kalamees, Targo Journal of building physics 2022 / p. 3-35 : ill <https://doi.org/10.1177/17442591211056067> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Hygrothermal performance of internally insulated brick wall in cold climate : a case study in a historical school building**

Klõšeiko, Paul; Arumägi, Endrik; Kalamees, Targo Journal of building physics 2015 / p. 444-464 : ill <https://doi.org/10.1177/1744259114532609> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Hysteresis current control with distributed shoot-through states for impedance source inverters**

Husev, Oleksandr; Chub, Andrii; Romero-Cadaval, Enrique; Roncero-Clemente, Carlos; Vinnikov, Dmitri International journal of circuit theory and applications 2016 / p. 783-797 : ill <https://doi.org/10.1002/cta.2106> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Hysteresis measurements and numerical losses segregation of additively manufactured silicon steel for 3D printing electrical machines**

Tiismus, Hans; Kallaste, Ants; Belahcen, Anouar; Vaimann, Toomas; Rassõlkin, Anton; Lukichev, Dmitry Applied sciences 2020 / art. 6515, 15 p <https://doi.org/10.3390/app10186515> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Identification and location of PD defects in medium voltage underground power cables using high frequency current transformer**

Shafiq, Muhammad; Kiitam, Ivar; Taklaja, Paul; Kütt, Lauri; Kauhaniemi, Kimmo; Palu, Ivo IEEE Access 2019 / art. 8771171, p. 103608 - 103618 : ill <https://doi.org/10.1109/ACCESS.2019.2930704> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Identification of excitons and biexcitons in Sb<sub>2</sub>Se<sub>3</sub> under high photoluminescence excitation density**

Krustok, Jüri; Kondrotas, Rokas; Nedzinskas, Ramunas; Timmo, Kristi; Kaupmees, Reelika; Mikli, Valdek; Grossberg, Maarja Advanced optical materials 2021 / 8 p. : ill <https://doi.org/10.1002/adom.202100107> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### Identification of seismic signals at the output of large ring laser gyroscope

**Tari, J.B.;** Eno, N.A Earth Observing Systems XXIII, 21-23 August 2018, San Diego, California, United States 2018 / art. 107641M, 11 p. : ill <https://doi.org/10.1117/12.2320614> [Conference proceeding at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

#### Impact of 1-butyl-3-methylimidazolium chloride on the electrospinning of cellulose acetate nanofibers

**Javed, Kashif; Krumme, Andres; Krasnou, Illia; Mikli, Valdek; Viirsalu, Mihkel; Plamus, Tiia; Vassiljeva, Viktoria; Tarasova, Elvira; Savest, Natalja;** Mendez, James D. Journal of macromolecular science, part A : pure and applied chemistry 2018 / p. 142-147 : ill <https://doi.org/10.1080/10601325.2017.1387861> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### Impact of alkali and silane treatment on hemp/PLA composites' performance : from micro to macro scale

**Alao, Percy Festus;** Marrot, Laetitia; Burnard, Michael David; Lavrič, Gregor; **Saarna, Mart; Kers, Jaan** Polymers 2021 / art. 851, 18 p. : ill <https://doi.org/10.3390/polym13060851> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### Impact of CdS annealing atmosphere on the performance of CdS-CdTe solar cell

**Maticiu, Natalia; Spalatu, Nicolae; Mikli, Valdek; Hiie, Jaan** Applied surface science 2015 / p. 14-18 : ill <https://doi.org/10.1016/j.apsusc.2015.01.172> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### Impact of Cu<sub>2</sub>ZnSn(SexS<sub>1-x</sub>)<sub>4</sub> (x=0.3) compositional ratios on the monograin powder properties and solar cells

**Muska, Katri; Kauk-Kuusik, Marit; Grossberg, Maarja; Altosaar, Mare; Pilvet, Maris; Varema, Tiit; Timmo, Kristi; Volobujeva, Olga; Mere, Arvo** Thin solid films 2013 / p. 35-38 : ill <https://doi.org/10.1016/j.tsf.2012.10.031> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### Impact of fuel quantity on luminescence properties of Sr<sub>3</sub>Al<sub>2</sub>O<sub>6</sub> : Eu by combustion synthesis

**Barbosa, Williams; Álvarez-Docio, C. M.; Garcia-Carrodegua, R.; Fook, M. V. L.; Rojas Hernandez, Rocio Estefania;** Rodríguez, M. A. Cerâmica 2023 / p. 17-22 <https://doi.org/10.1590/0366-69132023693893379> [Journal metrics at Scopus](#) [Article at Scopus](#)

#### Impact of Li and K co-doping on the optoelectronic properties of CZTS monograin powder

**Muska, Katri; Timmo, Kristi; Pilvet, Maris; Kaupmees, Reelika; Raadik, Taavi; Mikli, Valdek; Grossberg-Kuusk, Maarja; Krustok, Jüri; Josepson, Raavo;** Lange, Sven; **Kauk-Kuusik, Marit** Solar energy materials and solar cells 2023 / art. 112182 : ill <https://doi.org/10.1016/j.solmat.2023.112182> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### The impact of microstructural refinement on the tribological behavior of niobium processed by Indirect Extrusion Angular Pressing

**Omranpour Shahreza, Babak;** Hernandez-Rodriguez, Marco A. L.; Hernandez-Rodriguez, Edgar; **Kommel, Lembit; Sergejev, Fjodor** Tribology international 2022 / art. 107412 <https://doi.org/10.1016/j.triboint.2021.107412> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### Impact of pulsed deuterium plasma irradiation on dual-phase tungsten alloys

**Tökke, Siim; Laas, Tõnu; Priimets, Jaanis; Mikli, Valdek; Antonov, Maksim** Fusion engineering and design 2021 / art. 112215, 10 p. : ill <https://doi.org/10.1016/j.fusengdes.2020.112215> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### Impact of the selenisation temperature on the structural and optical properties of CZTSe absorbers

**Marquez-Prieto, J.; Yakushev, M.V.; Forbes, I.; Krustok, Jüri** Solar energy materials and solar cells 2016 / p. 42-50 : ill <https://doi.org/10.1016/j.solmat.2016.03.018> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### Impact of vacuum and nitrogen annealing on HVE SnS photoabsorber films

**Revathi, Naidu; Looits, Mihkel; Kärber, Erki; Volobujeva, Olga; Raudoja, Jaan; Maticiu, Natalia; Bereznev, Sergei; Mellikov, Enn** Materials science in semiconductor processing 2017 / p. 252-257 : ill <https://doi.org/10.1016/j.mssp.2017.08.004> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### Impact of weft yarn density and core-yarn fibre composition on tensile properties, abrasion resistance and air permeability of denim fabrics

**Mandre, Nele; Plamus, Tiia; Krumme, Andres** Materials science 2021 / p. 483-491 : ill <https://doi.org/10.5755/j02.ms.27532> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### Impact pressure on mechanical properties of aluminum based composite by ECAP-parallel channel

**Pramano, Agus; Dhoska, Klodian; Markja, Irida; Kommel, Lembit** Pollack periodica 2019 / p. 67-74 <https://doi.org/10.1556/606.2019.14.1.7> [Journal metrics at Scopus](#) [Article at Scopus](#)

#### Implementation of parallel operations over streams in extensible processing platforms

**Sklyarov, Valery; Sklyarova, Ioulia; Rjabov, Artjom; Sudnitsön, Aleksander** 2013 IEEE 56th International Midwest Symposium on Circuits and Systems (MWSCAS) : August 4-7, 2013, Columbus, Ohio : [proceedings] 2013 / p. 852-855 : ill <https://doi.org/10.1109/MWSCAS.2013.6674783> [Conference Proceedings at Scopus](#) [Article at Scopus](#)

**Implementing a sol-gel route to adjust the structural and dielectric characteristics of Bi and Fe co-doped BaTiO<sub>3</sub> ceramics**  
Gouadria, Hamida; Mourad, Smari; Mnasri, Taoufik; **Necib, Jallouli**; López Sánchez, Jesús; Marín, Pilar; Jamale, Atul P.; Ben Younes, Rached Inorganic chemistry communications 2023 / art. 110241 <https://doi.org/10.1016/j.inoche.2022.110241> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Importance of molecular symmetry for enantiomeric excess recognition by NMR**  
Norvaiša, Karolis; O'Brien, John E.; **Osadchuk, Irina**; Twamley, Brendan; **Borovkov, Victor**; Senge, Mathias O. Chemical communications 2022 / p. 5423-5426 <https://doi.org/10.1039/D2CC01319C> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Importance of the micro-lattice structure of selective laser melting processed Mo/Mo(x)S(x+1) composite: Corrosion studies on the electrochemical performance in aqueous solutions**  
Alinejadian, Navid; Kazemi, Sayed Habib; **Grossberg-Kuusk, Maarja**; **Kollo, Lauri**; Odnevall, Inger Charlotta; **Prashanth, Konda Gokuldoss** Materials today chemistry 2022 / art. 101219 <https://doi.org/10.1016/j.mtchem.2022.101219> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Improved amorphous silicon passivation layer for heterojunction solar cells with post-deposition plasma treatment**  
Neumüller, Alex; Sergeev, Oleg; Heise, Stephan J.; **Bereznev, Sergei**; **Volobujeva, Olga** Nano energy 2018 / p. 228-235 : ill <https://doi.org/10.1016/j.nanoen.2017.11.053> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**An improved constitutive model for short fibre reinforced cementitious composites (SFRC) based on the orientation tensor**  
**Herrmann, Heiko** Generalized continua as models for classical and advanced materials 2016 / p. 213-227 [https://doi.org/10.1007/978-3-319-31721-2\\_10](https://doi.org/10.1007/978-3-319-31721-2_10) [Article collection metrics at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

**Improved electrodeposition of CdS layers in presence of activating H<sub>2</sub>SeO<sub>3</sub> microadditive**  
**Maricheva, Jelena**; **Bereznev, Sergei**; **Naidu, Revathi**; **Maticiuc, Natalia**; **Mikli, Valdek**; **Kois, Julia** Materials science in semiconductor processing 2016 / p. 14-19 : ill <https://doi.org/10.1016/j.mssp.2016.06.013> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Improving Arabic text to image mapping using a robust machine learning technique**  
Zakraoui, Jezia; Elloumi, Samir; Alja'am, Jihad Mohamad; **Ben Yahia, Sadok** IEEE Access 2019 / p. 18772 - 18782 : ill <https://doi.org/10.1109/ACCESS.2019.2896713> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Improving the oxygen barrier of polyamide food packaging by using nanoclay**  
Paara, Tõnis; Lange, Sven; Saal, Kristjan; Lõhmus, Rünno; **Krumme, Andres**; Mändar, Hugo Materials science = Medžiagotyra 2022 / p. 217-223 <https://doi.org/10.5755/j02.ms.28868> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**In situ fabrication of TiC-NiCr cermets by selective laser melting**  
Aramian, Atefeh; Sadeghian, Zohreh; **Prashanth, Konda Gokuldoss**; Berto, Filippo International journal of refractory metals and hard materials 2020 / art. 105171, 8 p. : ill <https://doi.org/10.1016/j.ijrmhm.2019.105171> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**In situ Mo(Si,Al)<sub>2</sub>-based composite through selective laser melting of a MoSi<sub>2</sub>-30 wt.% AlSi10Mg mixture**  
**Minasyan, Tatevik**; **Aydinyan, Sofiya**; Toyserkani, Ehsan; **Hussainova, Irina** Materials 2020 / art. 3720 ; 13 p <https://doi.org/10.3390/ma13173720> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**In situ production of low-modulus Ti-Nb alloys by selective laser melting and their functional assessment toward orthopedic applications**  
Singh, Neera; Srikanth, K. P.; Gopal, Vasanth; Rajput, Monika; Manivasagam, Geetha; **Prashanth, Konda Gokuldoss** Journal of Materials Chemistry B 2024 / p. 5982-5993 : ill <https://doi.org/10.1039/D4TB00379A> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**In vitro corrosion behavior of selective laser melted Ti-35Nb-7Zr-5Ta**  
Ummethala, Raghunandan; Jayaraj, Jayamani; Karamched, Phani S.; Rathinavelu, Sokkalingam; Singh, Neera; Surreddi, Kumar Babu; **Prashanth, Konda Gokuldoss** Journal of Materials Engineering and Performance 2021 / p. 7967-7978 <https://doi.org/10.1007/s11665-021-05940-9> [Journal metric at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**In-depth feature selection for the statistical machine learning-based botnet detection in IoT networks**  
**Kalakoti, Rajesh**; **Nömm, Sven**; **Bahsi, Hayretin** IEEE Access 2022 / p. 94518-94535 <https://doi.org/10.1109/ACCESS.2022.3204001> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Indoor hygrothermal loads for the deterministic and stochastic design of the building envelope for dwellings in cold climates**  
**Ilomets, Simo**; **Kalamees, Targo**; Vinha, Juha Journal of building physics 2018 / p. 547-577 : ill

**Induction brazing of cermets to steel and eddy current testing of joint quality**

**Laansoo, Andres; Kübarsepp, Jakob; Surženkov, Andrei; Land, Raul; Märtens, Olev; Viljus, Mart** Welding in the World 2020 / p. 563–571 <https://doi.org/10.1007/s40194-020-00854-x> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

**Industrial approach to circularity of polymer composites : processing, characterization, mechanical testing, and wear regression**

**Hussain, Abrar; Podgurski, Vitali; Goljandin, Dmitri; Antonov, Maksim** Journal of reinforced plastics and composites 2024 / p. 456–472 : ill <https://doi.org/10.1177/07316844231164563> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

**Influence of alkali iodide fluxes on Cu<sub>2</sub>ZnSnS<sub>4</sub> monograin powder properties and performance of solar cells**

**Timmo, Kristi; Pilvet, Maris; Muska, Katri; Altosaar, Mare; Mikli, Valdek; Kaupmees, Reelika; Josepson, Raavo; Krustok, Jüri; Grossberg-Kuusk, Maarja; Kauk-Kuusik, Marit** Materials advances 2023 / p. 4509–4519 : ill <https://doi.org/10.1039/D3MA00444A> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

**Influence of A-site modifications on the properties of La<sub>0.21</sub>Sr<sub>0.74</sub>–xCaxTi<sub>0.95</sub>Fe<sub>0.05</sub>O<sub>3–δ</sub> based fuel electrode for solid oxide cell**

**Paydar, Sara; Kooser, Kuno; Möller, Priit; Volobujeva, Olga; Granroth, Sari; Lust, Enn; Nurk, Gunnar** Journal of The Electrochemical Society 2023 / art. 054502, 10 p. : ill <https://doi.org/10.1149/1945-7111/acd084> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

**The influence of carbonation process on concrete bridges and durability in Estonian practice**

**Liisma, Eneli; Sein, Sander; Järvpõld, M.** IOP conference series : materials science and engineering 2017 / art. 012072, 7 p. : ill <https://doi.org/10.1088/1757-899X/251/1/012072> Journal metrics at Scopus Article at Scopus Article at WOS

**Influence of cellulose stearate (CS) content on thermal and rheological properties of poly(lactic acid)/CS composites**

**Šumigin, Dmitri; Tarasova, Elvira; Krumme, Andres; Viikna, Anti** Baltic Polymer Symposium 2013 / p. 99–104 <https://doi.org/10.4028/www.scientific.net/KEM.559.99> Conference Proceedings at Scopus Article at Scopus Conference Proceedings at WOS Article at WOS

**Influence of Cr, Ti and Zr oxides formation on high temperature sliding of NiAl-based plasma spray coatings**

**Poliarus, Olena; Umanskyi, Oleksandr; Ukrainets, Maksym; Kostenko, Oleksii; Antonov, Maksim; Hussainova, Irina** Engineering materials and tribology : selected, peer reviewed papers from the 24th International Baltic Conference on Engineering Materials & Tribology (BALTMATRIB & IFHTSE 2015), November 5–6, 2015, Tallinn, Estonia 2016 / p. 308–312 : ill <https://doi.org/10.4028/www.scientific.net/KEM.674.308> Conference Proceedings at Scopus Article at Scopus

**Influence of Cu<sub>2</sub>S, SnS and Cu<sub>2</sub>ZnSnSe<sub>4</sub> on optical properties of Cu<sub>2</sub>ZnSnS<sub>4</sub>**

**Mamedov, D.; Klopov, Mihhail; Karazhanov, S. Zh.** Materials letters 2017 / p. 70–72 : ill <https://doi.org/10.1016/j.matlet.2017.05.069> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

**Influence of different reinforcing particles on the scratch resistance and microstructure of different WC–Ni composites**

**Marou Alzouma, O.; Azman, M.-A.; Yung, Der-Liang; Fridrici, V.; Kapsa, Ph.** Wear 2016 / p. 130–135 : ill <https://doi.org/10.1016/j.wear.2016.02.011> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

**Influence of laser hardening to the sliding wear resistance of the PVD (Al,Ti)N-G and nACo® coatings**

**Surženkov, Andrei; Adoberg, Eron; Antonov, Maksim; Sergejev, Fjodor; Mikli, Valdek; Viljus, Mart; Latokartano, Jyrki; Kulu, Priit** Engineering materials & tribology XXII 2014 / p. 28–31 <https://doi.org/10.4028/www.scientific.net/KEM.604.28> Conference proceedings at Scopus Article at Scopus Conference proceedings at WOS Article at WOS

**Influence of magnetic forces and magnetostriction on the vibration behavior of an induction motor**

**Sathyan, Sabin; Aydin, Ugur; Lehtikoinen, Antti; Belahcen, Anouar; Vaimann, Toomas; Kataja, Juhani** International journal of applied electromagnetics and mechanics 2019 / p. 825–834 <https://doi.org/10.3233/JAE-171045> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

**Influence of microstructure on thermoelastic wave propagation**

**Berezovski, Arkadi; Ván, Peter** Internal variables in thermoelasticity 2017 / p. 163–172 [https://doi.org/10.1007/978-3-319-56934-5\\_12](https://doi.org/10.1007/978-3-319-56934-5_12) Article collection metrics at Scopus Article at Scopus Article at WOS

**Influence of nonlinearity**

**Berezovski, Arkadi; Ván, Peter** Internal variables in thermoelasticity 2017 / p. 113–120 [https://doi.org/10.1007/978-3-319-56934-5\\_8](https://doi.org/10.1007/978-3-319-56934-5_8) Article collection metrics at Scopus Article at Scopus Article at WOS

**Influence of order-disorder in Cu<sub>2</sub>ZnSnS<sub>4</sub> powders on the performance of monograin layer solar cells**

**Timmo, Kristi; Kauk-Kuusik, Marit; Pilvet, Maris; Raadik, Taavi; Altosaar, Mare; Danilson, Mati; Grossberg, Maarja; Raudoja, Jaan;** Ernits, Kaia Thin solid films 2017 / p. 122-126 : ill <https://doi.org/10.1016/j.tsf.2016.10.017> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Influence of post-UV/ozone treatment of ultrasonic-sprayed zirconium oxide dielectric films for a low-temperature oxide thin film transistor**

**Oluwabi, Abayomi Titilope;** Gaspar, Diana; **Katerski, Atanas; Mere, Arvo; Krunks, Malle;** Pereira, Luis; **Oja Acik, Ilona** Materials 2020 / art. 6, 14 p. : ill <https://doi.org/10.3390/ma13010006> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Influence of powder characteristics on processability of AlSi12 alloy fabricated by selective laser melting**

Baitimerov, Rustam; Lykov, Pavel; Zhrebtsov, Dmitry; Radionova, Ludmila; Shults, Alexey; **Prashanth, Konda Gokuldoss** Materials 2018 / art. 742, 14 p. : ill <https://doi.org/10.3390/ma11050742> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Influence of precursor zirconium carbide powders on the properties of the spark plasma sintered ceramic composite materials**

**Voltsihhin, Nikolai; Hussainova, Irina;** Hannula, Simo-Pekka; **Viljus, Mart** Developments in Strategic Materials and Computational Design IV 2014 / p. 297-308 : ill <https://doi.org/10.1002/9781118807743> [Conference proceedings at Scopus](#) [Article at Scopus](#)

**Influence of preparation process on morphology and conductivity of carbon black-based electrospun nanofibers**

**Tarasova, Elvira; Byzova, Arina; Savest, Natalja; Viirsalu, Mihkel; Gudkova, Viktoria; Märtson, Triin; Krumme, Andres** Fullerenes, nanotubes and carbon nanostructures 2015 / p. 695-700 : ill <https://doi.org/10.1080/1536383X.2014.974090> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Influence of protic ionic liquid-based flame retardant on the flammability and water sorption of alkalized hemp fiber-reinforced PLA composites**

**Alao, Percy Festus; Press, Raimond;** Ruponen, Jussi; **Mikli, Valdek; Kers, Jaan** Polymers 2023 / art. 3661 <https://doi.org/10.3390/polym15183661> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Influence of severe straining and strain rate on the evolution of dislocation structures during micro-/nanoindentation in high entropy lamellar eutectics**

Maity, Tapabrata; **Prashanth, Konda Gokuldoss;** Balci, Özge International journal of plasticity 2018 / p. 121-136 : ill <https://doi.org/10.1016/j.ijplas.2018.05.012> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Influence of slot wedge material on permanent magnet losses in a traction motor with tooth coil windings**

Lindh, Pia; **Vaimann, Toomas; Kallaste, Ants;** Pyrhönen, Juha; **Vinnikov, Dmitri;** Naumanen, Ville International journal of applied electromagnetics and mechanics 2013 / p. 227-236 : ill <https://doi.org/10.3233/JAE-131659> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Influence of solution composition on sprayed ZnO nanorods properties and formation process: Thermoanalytical study of the precursors**

**Dedova, Tatjana; Oja Acik, Ilona; Polivtseva, Svetlana; Krunks, Malle; Gromōko, Inga; Tõnsuaadu, Kaia; Mere, Arvo** Ceramics international 2019 / p. 2887-2892 : ill <https://doi.org/10.1016/j.ceramint.2018.07.274> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Influence of the copper content on the optical properties of CZTSe thin films**

Yakushev, M. V.; Sulimov, M. A.; Marquez-Prieto, J.; Forbes, I.; **Krustok, Jüri** Solar energy materials and solar cells 2017 / p. 69-77 : ill <https://doi.org/10.1016/j.solmat.2017.04.022> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Influence of the flow of self-compacting steel fiber reinforced concrete on the fiber orientations, a report on work in progress**

**Herrmann, Heiko; Goidyk, Oksana; Braunbrück, Andres** Short fibre reinforced cementitious composites and ceramics 2019 / p. 97-110 [https://doi.org/10.1007/978-3-030-00868-0\\_7](https://doi.org/10.1007/978-3-030-00868-0_7) [Article collection metrics at Scopus](#) [Article at Scopus](#)

**Influence of the interface on the photoluminescence properties in ZnO carbon-based nanohybrids**

**Rauwel, Erwan;** Galeckas, Augustinas; Rosario Soares, M.; **Rauwel, Protima** Journal of physical chemistry C 2017 / p. 14879-14887 : ill <https://doi.org/10.1021/acs.jpcc.7b03070> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Influence of the interlayer temperature on structure and properties of CMT wire arc additive manufactured NiTi structures**

Singh, Shalini; Palani, Iyampurmal Anand; Dehgahi, Shirin; Paul, Christ Prakash; **Prashanth, Konda Gokuldoss;** Jawad Qureshi, Ahmed Jawad Journal of Alloys and Compounds 2023 / art. 171447, 10 p. <https://doi.org/10.1016/j.jallcom.2023.171447> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Influence of the post-granulation treatment on the thermal behaviour and leachability characteristics of Estonian oil shale ashes**

**Kaljuvee, Tiit; Jefimova, Jekaterina;** Loide, Valli; **Uibu, Mai; Einard, Marve** Journal of thermal analysis and calorimetry 2018 / p. 47–57 : ill <https://doi.org/10.1007/s10973-017-6875-2> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**The influence of thermal dilution on the microstructure evolution of some combustion-synthesized refractory ceramic composites**

**Aydinyan, Sofiya;** Kharatyan, Suren; **Hussainova, Irina** Crystals 2022 / art. 59 <https://doi.org/10.3390/cryst12010059> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Influence of waste products from electricity and cement industries on the thermal behaviour of Estonian clay from Kunda deposit**

**Kaljuvee, Tiit;** Štubna, Igor; Hulan, Tomaš; Csaki, Štefan; **Uibu, Mai; Jefimova, Jekaterina** Journal of thermal analysis and calorimetry 2019 / p. 2635–2650 : ill <https://doi.org/10.1007/s10973-019-08319-0> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**An Initial report on the effect of the fiber orientation on the fracture behavior of steel fiber reinforced self-compacting concrete**

**Herrmann, Heiko; Braunbrück, Andres; Tuisk, Tanel; Goidyk, Oksana; Naar, Hendrik** Short fibre reinforced cementitious composites and ceramics 2019 / p. 33-50 [https://doi.org/10.1007/978-3-030-00868-0\\_3](https://doi.org/10.1007/978-3-030-00868-0_3) [Article collection metrics at Scopus](#) [Article at Scopus](#)

**Inkjet-printed hybrid conducting polymer-activated carbon aerogel linear actuators driven in an organic electrolyte**

Põldsalu, Inga; Harjo, Madis; Tamm, Tarmo; **Uibu, Mai;** Peikolainen, Anna-Liisa; Kiefer, Rudolf Sensors and actuators B : chemical 2017 / p. 44-51 : ill <https://doi.org/10.1016/j.snb.2017.04.138> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Innovative fibreless HVAC duct silencer based on microperforated elements**

**Villau, Margus; Rämmal, Hans; Lavrentjev, Jüri** Materials today: proceedings 2021 / 7 p. : ill <https://doi.org/10.1016/j.matpr.2021.06.201> [Journal metrics at Scopus](#) [Article at Scopus](#)

**In-situ deposition of gold nanoparticles onto different substrates by chemical spray pyrolysis**

**Oja Acik, Ilona; Oyekoya, Gboyega Nathaniel; Mere, Arvo; Katerski, Atanas; Mikli, Valdek; Krunk, Malle** IOP conference series : materials science and engineering 2015 / 5 p. : ill <https://doi.org/10.1088/1757-899X/77/1/012009> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

**Instability of low-moisture carrageenans as affected by water vapor sorption at moderate storage temperatures**

Friedenthal, Margus; **Eha, Kairit;** Kaleda, Aleksei; Part, Natalja; **Laos, Katrin** SN Applied Sciences 2020 / art. 243, 6 p. : ill <https://doi.org/10.1007/s42452-020-2032-9> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Instead of introduction**

**Berezovski, Arkadi;** Ván, Peter Internal variables in thermoelasticity 2017 / p. 1-18 [https://doi.org/10.1007/978-3-319-56934-5\\_1](https://doi.org/10.1007/978-3-319-56934-5_1) [Article collection metrics at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

**Interaction of CuCl<sub>2</sub> with poly(ethylene glycol) under microwave radiation**

Tverjanovich, Andrey; Grevtsev, A. S.; **Bereznev, Sergei** Materials research express 2017 / art. 015006, p. 1-6 : ill <https://doi.org/10.1088/2053-1591/aa52d0> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Interaction of firefly luciferase and silver nanoparticles and its impact on enzyme activity**

**Käkinen, Aleksandr;** Ding, Feng; Chen, Pengyu; Mortimer, Monika; Kahru, Anne; Ke, Pu Chun Nanotechnology 2013 / art. 345101 <https://doi.org/10.1088/0957-4484/24/34/345101> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**The interaction pathway in the mechano-ultrasonically assisted and carbon-nanotubes augmented nickel-aluminum system**

Nazaretyan, Khachik; Kirakosyan, Hasmik; **Volobujeva, Olga; Aydinyan, Sofiya** Metals 2022 / art. 436 <https://doi.org/10.3390/met12030436> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Interface development for digital twin of an electric motor based on empirical performance model**

**Rassõlkin, Anton; Rjabtšikov, Viktor; Kuts, Vladimir; Vaimann, Toomas; Kallaste, Ants; Asad, Bilal; Partyshev, Andriy** IEEE Access 2022 / p. 15635-15643 <https://doi.org/10.1109/ACCESS.2022.3148708> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Interfaces in micromorphic materials : wave transmission and reflection with numerical simulations**

**Berezovski, Arkadi;** Giorgio, Ivan; Della Corte, Alessandro Mathematics and mechanics of solids 2016 / p. 37-51 : ill <https://doi.org/10.1177/1081286515572244> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Interfacial structure and wear properties of selective laser melted Ti/(TiC+TiN) composites with high content of**

## reinforcements

Xi, Lixia; Ding, Kai; Gu, Dongdong; Guo, Shuang; Cao, Mengzhen; Zhuang, Jie; Lin, Kaijie; Okulov, Ilya; Sarac, Baran; Eckert, Jürgen; **Prashanth, Konda Gokuldoss** Journal of alloys and compounds 2021 / art. 159436, 9 p.: ill

<https://doi.org/10.1016/j.jallcom.2021.159436> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

## Interference and priority aware coexistence (IPC) algorithm for link scheduling in IEEE 802.15.6 based WBANs

Khan, Fawad Nawaz; Ahmad, Rizwan; Ahmed, Waqas; **Alam, Muhammad Mahtab**; Driberg, Micheal IEEE Access 2019 / art. 8910561, p. 168736–168751 : ill [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

## Intermolecular interaction of thermoresponsive poly(2-isopropyl-2-oxazoline) in solutions and interpolymer complex with fiber-forming polyethylene oxide

Amirova, Alina; Rodchenko, Serafim; Kurlykin, Mikhail; Tenkovtsev, Andrey; **Krasnou, Illia**; **Krumme, Andres**; Filippov, Alexander Journal of applied polymer science 2020 / art. 49708, 8 p <https://doi.org/10.1002/app.49708> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

## Internal variables and microinertia

**Berezovski, Arkadi**; Ván, Peter Internal variables in thermoelasticity 2017 / p. 75-84 [https://doi.org/10.1007/978-3-319-56934-5\\_5](https://doi.org/10.1007/978-3-319-56934-5_5) [Article collection metrics at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

## Internal variables associated with microstructures in solids

**Berezovski, Arkadi** Mechanics research communications 2018 / p. 30-34 <https://doi.org/10.1016/j.mechrescom.2017.07.011> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

## Internal variables representation of generalized heat equations

**Berezovski, Arkadi** Continuum mechanics and thermodynamics 2019 / p. 1733–1741 <https://doi.org/10.1007/s00161-018-0729-4> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

## Internal variables used for describing the signal propagation in axons

**Engelbrecht, Jüri**; **Tamm, Kert**; **Peets, Tanel** Continuum mechanics and thermodynamics 2020 / p. 1619-1627 <https://doi.org/10.1007/s00161-020-00868-2> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

## Introducing interlayer electrolytes : toward room-temperature high-potential solid-state rechargeable fluoride ion batteries

**Mohammad, Irshad**; **Witter, Raiker**; **Fichtner, Maximilian**; **Reddy, M. Anji** ACS Applied Energy Materials 2019 / p. 1553–1562 : ill <https://doi.org/10.1021/acsam.8b02166> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

## Introduction

**Berezovski, Arkadi**; Ván, Peter Internal variables in thermoelasticity 2017 / p. 21-33 [https://doi.org/10.1007/978-3-319-56934-5\\_2](https://doi.org/10.1007/978-3-319-56934-5_2) [Article collection metrics at Scopus](#) [Article at Scopus](#)

## Investigating different sources of flexibility in power system

**Ahmadihangar, Roya**; **Rosin, Argo**; **Palu, Ivo**; Azizi, Aydin Demand-side flexibility in smart grid 2020 / p. 27-37 [https://doi.org/10.1007/978-981-15-4627-3\\_3](https://doi.org/10.1007/978-981-15-4627-3_3) [Journal metrics at Scopus](#) [Article at Scopus](#)

## Investigating the structure, microstructure, and texture in selective laser melted sterling silver 925

Vikram, R. J.; **Kollo, Lauri**; **Prashanth, Konda Gokuldoss**; Suwas, Satyam Metallurgical and materials transactions A : Physical metallurgy and materials science 2021 / p. 5329–5341 : ill <https://doi.org/10.1007/s11661-021-06471-7> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

## Investigation of barrier inhomogeneities and electronic transport on Al-Foil/p-Type-4H-SiC Schottky barrier Diodes using diffusion welding

**Ziko, Mehadi Hasan**; **Koel, Ants**; **Rang, Toomas**; **Rashid, Muhammad Haroon** Crystals 2020 / p. 636-647 <https://doi.org/10.3390/cryst10080636> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

## Investigation of Devulcanised Crumb Rubber Milling and Deagglomeration in Disintegrator System

Lapkovskis, Vjaceslavs; Mironovs, Viktors; Irtiseva, Kristine; **Goljandin, Dmitri**; Shishkin, Andrei Key engineering materials 2019 / p. 216–220 <https://doi.org/10.4028/www.scientific.net/KEM.800.216> [Conference proceeding at Scopus](#) [Article at Scopus](#)

## Investigation of efficient alkali treatment and the effect of flame retardant on the mechanical and fire performance of frost-retted hemp fiber reinforced PLA

**Alao, Percy Festus**; **Press, Raimond**; **Kallakas, Heikko**; Ruponen, Jussi; **Poltimäe, Triinu**; **Kers, Jaan** Polymers 2022 / art. 2280 <https://doi.org/10.3390/polym14112280> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

## Investigation of influence of conductivity on the polyaniline fiber mats, produced via electrospinning

Varnaite-Žuravliova, Sandra; **Savest, Natalja**; Abraitienė, Aušra; Baltušnikaitė-Guzaitienė, Julija; **Krumme, Andres** Materials Research Express 2018 / art. 055308 <https://doi.org/10.1088/2053-1591/aac4ea> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Investigation of mechanical and physicochemical properties of clinically retrieved titanium-niobium orthodontic archwires**

Stoyanova-Ivanova, Angelina; Cherneva, Sabina; Petrunov, Vladimir; Petrova, Violeta; Ilievska, Ivana; **Mikli, Valdek**; Iankov, Roumen Acta of bioengineering and biomechanics 2020 / p. 31–39 <https://doi.org/10.37190/ABB-01486-2019-03> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Investigation of morphology changes on nanocrystalline diamond film surfaces during reciprocating sliding against Si<sub>3</sub>N<sub>4</sub> balls**

**Bogatov, Andrei; Podgurski, Vitali; Raadik, Taavi**; Kamjula, A. R.; Hantschel, Thomas; Tsigkourakos, M.; **Kulu, Priit** Engineering materials & tribology XXII 2014 / p. 126–129 <https://doi.org/10.4028/www.scientific.net/KEM.604.126> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Investigation of residual stresses in flame sprayed Ni-based wear resistant coatings by the hole-drilling and X-ray methods**

Ryabchikov, Alexander; Lille, Harri; Reitsnik, Renno; Toropov, Stanislav; **Surženkov, Andrei; Kulu, Priit** International Conference on Residual Stresses 9 (ICRS 9) : selected, peer reviewed papers from the 9th International Conference on Residual Stresses (ICRS 9), October 7–9, 2012, Garmisch-Partenkirchen, Germany 2014 / p. 144–149 <https://doi.org/10.4028/www.scientific.net/MSF.768-769.144> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Investigation of rough surfaces on Cu<sub>2</sub>ZnSn(S<sub>x</sub>Se<sub>1-x</sub>)<sub>4</sub> monograin layers using light beam induced current measurements**

**Neubauer, Christian; Babatas, Ertug; Meissner, Dieter** Applied surface science 2017 / p. 465–468 : ill <https://doi.org/10.1016/j.apsusc.2017.06.111> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Investigation of steam turbine blades damage and reliability in a power plant**

**Molodtsov, Artjom; Dedov, Andrei; Klevtsov, Ivan; Kommel, Lembit; Lausmaa, Toomas; Mikli, Valdek** Modern Materials and Manufacturing 2019 : 12th International DAAAM Baltic Conference and 27th International Baltic Conference BALTMATTRIB 2019. Selected, peer reviewed papers from the conference Modern Materials and Manufacturing 2019 (MMM 2019), April 24–26, 2019, Tallinn, Estonia 2019 / p. 89–94 : ill <https://www.scientific.net/KEM.799.89> [https://www.ester.ee/record=b5235278\\*est](https://www.ester.ee/record=b5235278*est) <https://doi.org/10.4028/www.scientific.net/KEM.799.89> [Conference proceeding at Scopus](#) [Article at Scopus](#)

**Investigation of the high temperature dry sliding wear behavior of graphene nanoplatelets reinforced aluminum matrix composites**

Seçkin, Martin; Kandemir, Sinan; **Antonov, Maksim** Journal of composite materials 2021 / 13 p. : ill <https://doi.org/10.1177/0021998320979037> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**The investigation of the production of salt-added polyethylene oxide/chitosan nanofibers**

Varnaite-Žuravliova, Sandra; **Savest, Natalja**; Baltušnikaite-Guzaitiene, Julija; Abraitene, Aušra; **Krumme, Andres** Materials 2024 / art. 132 <https://doi.org/10.3390/ma17010132> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Investigation of the tribological behavior of the additively manufactured TiC-based cermets by scratch testing**

**Maurya, Himanshu Singh**; Jayaraj, Jayamani; Wang, Z.; **Juhani, Kristjan; Sergejev, Fjodor; Prashanth, Konda Gokuldoss** Journal of alloys and compounds 2023 / art. 170496, 9 p. : ill <https://doi.org/10.1016/j.jallcom.2023.170496> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Investigations on new carbon-based nanohybrids combining carbon nanotubes, HfO<sub>2</sub> and ZnO nanoparticles**

**Rauwel, Protima**; Galeckas, Augustinas; **Salumaa, Martin; Aasna, Andres**; Ducroquet, Frederiquet; **Rauwel, Erwan** IOP conference series : materials science and engineering 2017 / art. 012064, p. 1–5 : ill <https://doi.org/10.1088/1757-899X/175/1/012064> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

**Ionic substituted hydroxyapatite for bone regeneration applications : a review**

Ressler, Antonia; Žužic, Andreja; Ivanišević, Irena; **Kamboj, Nikhil Kumar**; Ivankovic, Hrvoje Open Ceramics 2021 / art. 100122 <https://doi.org/10.1016/j.oceram.2021.100122> [Journal metrics at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

**Iron triad-based bimetallic M–N–C nanomaterials as highly active bifunctional oxygen electrocatalysts**

**Alam, Mahboob; Ping, Kefeng**; Danilson, Mati; Mikli, Valdek; Käärik, Maike; Leis, Jaan; Aruväli, Jaan; Paiste, Päärn; Rähn, Mihkel; Sammelselg, Väino; Tammeveski, Kaido; Haller, Steffen; Kramm, Ulrike Ingrid; **Starkov, Pavel**; Kongi, Nadezda ACS Applied Energy Materials 2024 / p. 4076 – 4087 <https://doi.org/10.1021/acsaeam.4c00366> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Iron, cobalt, and nickel phthalocyanines tri-doped electrospun carbon nanofibre-based catalyst for rechargeable zinc-air battery air electrode**

Muuli, Kaur; Rohit Kumar; Mooste, Marek; **Gudkova, Viktoria**; Treshchalov, Alexey; Piirsoo, Helle-Mai; Kikas, Arvo; Aruväli, Jaan; Kisand, Vambola; Tamm, Aile; **Krumme, Andres**; Moni, Prabu; Wilhelm, Michaela; Tammeveski, Kaido Materials 2023 / art. 4626 <https://doi.org/10.3390/ma16134626> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Joint optimization via deep reinforcement learning in wireless networked controlled systems**

Ashraf, Kanwal; Le Moullec, Yannick; Pardy, Tamas; Rang, Toomas IEEE Access 2022 / p. 67152-67167

<https://doi.org/10.1109/ACCESS.2022.3185244> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Joint reduction of NiO/WO<sub>3</sub> pair and NiWO<sub>4</sub> by Mg + C combined reducer at high heating rates**

Zakaryan, Marieta; Nazaretyan, Khachik; Aydinyan, Sofiya; Kharatyan, Suren Metals 2021 / art. 1351, 13 p. : ill

<https://doi.org/10.3390/met11091351> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **K<sub>2</sub>CO<sub>3</sub>-containing composite sorbents based on a ZrO<sub>2</sub> aerogel for reversible CO<sub>2</sub> capture from ambient air**

Veselovskaya, Janna; Derevshchikov, Vladimir; Shalygin, Anton S.; Yatsenko, Dmitry Microporous and Mesoporous Materials

2021 / art. 110624 <https://doi.org/10.1016/j.micromeso.2020.110624> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Kesterite monograins for solar cells and water splitting applications**

Oueslati, Souhaib; Pilvet, Maris; Grossberg, Maarja; Kauk-Kuusik, Marit; Krustok, Jüri; Meissner, Dieter Thin solid films 2021

/ art. 138981 <https://doi.org/10.1016/j.tsf.2021.138981> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Kinetic highlights of the reduction of silver tungstate by Mg + C combined reducer**

Zakaryan, Marieta; Nazaretyan, Khachik; Aydinyan, Sofiya; Kharatyan, Suren Metals 2022 / art. 1000

<https://doi.org/10.3390/met12061000> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Kinking in semiconductor nanowires : a review**

Vlassov, Sergei; Oras, Sven; Polyakov, Boris; Butanovs, Edgars; Kyritsakis, Andreas; Zadin, Veronika Crystal growth & design 2022

/ p. 871-892 <https://doi.org/10.1021/acs.cgd.1c00802> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Language of driving for autonomous vehicles**

Kalda, Krister; Pizzagalli, Simone Luca; Soe, Ralf-Martin; Sell, Raivo; Bellone, Mauro Applied sciences 2022 / art. 5406

<https://doi.org/10.3390/app12115406> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Laser additive manufacturing of nano-TiC particles reinforced CoCrFeMnNi high-entropy alloy matrix composites with high strength and ductility**

Chen, Hongyi; Lu, Twen; Prashanth, Konda Gokuldoss; Kosiba, Konrad Materials Science and Engineering : A 2022 / art. 142512

<https://doi.org/10.1016/j.msea.2021.142512> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Laser powder-bed fusion of ceramic particulate reinforced aluminum alloys: a review**

Minasyan, Tatevik; Hussainova, Irina Materials 2022 / art. 2467 <https://doi.org/10.3390/ma15072467> [Journal metrics at Scopus](#)

[Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Laser powder-bed fusion of Mo(Si,Al)<sub>2</sub> – based composite for elevated temperature applications**

Minasyan, Tatevik; Ivanov, Roman; Toyserkani, Ehsan; Hussainova, Irina Journal of alloys and compounds 2021 / art. 161034

<https://doi.org/10.1016/j.jallcom.2021.161034> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Latest research trends in gait analysis using wearable sensors and machine learning: A systematic review**

Saboor, Abdul; Kask, Triin; Kuusik, Alar; Alam, Muhammad Mahtab; Le Moullec, Yannick IEEE Access 2020 / art. 3022818, p.

167830–167864 <https://doi.org/10.1109/ACCESS.2020.3022818> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Layered structure of alumina/graphene-augmented-inorganic-nanofibers with directional electrical conductivity**

Saffarshamshirgar, Ali; Rojas Hernandez, Rocio Estefania; Mikli, Valdek; Karppinen, Maarit; Hussainova, Irina Carbon 2020

/ p. 634-645 <https://doi.org/10.1016/j.carbon.2020.06.038> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Lead and nitrogen co-doped multi-walled carbon nanotube electrocatalyst for oxygen reduction reaction**

Zarmehri, Ehsan; Raudsepp, Ragle; Šmits, Krišjānis; Käämbre, Tanel; Šutka, Andris; Yörük, Can Rüstü; Zacs, Dzintars;

Kruusenberg, Ivar Journal of The Electrochemical Society 2023 / art. 114505, 10 p. : ill <https://doi.org/10.1149/1945-7111/ad0072> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Lean body mass assessment based on UV absorbance in spent dialysate and dual-energy x-ray absorptiometry**

Tomson, Ruth; Fridolin, Ivo; Luman, Merike International journal of artificial organs 2015 / p. 311-315 : ill

<https://doi.org/10.5301/ijao.5000415> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Learning from few cyber-attacks : addressing the class imbalance problem in machine learning-based intrusion detection in software-defined networking**

**Mirsadeghi, Seyed Mohammad Hadi; Bahsi, Hayretidin; Vaarandi, Risto;** Inoubli, Wissem IEEE Access 2023 / p. 140428 - 140442 <https://doi.org/10.1109/ACCESS.2023.3341755> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Life cycle assessment of end-of-life tire disposal methods and potential integration of recycled crumb rubber in cement composites**

Kolendo, Girts; **Voronova, Viktoria;** Bumanis, Girts; Korjamins, A.; Bajare, D. Applied Sciences (Switzerland) 2024 / art. 11667 <https://doi.org/10.3390/app142411667> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**LightGBM-based fault diagnosis of rotating machinery under changing working conditions using modified recursive feature elimination**

Saberi, Alireza Nemat; **Belahcen, Anouar;** Sobra, Jan; **Vaimann, Toomas** IEEE Access 2022 / p. 81910-81925 <https://doi.org/10.1109/ACCESS.2022.3195939> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Light-induced strain and its correlation with the optical absorption at charged domain walls in polycrystalline ferroelectrics**

Rubio-Marcos, Fernando; Pamies, Paula; Del Campo, Adolfo; Tiana, Jordi; Ordonez-Pimentel, Jonathan; Venet, Michel; **Rojas Hernandez, Rocio Estefania;** Ochoa, Diego A.; Fernandez, Jose F.; Garcia, Jose E. Applied materials today 2023 / art. 101838 <https://doi.org/10.1016/j.apmt.2023.101838> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Lightweight 3D printed Ti6Al4V-AISi10Mg hybrid composite for impact resistance and armor piercing shielding**

**Rahmani Ahranjani, Ramin; Antonov, Maksim;** Brojan, Miha Journal of materials research and technology 2020 / p. 13842-13854 : ill <https://doi.org/10.1016/j.jmrt.2020.09.108> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Lightweight open data assimilation of Pan-European urban air quality**

**Miasayedava, Lizaveta; Kaugerand, Jaanus; Tuhtan, Jeffrey Andrew** IEEE access 2023 / p. 84670–84688 : ill., map <https://doi.org/10.1109/ACCESS.2023.3302348> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**A linear integer programming model for fault diagnosis in active distribution systems with bi-directional 'fault monitoring devices installed**

Wang, Chongyu; Pang, Kaiyuan; Xu, Yan; **Wen, Fushuan; Palu, Ivo;** Feng, Changsen IEEE Access 2020 / p. 106452-106463 <https://doi.org/10.1109/ACCESS.2020.2999519> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Longitudinal wave propagation in axially graded Rayleigh–Bishop nanorods**

**Arda, Mustafa; Majak, Jüri; Mehrparvar, Marmar** Mechanics of composite materials 2024 / p. 1109-1128 <https://doi.org/10.1007/s11029-023-10160-4> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Low processing temperatures explored in Sb2S3 solar cells by close-spaced sublimation and analysis of bulk and interface related defects**

**Krautmann, Robert; Spalatu, Nicolae; Josepson, Raavo;** Nedzinskas, Ramunas; Kondrotas, Rokas; Gržibovskis, R.; Vembris, Aivars; **Krunks, Malle; Oja Acik, Ilona** Solar energy materials and solar cells 2023 / art. 112139, 9 p. : ill <https://doi.org/10.1016/j.solmat.2022.112139> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Low temperature time resolved photoluminescence in ordered and disordered Cu2ZnSnS4 single crystals**

**Raadik, Taavi; Krustok, Jüri; Kauk-Kuusik, Marit; Timmo, Kristi; Grossberg, Maarja;** Ernits, Kaia; Bleuse, J. Physica B : condensed matter 2017 / p. 47-50 : ill <https://doi.org/10.1016/j.physb.2016.12.011> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Low temperature, spark plasma sintering behavior of zirconia added by a novel type of alumina nanofibers**

**Voltšihhin, Nikolai;** Rodriguez, Miguel Angel; **Hussainova, Irina; Aghayan, Marina** Ceramics international 2014 / p. 7235-7244 : ill <https://doi.org/10.1016/j.ceramint.2013.12.063> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Low-temperature annealing of lightly doped n-4H-SiC layers after irradiation with fast electrons**

**Korolkov, Oleg;** Kozlovski, Vitali V.; Lebedev, Alexander A.; **Sleptšuk, Natalja; Toompuu, Jana; Rang, Toomas** Semiconductors 2019 / p. 975–978 <https://doi.org/10.1134/S1063782619070133> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**A luminescence study of Cu2ZnSnSe4/Mo/glass films and solar cells with near stoichiometric copper content**

Yakushev, M. V.; Sulimov, M. A.; Marquez-Prieto, J.; **Krustok, Jüri** Journal of physics D : applied physics 2019 / art. 055502, 10 p. : ill <https://doi.org/10.1088/1361-6463/aaefe3> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Machine learning assisted methodology for multiclass classification of malignant brain tumors**

Vidhyarthi, Ankit; Agarwal, Ruchi; Gupta, Deepak; **Sharma, Rahul; Draheim, Dirk;** Tiwari, Prayag IEEE Access 2022 / p. 50624-50640 <https://doi.org/10.1109/ACCESS.2022.3172303> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Machine learning meets communication networks : current trends and future challenges**

Ahmad, Ijaz; Shahabuddin, Shariar; Malik, Hassan; Leppänen, Teemu; Loven, Lauri; Anttonen, Antti; Sodhro, Ali Hassan; **Alam, Muhammad Mahtab**; Juntti, Markku; Ylä-Jääski, Antti IEEE Access 2020 / art. 9274307, p. 223418-223460

<https://doi.org/10.1109/ACCESS.2020.3041765> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Macroporous silicon-wollastonite scaffold with Sr/Se/Zn/Mg-substituted hydroxyapatite/chitosan hydrogel**

Ressler, Antonia; **Kamboj, Nikhil Kumar**; Ledinski, Maja; Rogina, Anamarija; Urlic, Inga; **Hussainova, Irina**; Ivankovic, Hrvoje; Ivankovic, Marica Open Ceramics 2022 / art. 100306 <https://doi.org/10.1016/j.oceram.2022.100306> [Journal metrics at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

### **Magnetic and structural studies of LaMnO<sub>3</sub> thin films prepared by atomic layer deposition**

**Khanduri, Himani**; **Chandra Dimri, Mukesh**; Vasala, S.; Leinberg, Silver; Löhmus, Rünno; Ashworth, T. V.; **Mere, Arvo**; **Krustok, Jüri**; Karppinen, Maarit; Stern, Raivo Journal of physics D : applied physics 2013 / p. 1-8 : ill <https://doi.org/10.1088/0022-3727/46/17/175003> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Magnetic and transport characteristics of oxygenated polycrystalline La<sub>0.6</sub>Pb<sub>0.4</sub>MnO<sub>3</sub>**

Blagoev, Blagoy; Terzieva, Stanimira; **Mikli, Valdek** Journal of magnetism and magnetic materials 2013 / p. 34-38 : ill

<https://doi.org/10.1016/j.jmmm.2012.10.014> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Manganese-substituted kesterite thin-films for earth-abundant photovoltaic applications**

Trifiletti, Vanira; Frioni, Luigi; Tseberlidis, Giorgio; Vitiello, Elisa; **Danilson, Mati**; **Grossberg, Maarja**; Acciarri, Maurizio; Binetti, Simona; Marchionna, Stefano Solar energy materials and solar cells 2023 / art. 112247, 13 p. : ill

<https://doi.org/10.1016/j.solmat.2023.112247> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Manufacturing of silicon – Bioactive glass scaffolds by selective laser melting for bone tissue engineering**

Rodrigo-Vazquez, C. Sara; **Kamboj, Nikhil Kumar**; Aghayan, Marina; Saez, Ada; De Aza, Antonio de; Rodriguez, Miguel Angel; **Hussainova, Irina** Ceramics international 2020 / p. 26936-26944 : ill <https://doi.org/10.1016/j.ceramint.2020.07.171> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Mapping of impact-abrasive wear performance of WC-Co cemented carbides**

**Antonov, Maksim**; **Veinthal, Renno**; **Yung, Der-Liang**; **Katušin, Dmitri**; **Hussainova, Irina** Wear 2015 / p. 971-978 : ill

<https://doi.org/10.1016/j.wear.2015.02.031> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **MARSTRUCT benchmark study on nonlinear FE simulation of an experiment of an indenter impact with a ship side-shell structure**

Ringsberg, Jonas W.; Amdahl, Jörgen; Chen, Bai Qiao; Cho, Sang-Rai; **Körgeaar, Mihkel**; **Tabri, Kristjan** Marine structures 2018 / p. 142-157 <https://doi.org/10.1016/j.marstruc.2018.01.010> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Material characterization for laminated glass composite panel**

**Väer, Kaur**; Anton, Johan; **Klauson, Aleksander**; **Eerme, Martin**; **Õunapuu, Erko**; Tšukrejev, Pavel Journal of achievements in materials and manufacturing engineering 2017 / p. 11-17 <https://doi.org/10.5604/01.3001.0010.2032> [Journal metrics at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

### **Material properties of clay and lime plaster for structural fire design**

**Liblik, Johanna**; Küppers, Judith; **Just, Alar**; **Maaten, Birgit**; **Pajusaar, Siim** Fire and materials 2021 / p. 355-365 : ill

<https://doi.org/10.1002/fam.2798> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Materials properties of magnesium and calcium hydroxides from first-principles calculations**

Pishtshev, Aleksandr; Karazhanov, S. Zh.; **Klopov, Mihail** Computational materials science 2014 / p. 693-705 : ill

<https://doi.org/10.1016/j.commatsci.2014.07.007> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **A mathematical model for abrasive erosion wear in composite Fe-based matrix with WC-Co reinforcement**

**Casesnoves, Francisco**; **Surženkov, Andrei** Materials and contact characterisation VIII 2017 / p. 99-111 : ill

<https://doi.org/10.2495/MC170101> [Conference proceedings at Scopus](#) [Article at Scopus](#)

### **Maximizing the degree of rejuvenation in metallic glasses**

Yuan, Xudong; Sopu, Daniel; Spieckermann, Florian C.; Song, Kaikai; Ketov, Sergey V.; **Prashanth, Konda Gokuldoss**; Eckert, Juergen H. Scripta Materialia 2022 / art. 114575 <https://doi.org/10.1016/j.scriptamat.2022.114575> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Measurement and analysis of human lower limbs movement parameters during walking**

**Žigailov, Sergei**; Kuznetsov, Artem; Musalimov, Victor; **Arjassov, Gennadi** Mechatronic systems and materials VI 2015 / p. 538-543

: ill <https://doi.org/10.4028/www.scientific.net/SSP.220-221.538> [Conference proceedings at Scopus](#) [Article at Scopus](#)

### **Measurement of geometry of small axisymmetric sheet metal component after forming**

**Lend, Henri; Ratas, Kaarin; Peetsalu, Priidu** Medžiagotyra = Materials science 2015 / p. 473-478 : ill  
<https://doi.org/10.5755/j01.ms.21.3.7384> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Measurement of residual stresses in the cold-rolled Fe-Ni-Mn/Invar thermo-bimetallic plate**

Lille, Harri; Kõo, Jakub; Valgur, Jaak; Ryabchikov, Alexander; Reitsnik, Renno; **Veinthal, Renno** International Conference on Residual Stresses 9 (ICRS 9) : selected, peer reviewed papers from the 9th International Conference on Residual Stresses (ICRS 9), October 7-9, 2012, Garmisch-Partenkirchen, Germany Materials science forum 2014 / p. 101-106  
<https://doi.org/10.4028/www.scientific.net/MSF.768-769.101> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Conference proceedings at WOS](#) [Article at WOS](#)

**Mechanical behavior of Ti6Al4V scaffolds filled with CaSiO3 for implant applications**

**Rahmani Ahranjani, Ramin; Antonov, Maksim; Kollo, Lauri; Holovenko, Yaroslav; Prashanth, Konda Gokuldoss** Applied sciences 2019 / art. 3844, 11 p. : ill <https://doi.org/10.3390/app9183844> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Mechanical properties and microstructural evolution of Ti-25Nb-6Zr alloy fabricated by spark plasma sintering at different temperatures**

Zhu, Qing; Chen, Peng; Xiao, Qiushuo; Li, Fengxian; Yi, Jianhong; **Prashanth, Konda Gokuldoss**; Eckert, Jürgen Metals 2022 / art. 1824 <https://doi.org/10.3390/met12111824> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Mechanical properties and self-healing capacity of ultra high performance fibre reinforced concrete with alumina nano-fibres : tailoring ultra high durability concrete for aggressive exposure scenarios**

Cuenca, Estefania; D'Ambrosio, Leonardo; Lizunov, Dennis; **Tretjakov, Aleksei; Volobujeva, Olga**; Ferrara, Liberato Cement and concrete composites 2021 / art. 103956, 17 p <https://doi.org/10.1016/j.cemconcomp.2021.103956> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Mechanical properties of aluminum, zirconium, hafnium and tantalum oxides and their nanolaminates grown by atomic layer deposition**

Jõgiaas, Taivo; Zabels, Roberts; Tamm, Aile; Merisalu, Maido; **Hussainova, Irina** Surface and coatings technology 2015 / p. 36-42 : ill <https://doi.org/10.1016/j.surfcoat.2015.10.008> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Mechanical properties, microstructure, and actuation behavior of wire arc additive manufactured nitinol : titanium bimetallic structures**

Singh, Shalini; Demidova, Elena; Resnina, Natalia; Belyaev, Sergey; Palani, Iyampuram Anand; Paul, Christ Prakash; Kumar, Ajit; **Prashanth, Konda Gokuldoss** 3D Printing and Additive Manufacturing 2024 / p. 143 - 151 <https://doi.org/10.1089/3dp.2021.0324> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Mechanism of high-pressure torsion-induced shear banding and lamellar thickness saturation in Co-Cr-Fe-Ni-Nb high-entropy composites**

Maity, Tapabrata; **Prashanth, Konda Gokuldoss**; Janda, Alexander Journal of materials research 2019 / p. 2672-2682 : ill <https://doi.org/10.1557/jmr.2019.149> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**The mechanism of joint reduction of MoO3 and CuO by combined Mg/C reducer at high heating rates**

Kirakosyan, Hasmik; Nazaretyan, Khachik; **Aydinyan, Sofiya**; Kharatyan, Suren Journal of composites science 2021 / art. 318, 20 p. : ill <https://doi.org/10.3390/jcs5120318> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Mechanochemical nucleophilic substitution of alcohols via isouronium intermediates**

**Dalidovich, Tatsiana; Nallaparaju, Jagadeesh Varma; Shalima, Tatsiana; Aav, Riina; Kananovich, Dzmitry** ChemSusChem 2022 / art. e202102286 <https://doi.org/10.1002/cssc.202102286> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Mechanochemical synthesis of solid-state electrolyte Sm1-xCaxF3-x for batteries and other electrochemical devices**

**Molaiyan, Palanivel; Witter, Raiker** Materials letters 2019 / p. 22-26 <https://doi.org/10.1016/j.matlet.2019.02.034> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Mechanoelectrical impedance of a carbide-derived carbon-based laminate motion sensor at large bending deflections**

Must, Indrek; **Anton, Mart**; Viidalepp, Erki; Põldsalu, Inga; Punning, Andres; Aabloo, Alvo Smart Materials and Structures 2013 / art. 104015 <https://doi.org/10.1088/0964-1726/22/10/104015> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Mechanosynthesis of a bifunctional FeNi-N-C oxygen electrocatalyst via facile mixed-phase templating and preheating-pyrolysis**

Kosimov, Akmal; Yusibova, Gulnara; Wojsiat, Ivan Tito; Aruväli, Jaan; Käärik, Maike; Leis, Jaan; Paaver, Peeter; Vlassov, Sergei; Kikas, Arvo; Kisand, Vambola; Piirsoo, Helle-Mai; Kukli, Kaupo; Heinmaa, Ivo; **Kaljuvee, Tiit**; Kongi, Nadezda Journal of Materials Chemistry A 2023 / p. 335 - 342 <https://doi.org/10.1039/d3ta04580c> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Mesoporous fibrous silicon nitride by catalytic nitridation of silicon**

**Minasyan, Tatevik; Liu, Le;** Aghayan, Marina; Rodriguez, Miguel Angel; **Aydinyan, Sofiya; Hussainova, Irina** Progress in natural science: materials international 2019 / p. 190-197 : ill <https://doi.org/10.1016/j.pnsc.2019.03.017> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Metabolism control in 3D-printed living materials improves fermentation**

Butelmann, Tobias; Priks, Hans; Parent, Zoel; Johnston, Trevor G.; Tamm, Tarmo; Nelson, Alshakim; **Lahtee, Petri-Jaan; Kumar, Rahul, 1978-** ACS Applied Bio Materials 2021 / p. 7195-7203 <https://doi.org/10.1021/acsabm.1c00754> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Metal oxide nanoparticles embedded in rare-earth matrix for low temperature thermal imaging applications**

**Rauwel, Erwan;** Galeckas, Augustinas; **Rauwel, Protima;** Hansen, P.-A.; Wragg, David; Nilsen, Ola; Fjellvag, H. Materials research express 2016 / p. 1-11 : ill <https://doi.org/10.1088/2053-1591/3/5/055010> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Metal-coated cenospheres obtained via magnetron sputter coating : a new precursor for syntactic foams**

Shishkin, A.; **Hussainova, Irina;** Kozlov, V.; Lisnanskis, M.; Leroy, P.; Lehmhus, D. JOM : the journal of the minerals, metals & materials society 2018 / p. 1319-1325 : ill <https://doi.org/10.1007/s11837-018-2886-0> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Metallic coatings through additive manufacturing: a review**

**Mohanty, Shalini; Prashanth, Konda Gokuldoss** Materials 2023 / art. 2325 : ill <https://doi.org/10.3390/ma16062325> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **A method for producing conductive graphene biopolymer nanofibrous fabrics by exploitation of an ionic liquid dispersant in electrospinning**

**Javed, Kashif; Krumme, Andres; Viirsalu, Mihkel; Krasnou, Illia; Plamus, Tiia; Vassiljeva, Viktoria; Tarasova, Elvira; Savest, Natalja; Mere, Arvo; Mikli, Valdek; Danilson, Mati; Kaljuvee, Tiit;** Lange, Sven Carbon 2018 / p. 148-156 : ill <https://doi.org/10.1016/j.carbon.2018.08.034> <https://novaator.err.ee/873101/ttu-teadlaste-arendatud-tselluloosikangaga-saab-vajadusel-laadida-telefoni> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Microdeformation and microtemperature**

**Berezovski, Arkadi;** Ván, Peter Internal variables in thermoelasticity 2017 / p. 175-190 [https://doi.org/10.1007/978-3-319-56934-5\\_13](https://doi.org/10.1007/978-3-319-56934-5_13) [Article collection metrics at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

### **Microinertia and internal variables**

**Berezovski, Arkadi;** Van, Peter Continuum mechanics and thermodynamics 2016 / p. 1027-1037 <https://doi.org/10.1007/s00161-015-0453-2> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Microstructural and mechanical behaviour of friction welded SS316L components fabricated by selective laser melting**

Dinesh, Lanka; Damodaram, R.; Sivaprasad, Katakam; **Prashanth, Konda Gokuldoss** Materials today communications 2023 / art. 107430 <https://doi.org/10.1016/j.mtcomm.2023.107430> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Microstructural evolution and mechanical properties of selective laser melted Ti-6Al-4V induced by annealing treatment**

Wang, Pei; Chen, Feng-hua; Eckert, J.; Pilz, S.; Scudino, S.; **Prashanth, Konda Gokuldoss** Journal of Central South University 2021 / p. 1068-1077 : ill <https://doi.org/10.1007/s11771-021-4680-3> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Microstructural, mechanical and corrosion behaviour of Al-Si alloy reinforced with SiC metal matrix composite**

Bandil, Kapil; Vashisth, Himanshu; Kumar, Sourav; **Singh, Neera** Journal of composite materials 2019 / p. 4215-4223 : ill <https://doi.org/10.1177/0021998319856679> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Microstructure and high temperature tribological behaviour of self-lubricating Ti-TiBx composite doped with Ni-Bi**

**Kumar, Rahul, 1993-;** Torres, Hector; **Aydinyan, Sofiya; Antonov, Maksim;** Varga, Markus; Rodriguez Ripoll, Manel; **Hussainova, Irina** Surface and coatings technology 2022 / art. 128827 <https://doi.org/10.1016/j.surfcoat.2022.128827> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Microstructure and mechanical properties of Al-(12-20)Si bi-material fabricated by selective laser melting**

Zhang, Shikai; Ma, Pan; Jia, Yandong; Yu, Zhishui; Sokkalingam, Rathinavelu; Shi, Xuerong; Ji, Pengcheng; Eckert, Jürgen; **Prashanth, Konda Gokuldoss** Materials 2019 / art. 2126, 11 p. : ill <https://doi.org/10.3390/ma12132126> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Microstructure and mechanical properties of AlCoCrFeMnNi HEAs fabricated by selective laser melting**

Ma, Pan; Fang, Yacheng; Wei, Shuimiao; Zhang, Zhiyu; Yang, Hong; Wan, Shiguang; **Prashanth, Konda Gokuldoss;** Jia, Yandong Journal of materials research and technology 2023 / p. 7090-7100 <https://doi.org/10.1016/j.jmrt.2023.07.124> [Journal metrics at Scopus](#)

**Microstructure and mechanical properties of near net shaped aluminium/alumina nanocomposites fabricated by powder metallurgy**

**Kallip, Kaspar;** Babu, N. Kishore; AlOgab, Khaled A.; **Kollo, Lauri;** Maeder, Xavier; Arroyo, Yadira; Leparoux, Marc Journal of alloys and compounds 2017 / p. 133-143 : ill <https://doi.org/10.1016/j.jallcom.2017.04.233> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Microstructure and mechanical properties of NiTi-SS bimetallic structures built using wire arc additive manufacturing**

Singh, Shalini; Jinoop, A. N.; Palani, Iyampurumal Anand; Paul, Christ Prakash; Tomar, K. P.; **Prashanth, Konda Gokuldoss** Materials letters 2021 / art. 130499, 4 p. : ill <https://doi.org/10.1016/j.matlet.2021.130499> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Microstructure and mechanical property of bimodal-size metallic glass particle-reinforced Al alloy matrix composites**

Xie, M.S.; Wang, Zhi; **Prashanth, Konda Gokuldoss** Journal of alloys and compounds 2020 / art. 152317, 6 p. : ill <https://doi.org/10.1016/j.jallcom.2019.152317> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Microstructure and nanoindentation creep behavior of binary Al-Cu alloy synthesized at high pressure**

Ma, Pan; Zhang, Zhiyu; Liu, Xiao; Shi, Xuerong; **Prashanth, Konda Gokuldoss;** Jia, Yandong JOM : the journal of the minerals, metals & materials society 2023 / p. 176-183 <https://doi.org/10.1007/s11837-022-05545-0> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Microstructure and physical-mechanical properties evolution of pure tantalum processed with hard cyclic viscoplastic deformation**

**Kommel, Lembit; Omranpour Shahreza, Babak; Mikli, Valdek** International journal of refractory metals and hard materials 2019 / art. 104983, 10 p. : ill <https://doi.org/10.1016/j.ijrmhm.2019.104983> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Microstructure and properties characterization of polycrystalline Ni-Fe-Cr-based superalloy EP-718E after electric upsetting**

**Kommel, Lembit** Engineering materials and tribology XXV 2017 / p. 467-472 <https://doi.org/10.4028/www.scientific.net/KEM.721.467> [Conference proceedings at Scopus](#) [Article at Scopus](#)

**Microstructure and properties that change during hard cyclic visco-plastic deformation of bulk high purity niobium**

**Kommel, Lembit** International journal of refractory metals and hard materials 2019 / p. 10-17 : ill <https://doi.org/10.1016/j.ijrmhm.2018.10.009> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Microstructure and texture evolution during the manufacturing of in situ TiC-NiCr cermet through selective laser melting process**

Aramian, Atefeh; Sadeghian, Zohreh; Wan, Di; **Holovenko, Yaroslav;** Razavi, Nima; Berto, Filippo Materials Characterization 2021 / art. 111289, 14 p. : ill <https://doi.org/10.1016/j.matchar.2021.111289> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Microstructure and tribological behavior of Al-12Si – Nano graphene composite fabricated by laser metal deposition process**

Yang, Zhilu; Ma, Pan; Zhang, Nan; Yang, Dongye; **Prashanth, Konda Gokuldoss;** Jia, Yandong Journal of materials research and technology 2023 / p. 2311-2322 <https://doi.org/10.1016/j.jmrt.2023.10.095> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Microstructure and tribological behavior of Fe-based amorphous alloy fabricated by plasma spraying and laser remelting**

Ma, Pan; Yang, Zhilu; Fang, Longfei; Zhang, Zhiyu; Fang, Yacheng; Zhang, Nan; **Prashanth, Konda Gokuldoss;** Jia, Yandong Transactions of the Indian Institute of Metals 2023 / p. 1007-1014 <https://doi.org/10.1007/s12666-022-02814-z> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Microstructure evolution and hot deformation behavior of spray-deposited TiAl alloys**

Jia, Yandong; Xu, Long; Ma, Pan; **Prashanth, Konda Gokuldoss** Journal of materials research 2018 / p. 2844-2852 : ill <https://doi.org/10.1557/jmr.2018.249> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Microstructure evolution and tensile property of high entropy alloy particle reinforced 316 L stainless steel matrix composites fabricated by laser powder bed fusion**

Zhang, Xinqi; Yang, Dongye; Jia, Yandong; Wang, Gang; **Prashanth, Konda Gokuldoss** Journal of alloys and compounds 2023 / art. 171430 <https://doi.org/10.1016/j.jallcom.2023.171430> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Microstructure evolution of TiC cermets with ferritic AISI 430L steel binder**

**Kolnes, Märt; Mere, Arvo; Kübarsepp, Jakob; Viljus, Mart; Maaten, Birgit; Tarraste, Marek** Powder metallurgy 2018 / p. 197-

**Microstructure formation and mechanical performance of micro-nanoscale ceramic reinforced aluminum matrix composites manufactured by laser powder bed fusion**

Xi, Lixia; Feng, Lili; Gu, Dongdong; **Prashanth, Konda Gokuldoss**; Kaban, Ivan; Wang, Ruiqi; Xiong, Ke; Sarac, Baran; Eckert, Jürgen *Journal of alloys and compounds* 2023 / art. 168803 <https://doi.org/10.1016/j.jallcom.2023.168803> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Microstructure formation and performance of reactive sintered titanium oxycarbide base ceramic-ceramic composites**

Juhani, Kristjan; Kübarsepp, Jakob; Tarraste, Marek; Pirso, Jüri; Viljus, Mart *Modern Materials and Manufacturing* 2019 : 12th International DAAAM Baltic Conference and 27th International Baltic Conference BALTMATTRIB 2019. Selected, peer reviewed papers from the conference *Modern Materials and Manufacturing* 2019 (MMM 2019), April 24-26, 2019, Tallinn, Estonia 2019 / p. 131-135 : ill <https://www.scientific.net/KEM.799.131> [https://www.ester.ee/record=b5235278\\*est](https://www.ester.ee/record=b5235278*est) <https://doi.org/10.4028/www.scientific.net/KEM.799.131> [Conference proceeding at Scopus](#) [Article at Scopus](#)

**Microstructure, mechanical properties, and corrosion behavior of 06Cr15Ni4CuMo processed by using selective laser melting**

Maya, Jayaraman; Sivaprasad, Katakam; Kumar, Guttula Venkata Sarath; Baitimerov, Rustam; Lykov, Pavel; **Prashanth, Konda Gokuldoss** *Metals* 2022 / art. 1303 <https://doi.org/10.3390/met12081303> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Microstructure, texture and mechanical properties of cyclic expansion-extrusion deformed pure copper**

Pardis, N.; Chen, C.; Ebrahimi, R.; **Kommel, Lembit** *Materials science and engineering : A* 2015 / p. 423-432 : ill <https://doi.org/10.1016/j.msea.2015.01.003> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Microstructure, wear and corrosion characteristics of Cu matrix reinforced SiC-graphite hybrid composites**

Jamwal, Anbesh; Prakash, Prem; Kumar, Devendra; **Singh, Neera**; Sadasivuni, Kishor Kumar; Harshit, Kumar; Gupta, Sumit; Gupta, Pallav *Journal of composite materials* 2019 / p. 2545 - 2553 <https://doi.org/10.1177/0021998319832961> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Microwave synthesis of B4C nanopowder for subsequent spark plasma sintering**

Davtyan, D.; Mnatsakanyan, R.A.; Liu, Le; **Aydinyan, Sofiya**; **Hussainova, Irina** *Journal of materials research and technology* 2019 / p. 5823-5832 : ill <https://doi.org/10.1016/j.jmrt.2019.09.052> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Mid-IR DIAL for high-resolution mapping of explosive precursors**

Mitev, Valentin M.; Babichenko, Sergey M.; Bennès, Jonathan; Borelli, Rodolfo; Dolfi-Bouteyre, Agnès; Fiorani, Luca; Hespel, Laurent; Huet, Thierry; Palucci, Antonio; Pistilli, Marco; Puiu, Adriana; Rebane, Ott; **Sobolev, Innokenti** *Lidar technologies, techniques, and measurements for atmospheric remote sensing IX* : 23 - 24 September 2013, Dresden, Germany 2013 / art. 88940S <https://doi.org/10.1117/12.2028374> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

**Mild steel tribology for circular economy of textile industries**

**Hussain, Abrar**; **Podgurski, Vitali**; **Goljandin, Dmitri**; **Antonov, Maksim**; Basit, Muhammad Abdul; Ahmad, Tahir *Tribology in Industry* 2021 / p. 552-560 <https://doi.org/10.24874/ti.1050.02.21.04> [Journal metrics at Scopus](#) [Article at Scopus](#)

**Mineral matter effect on the decomposition of Ca-rich oil shale**

**Maaten, Birgit**; **Loo, Lauri**; **Konist, Alar**; **Siirde, Andres** *Journal of thermal analysis and calorimetry* 2018 / p. 2087-2091 : ill <https://doi.org/10.1007/s10973-017-6823-1> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**M-N-C materials as heterogeneous catalysts for organic transformations**

**Ping, Kefeng**; **Bhadoria, Rohit**; **Starkov, Pavel**; Kongi, Nadezda *Coordination Chemistry Reviews* 2023 / art. 215412 <https://doi.org/10.1016/j.ccr.2023.215412> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Mobile smart contracts : exploring scalability challenges and consensus mechanisms**

Deval, Vipin; Dwivedi, Vimal Kumar; Dixit, Abhishek; Norta, Alex; Shah, Syed Attique; **Sharma, Rahul**; **Draheim, Dirk** *IEEE Access* 2024 / p. 34265 - 34288 <https://doi.org/10.1109/ACCESS.2024.3371901> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Mo-Cu pseudoalloys by combustion synthesis and spark plasma sintering**

**Minasyan, Tatevik**; Kirakosyan, Hasmik; **Aydinyan, Sofiya**; **Liu, Lei**; Kharatyan, Suren; **Hussainova, Irina** *Journal of materials science* 2018 / p. 16598-16608 <https://doi.org/10.1007/s10853-018-2787-1> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Modeling battery energy storage systems based on remaining useful lifetime through regression algorithms and binary classifiers**

**Zequera, Rolando Antonio Gilbert; Rjabtsikov, Viktor; Rassölkin, Anton; Vaimann, Toomas; Kallaste, Ants** Applied sciences 2023 / art. 7597 <https://doi.org/10.3390/app13137597> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Modeling of microstructures and analysis of abrasive wear of arc-welded Hadfield steel**

Jankauskas, Vytenis; Choteborsky, R.; **Antonov, Maksim**; Katinas, Egidijus Journal of friction and wear 2018 / p. 78-84 : ill <https://doi.org/10.3103/S1068366618010142> [Journal metrics at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

**Modelling 2D wave motion in microstructured solids**

**Sertakov, Ivan; Engelbrecht, Jüri; Janno, Jaan** Mechanics research communications 2014 / p. 42-49 : ill <https://doi.org/10.1016/j.mechrescom.2013.11.007> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Modification of light absorption in thin CuInS<sub>2</sub> films by sprayed Au nanoparticles**

**Katerski, Atanas; Kärber, Erki; Oja Acik, Ilona; Dolgov, Leonid; Mere, Arvo; Sildos, Ilmo; Mikli, Valdek; Krunks, Malle** Nanoscale research letters 2014 / p. 1-6 : ill <https://doi.org/10.1186/1556-276X-9-494> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Modification of the optoelectronic properties of Cu<sub>2</sub>CdSnS<sub>4</sub> through low-temperature annealing**

**Pilvet, Maris; Kauk-Kuusik, Marit; Grossberg, Maarja; Raadik, Taavi; Mikli, Valdek; Traksmäa, Rainer; Raudoja, Jaan; Timmo, Kristi; Krustok, Jüri** Journal of alloys and compounds 2017 / p. 820-825 : ill <https://doi.org/10.1016/j.jallcom.2017.06.307> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Modified procedure for buckling of steel columns at elevated temperatures**

**Kervalishvili, Andrei; Talvik, Ivar** Journal of Constructional Steel Research 2016 / p. 108 - 119 <https://doi.org/10.1016/j.jcsr.2016.07.008> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Modified winding function analysis of synchronous reluctance motor for design iteration purposes**

**Naseer, Muhammad Usman; Kallaste, Ants; Asad, Bilal; Vaimann, Toomas; Rassölkin, Anton** IEEE transactions on magnetics 2022 / art. 7500704 <https://doi.org/10.1109/TMAG.2022.3164189> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Modular multi-rotor helicopter platforms**

**Tiimus, Kristjan; Tamre, Mart** Mechatronic systems and materials VI 2015 / p. 110-115 : ill <https://doi.org/10.4028/www.scientific.net/SSP.220-221.110> [Conference proceedings at Scopus](#) [Article at Scopus](#)

**Molecular properties of comb-shaped maleimide copolymers in dilute solutions : effect of alkyl side chains**

Tarabukina, Elena; Tarasova, Elvira; Filippov, Alexander Polymer Science, Series A 2022 / p. 261-269 <https://doi.org/10.1134/S0965545X22700134> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Molecularly imprinted co-polymer for class-selective electrochemical detection of macrolide antibiotics in aqueous media**

**Nguyen, Vu Bao Chau; Ayankojo, Akinrinade George; Reut, Jekaterina; Rappich, Jörg; Furchner, Andreas; Hinrichs, Karsten; Söritski, Vitali** Sensors and actuators B : chemical 2023 / art. 132768, 9 p. : ill <https://doi.org/10.1016/j.snb.2022.132768> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Molecularly imprinted polymer based electrochemical sensor for quantitative detection of SARS-CoV-2 spike protein**

**Ayankojo, Akinrinade George; Boroznjak, Roman; Reut, Jekaterina; Öpik, Andres; Söritski, Vitali** Sensors and Actuators B : Chemical 2022 / Art. 131160 <https://doi.org/10.1016/j.snb.2021.131160> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Molecularly imprinted polymer-based SAW sensor for label-free detection of cerebral dopamine neurotrophic factor protein**

**Kidakova, Anna; Boroznjak, Roman; Reut, Jekaterina; Öpik, Andres; Saarma, Mart; Söritski, Vitali** Sensors and actuators B : chemical 2020 / art. 127708, 8 p. : ill <https://doi.org/10.1016/j.snb.2020.127708> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Molecularly imprinted poly(meta-phenylenediamine) based QCM sensor for detecting Amoxicillin**

**Ayankojo, Akinrinade George; Reut, Jekaterina; Boroznjak, Roman; Öpik, Andres; Söritski, Vitali** Sensors and actuators B : chemical 2018 / p. 766-774 : ill <https://doi.org/10.1016/j.snb.2017.11.194> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Mo(Si,Al)<sub>2</sub> by laser powder bed fusion of AlSi10Mg and combustion synthesized MoSi<sub>2</sub>**

**Minasyan, Tatevik; Ivanov, Roman; Toyserkani, Ehsan; Hussainova, Irina** Materials letters 2022 / art. 131041 <https://doi.org/10.1016/j.matlet.2021.131041> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Mo(Si<sub>1-x</sub>Al<sub>x</sub>)<sub>2</sub>-based composite by reactive laser powder-bed fusion**

**Minasyan, Tatevik; Aydinyan, Sofiya; Liu, Le; Volobujeva, Olga; Toyserkani, Ehsan; Hussainova, Irina** Materials letters 2020 /

art. 128776, 5 p. : ill <https://doi.org/10.1016/j.matlet.2020.128776> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Motion and energy efficiency parameters of the unmanned ground vehicle**

**Väljaots, Eero; Sell, Raivo; Kaeeli, Mati** Mechatronic systems and materials VI 2015 / p. 934-939 : ill

<https://doi.org/10.4028/www.scientific.net/SSP.220-221.934> [Conference proceedings at Scopus](#) [Article at Scopus](#)

#### **An MPPT algorithm for PV systems based on a simplified photo-diode model**

Restrepo, Carlos; Gonzalez-Castano, Catalina; Munoz, Javier; **Chub, Andrii**; Vidal-Ildarte, Enric; Giral, Roberto IEEE Access 2021 / p. 33189-33202 <https://doi.org/10.1109/ACCESS.2021.3061340> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#)

[Article at WOS](#)

#### **MPPT performance enhancement of low-cost PV microconverters**

**Vinnikov, Dmitri; Chub, Andrii; Korkh, Oleksandr; Liivik, Elizaveta**; Blaabjerg, Frede; Kouro, Samir Solar energy 2019 / p. 156-

166 : ill <https://doi.org/10.1016/j.solener.2019.05.024> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Multifractal analysis of high-temperature plasma irradiated tungsten surfaces**

Martsepp, Merike; Laas, Tõnu; Laas, Katrin; **Priimets, Jaanis; Mikli, Valdek; Antonov, Maksim** Surface topography : metrology and properties 2021 / 13 p. : ill <https://doi.org/10.1088/2051-672X/ac1dc3> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#)

[Article at WOS](#)

#### **A multifunctional strontium/silver-co-substituted hydroxyapatite derived from biogenic source as antibacterial biomaterial**

Ressler, Antonia; Ivanković, Tomislav; Polak, Bruno; Ivanišević, Irena; Kovačić, Marin; Urlić, Inga; **Hussainova, Irina**; Ivanković,

Hrvoje Ceramics International 2022 / p. 18361 - 18373 <https://doi.org/10.1016/j.ceramint.2022.03.095> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Multilayered core-shell structure of polyol-stabilized calcium fluoride nanoparticles characterized by NMR**

**Witter, Raiker**; Roming, Marcus; Feldmann, Claus; Ulrich, Anne S. Journal of Colloid and Interface Science 2013 / p. 250 - 257

<https://doi.org/10.1016/j.jcis.2012.09.001> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **A multiplexed FBG based sensor platform for flow and temperature measurements in the Baltic Sea**

Dzupalski, A.; Morton, J. A. S.; Papachristou, N.; Maier, R. R. J.; MacPherson, W. N.; **Ristolainen, Asko; Kruusmaa, Maarja**; Reilent, E.; **Suhhova, Irina; Lips, Urmas** Proceedings of SPIE 2023 / art. 1264307-1 : ill <https://doi.org/10.1117/12.2679756> [Conference proceedings at Scopus](#) [Article at Scopus](#)

#### **A multiplexed reconfigurable modular FBG-based sensor platform for flow and temperature measurements in the North Sea**

Dzupalski, Adrian; Morton, Jonathan A. S.; Papchristou, Nikolitsa; Maier, Robert R. J.; MacPherson, William N.; **Ristolainen, Asko;**

**Reilent, Enar; Kruusmaa, Maarja**; Wolf, Ben J.; Piri, Primoz; Van Netten, Sietse M.; **Suhhova, Irina; Lips, Urmas**; McFarlane, Nathan; MacLeod, Robert; Hendry, Mark; Sheehy, Jack; Almoghayer, Mohammed; Rojas, Natalia; Davies, Gareth Proceedings of SPIE 2024 / 6 p <https://doi.org/10.1117/12.3031643> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

#### **Multi-purpose heterogeneous catalyst material from an amorphous cobalt metal-organic framework**

**Ping, Kefeng; Alam, Mahboob; Kahnert, Sean Ray; Bhadoria, Rohit; Mere, Arvo; Mikli, Valdek**; Käärik, Maike; Aruväli, Jaan;

Paiste, Pääm; Kikas, Arvo; Kisand, Vambola; **Järving, Ivar**; Leis, Jaan; Kongi, Nadežda; **Starkov, Pavel** Materials advances 2021 / p. 4009-4015 <https://doi.org/10.1039/D1MA00414J> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **A multi-terrain robot prototype with archimedean screw actuators : design, realization, modeling, and control**

**Gkliva, Roza; Remmas, Mohamed Walid; Godon, Simon Pierre; Rebane, Jaan; Ochs, Kilian; Kruusmaa, Maarja;**

**Ristolainen, Asko** IEEE Access 2024 / p. 95820 - 95830 <https://doi.org/10.1109/ACCESS.2024.3426105> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Multi-type dislocation substructure evolution in a high-strength and ductile duplex high-entropy nanocomposites**

Mua, Yongkun; **Liu, Le**; Shia, Jinqiang; Sun, Tongtong; Hua, Kai; Jia, Yuefei; Song, Kaikai; Jia, Yandong; Wang, Qing; Wang, Gang

Composites Part B : Engineering 2022 / art. 110322 <https://doi.org/10.1016/j.compositesb.2022.110322> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Nafion protective membrane enables using ruthenium oxide electrodes for pH measurement in milk**

**Lazouskaya, Maryna; Scheler, Ott; Mikli, Valdek**; Uppuluri, Kiranmai; Zaraska, Krzysztof; Tamm, Martti Journal of The

Electrochemical Society 2021 / art. 107511, 12 p. : ill <https://doi.org/10.1149/1945-7111/ac2d3c> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Nano- and Micro-Scale simulations of Ge/3C-SiC and Ge/4H-SiC NN-heterojunction diodes**

**Rashid, Muhammad Haroon; Koel, Ants; Rang, Toomas** Silicon Carbide and Related Materials 2019 : 18th International

Conference on Silicon Carbide and Related Materials 2019 (ICSCRM 2019), Kyoto, Japan, September 29 - October 4, 2019

Materials science forum 2020 / p. 490-496 <https://doi.org/10.4028/www.scientific.net/MSF.1004.490> [Conference proceedings at Scopus](#)

**Nano and micro-scale simulations of Si/4H-SiC and Si/3C-SiC NN-heterojunction diodes**

**Rashid, Muhammad Haroon; Koel, Ants; Rang, Toomas** Silicon Carbide and Related Materials 2018 : 12th European Conference on Silicon Carbide and Related Materials (ECSCRM 2018) : Selected, peer reviewed papers from the European Conference on Silicon Carbide and Related Materials (ECSCRM 2018), September 2-6, 2018, Birmingham, UK 2019 / p. 357–361 <https://doi.org/10.4028/www.scientific.net/MSF.963.357> [Conference proceeding at Scopus](#) [Article at Scopus](#)

**Nanocrystalline diamond films deformation observed during sliding tests against Si<sub>3</sub>N<sub>4</sub> balls as a possible cause for ripple formation on wear scars surface**

**Bogatov, Andrei; Viljus, Mart; Raadik, Taavi;** Hantschel, Thomas; **Podgurski, Vitali** Medžiagotyra = Materials science 2015 / p. 349-352 : ill <https://doi.org/10.5755/j01.ms.21.3.7232> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**NanoE-Tox: new and in-depth database concerning ecotoxicity of nanomaterials**

**Juganson, Katre;** Ivask, Angela; Blinova, Irina; Mortimer, Monika; Kahru, Anne Beilstein Journal of Nanotechnology 2015 / p. 1788 - 1804 <https://doi.org/10.3762/bjnano.6.183> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Nanoindentation and surface characterization of clinically retrieved multi-force niti orthodontic archwires**

Cherneva, Sabina; Stoyanova-Ivanova, Angelina K.; Georgieva, Mirela; Andreeva, Laura A.; Petkov, Alexander; Petrov, Valeri G.; Petrova, Violeta P.; **Mikli, Valdek** Russian Journal of Biomechanics 2020 / p. 240-256 <https://doi.org/10.15593/RJBiomech/2020.3.02> <https://ered.pstu.ru/index.php/rjb/article/view/2303> [Journal metrics at Scopus](#) [Article at Scopus](#)

**Nanoparticulate dielectric overlayer for enhanced electric fields in a capacitive deionization device**

Laxman, Karthik; Kimoto, Daiki; **Sahakyan, Armen;** Dutta, Joydeep ACS applied materials and interfaces 2018 / 8 p. : ill. <https://doi.org/10.1021/acsami.7b16540> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Nanoscale and microscale simulations of N-N junction heterostructures of 3C-4H silicon carbide**

**Rashid, Muhammad Haroon; Koel, Ants; Rang, Toomas; Gähwiler, Reto; Grosberg, Martin; Jõemaa, Rauno** Materials and contact characterisation VIII 2017 / p. 235-248 : ill <https://doi.org/10.2495/MC170241> [Conference proceedings at Scopus](#) [Article at Scopus](#)

**Nano-scale sulfurization of the Cu<sub>2</sub>ZnSnSe<sub>4</sub> crystal surface for photovoltaic applications**

**Kauk-Kuusik, Marit; Li, Xiaofeng; Pilvet, Maris; Timmo, Kristi; Mikli, Valdek; Kaupmees, Reelika; Danilson, Mati; Grossberg, Maarja** Journal of materials chemistry A 2019 / p. 24884-24890 : ill <https://doi.org/10.1039/C9TA08020A> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Nanostructural evolution in mesoporous networks using in situ high-speed temperature scanner**

**Kamboj, Nikhil Kumar; Aghayan, Marina;** Rubio-Marcos, Fernando; Nazaretyan, Khachatur; Rodriguez, Miguel Angel; Kharatyan, Suren; **Hussainova, Irina** Ceramics international 2018 / p. 12265-12272 : ill <https://doi.org/10.1016/j.ceramint.2018.04.010> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Nanostructure development in refractory metals : ECAP processing of Niobium and Tantalum using indirect-extrusion technique**

**Omranpour Shahreza, Babak; Kommel, Lembit; Mikli, Valdek;** Garcia, Edgar; Huot, Jacques International journal of refractory metals and hard materials 2019 / p. 1-9 : ill <https://doi.org/10.1016/j.jrmhm.2018.10.018> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Nanostructured fluorite-type fluorides as electrolytes for fluoride ion batteries**

Rongeat, Carine; Reddy, M. Anji; **Witter, Raiker;** Fichtner, Maximilian Journal of Physical Chemistry C 2013 / p. 4943 - 4950 <https://doi.org/10.1021/jp3117825> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**New approaches for increasing demand-side flexibility**

**Ahmadihangar, Roya; Rosin, Argo; Palu, Ivo;** Azizi, Aydin Demand-side flexibility in smart grid 2020 / p. 51-62 [https://doi.org/10.1007/978-981-15-4627-3\\_5](https://doi.org/10.1007/978-981-15-4627-3_5) [Journal metrics at Scopus](#) [Article at Scopus](#)

**New higher order Haar wavelet method : application to FGM structures**

**Majak, Jüri; Pohlak, Meelis; Karjust, Kristo; Eerme, Martin; Kurnitski, Jarek;** Shvartsman, Boris Composite Structures 2018 / p. 72–78 : tab <https://doi.org/10.1016/j.compstruct.2018.06.013> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**New materials through a variety of sintering methods**

Jaworska, L.; Cyboron, J.; Cygan, Slawomir; Laszkiewicz-Łukasik, J.; Podsiadło, M.; Novak, P.; **Holovenko, Yaroslav** E-MRS Fall Symposium I: Solutions for Critical Raw Materials Under Extreme Conditions (E-MRS 2017) : Warsaw, Poland 18-21 September 2017 2018 / art. 012004 : ill <https://doi.org/10.1088/1757-899X/329/1/012004> [Conference proceeding at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

**New methodology for the antifungal testing of surfactant-free silver metal nanoparticles for applications in green housing**  
**Küüna, Siim; Kutti, Sander; Rauwel, Protima;** Wragg, David; **Hussainova, Irina; Rauwel, Erwan** Engineering materials and tribology : selected, peer reviewed papers from the 24th International Baltic Conference on Engineering Materials & Tribology (BALTMATRIB & IFHTSE 2015), November 5-6, 2015, Tallinn, Estonia 2016 / p. 133-138 : ill  
<https://doi.org/10.4028/www.scientific.net/KEM.674.133> [Conference Proceedings at Scopus](#) [Article at Scopus](#)

**A new six-level transformer-less grid-connected solar photovoltaic inverter with less leakage current**  
**Vosoughi Kurdkandi, Naser;** Marangalu, Milad Ghavipankeh; Mohammad-salehian, Shamim; Tarzamni, Hadi; Siwakoti, Yam P.; Islam, Md. Rabiul; Muttaqi, Kashem M. IEEE Access 2022 / p. 63736 - 63753: ill <https://doi.org/10.1109/ACCESS.2022.3182240> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Nickel oxide films by chemical spray : effect of deposition temperature and solvent type on structural, optical, and surface properties**  
**Chen, Zengjun; Dedova, Tatjana; Oja Acik, Ilona; Danilson, Mati; Krunk, Malle** Applied surface science 2021 / art. 149118  
<https://doi.org/10.1016/j.apsusc.2021.149118> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**NiO reduction by Mg plus C combined reducer at high heating rates**  
Zakaryan, Marieta; Nazaretyan, K.T.; **Aydinyan, Sofiya;** Kharatyan, Suren Journal of thermal analysis and calorimetry 2021 / p. 1811-1817 : ill <https://doi.org/10.1007/s10973-020-10148-5> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**NiTi-Cu bimetallic structure fabrication through wire arc additive manufacturing**  
Singh, Shalini; Demidova, Elena; Resnina, Natalia; Belyaev, Sergey; Iyampuram, P. A.; Paul, C. P.; **Prashanth, Konda Gokuldoss** Materials 2024 / art. 1006 <https://doi.org/10.3390/ma17051006> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Non-aldehyde resins based on resorcinol and natural alkylresorcinols modified with styrene**  
**Jurkeviciute, Ana; Grigorieva, Larisa; Tõnsuaadu, Kaia; Yashicheva, Tamara;** Bondarev, Dmitriy Materials research express 2023 / art. 105301 <https://doi.org/10.1088/2053-1591/acfd12> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Non-destructive eddy current measurements for silicon carbide heterostructure analysis**  
**Sahakyan, Armen; Koel, Ants; Rang, Toomas** Materials and contact characterisation VIII 2017 / p. 49-60 : ill  
<https://doi.org/10.2495/MC170061> [Conference proceedings at Scopus](#) [Article at Scopus](#)

**Non-equilibrium grain boundaries with excess energy in graphene**  
Romanov, A. E.; Kolesnikova, A. L.; Orlova, T. S.; **Hussainova, Irina;** Bougrov, V. E.; Valiev, R. Z. Carbon 2015 / p. 223-231 : ill  
<https://doi.org/10.1016/j.carbon.2014.09.053> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Nonlinear comparative optimization for biomaterials wear in artificial implant technology**  
**Casesnoves, Francisco** Materials science and applied chemistry II : 59th International Scientific Conference of Riga Technical University (RTU), Section of Materials Science and Applied Chemistry - MSAC 2018 2019 / p. 52-59  
<https://doi.org/10.4028/www.scientific.net/KEM.800.52> [Conference proceeding at Scopus](#) [Article at Scopus](#)

**Nonlinear waves and solitons in complex solids**  
Pastrone, Franco; **Engelbrecht, Jüri** Mathematics and mechanics of solids 2016 / p. 52-59 : ill  
<https://doi.org/10.1177/1081286515572245> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**A novel and high-gain switched-capacitor and switched-inductor-based DC/DC boost converter with low input current ripple and mitigated voltage stresses**  
Pirpoor, Samaneh; **Rahimpour, Saeed;** Andi, Mikaeil; Kanagaraj N.; Pirouzi, Sasan; Mohammed, Adil Hussein IEEE Access 2022 / p. 32782 - 32802 <https://doi.org/10.1109/ACCESS.2022.3161576> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**A novel approach to electroconductive ceramics filled by graphene covered nanofibers**  
**Drozdova, Maria; Hussainova, Irina V.;** Pérez-Coll, Domingo; **Aghayan, Marina; Ivanov, Roman A.;** Rodríguez, M. A. Materials and Design 2016 / p. 291 - 298 <https://doi.org/10.1016/j.matdes.2015.10.148> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**A novel approach to fabricate Si3N4 by selective laser melting**  
**Minasyan, Tatevik; Liu, Le; Aghayan, Marina; Kollo, Lauri; Kamboj, Nikhil Kumar; Aydinyan, Sofiya; Hussainova, Irina** Ceramics international 2018 / p. 13689-13694 : ill <https://doi.org/10.1016/j.ceramint.2018.04.208> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**A novel crack-free and refined 2195-Ti/CeB6 composites prepared by laser powder bed fusion**  
Xi, Lixia; Xu, Juncan; Gu, Dongdong; Feng, Lili; Lu, Qiuyang; **Prashanth, Konda Gokuldoss** Materials letters 2023 / art. 133572

**A novel crack-free Ti-modified Mo alloy designed for laser powder bed fusion**

Zhang, Cheng; Wang, Pei; Liu, C. Y.; Liu, Zhiyuan; Wu, Mingwei; Gao, X. H.; Li, M. H.; Yang, Chao; **Prashanth, Konda Gokuldoss**; Chen, Zhangwei Journal of alloys and compounds 2022 / art. 164802 <https://doi.org/10.1016/j.jallcom.2022.164802> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

**A novel framework for unification of association rule mining, online analytical processing and statistical reasoning**

**Sharma, Rahul; Kaushik, Minakshi; Arakkal Peious, Sijo**; Bazin, Alexandre; **Shah, Syed Attique**; Istok, Fister jr.; **Ben Yahia, Sadok; Draheim, Dirk** IEEE Access 2022 / p. 12792-12813 <https://doi.org/10.1109/ACCESS.2022.3142537> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

**Novel homogeneous gel fibers and capillaries from blend of titanium tetrabutoxide and siloxane functionalized ionic liquid**

Tarkanovskaja, Marta; Völbe, Raul; **Krumme, Andres** Ceramics international 2014 / p. 7729-7735 : ill <https://doi.org/10.1016/j.ceramint.2013.12.114> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

**Novel loading protocol combines highly efficient encapsulation of exogenous therapeutic toxin with preservation of extracellular vesicles properties, uptake and cargo activity**

Zuppone, Stefania; Zarovni, Natasa; Noguchi, Kosuke; **Loria, Francesca**; Morasso, Carlo; Löhmus, Andres; Nakase, Ikuhiko; Vago, Riccardo Discover Nano 2024 / art. 76 <https://doi.org/10.1186/s11671-024-04022-8> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

**Novel pathway for the combustion synthesis and consolidation of boron carbide**

Zakaryan, Marieta; Zurnachyan, Alina; Amirkhanyan, Narine; Kirakosyan, Hasmik; **Antonov, Maksim**; Rodriguez, Miguel Angel; **Aydinyan, Sofiya** Materials 2022 / art. 5042 <https://doi.org/10.3390/ma15145042> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

**Novel silicon-wollastonite based scaffolds for bone tissue engineering produced by selective laser melting**

**Kamboj, Nikhil Kumar**; Aghayan, Marina; Rodrigo-Vazquez, Sara; Rodriguez, Miguel Angel; **Hussainova, Irina** Ceramics International 2019 / p. 24691-24701 : ill <https://doi.org/10.1016/j.ceramint.2019.08.208> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

**A novel thermochemical metal halide treatment to high-performance Sb<sub>2</sub>Se<sub>3</sub> photocathode**

**Polivtseva, Svetlana**; Adegite Olanrewaju, Joseph; Kois, Julia; Mamedov, Damir; Zh. Karazhanov, Smagul; **Maricheva, Jelena**; **Volobujeva, Olga** Nanomaterials 2021 / art. 52, 14 p <https://doi.org/10.3390/nano11010052> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

**Novel treatment method for black liquor and biomass hydrolysate with partial wet oxidation**

**Muddassar, Hassan Raja**; Melin, Kristian; Kuppa, Sarada; Koskinen, Jukka; Hurme, Markku; De Kokkonen, Daniela; **Kallas, Juha** Cellulose chemistry and technology 2015 / p. 347-360 : ill [https://www.cellulosechemtechnol.ro/pdf/CCT3-4\(2015\)/p.347-360.pdf](https://www.cellulosechemtechnol.ro/pdf/CCT3-4(2015)/p.347-360.pdf) Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

**Novel universal power electronic interface for integration of pv modules and battery energy storages in residential DC microgrids**

**Sidorov, Vadim; Chub, Andrii; Vinnikov, Dmitri**; Lindvest, Andre IEEE Access 2023 / p. 30845-30858 <https://doi.org/10.1109/ACCESS.2023.3260640> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

**Novel welding of Al<sub>0.5</sub>CoCrFeNi high-entropy alloy: corrosion behavior**

Sokkalingam, Rathinavelu; Sivaprasad, Katakam; Duraiselvam, Muthukannan; Muthupandi, Veerappan; **Prashanth, Konda Gokuldoss** Journal of alloys and compounds 2020 / art. 153163, 6 p. : ill <https://doi.org/10.1016/j.jallcom.2019.153163> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

**nZEB renovation of multi-storey building with prefabricated modular panels**

**Pihelo, Peep; Kalamees, Targo; Kuusk, Kalle** IOP conference series : materials science and engineering 2017 / art. 012056, 8 p. : ill <https://doi.org/10.1088/1757-899X/251/1/012056> Conference proceedings at Scopus Article at Scopus Article at WOS

**Numerical simulation of energy localization in dynamic materials**

Berezovski, Mihail; **Berezovski, Arkadi** Advances in mechanics of microstructured media and structures 2018 / p. 75-83 [https://doi.org/10.1007/978-3-319-73694-5\\_5](https://doi.org/10.1007/978-3-319-73694-5_5) Article collection metrics at Scopus Article at Scopus Article at WOS

**Numerical study of Tallinn storm-water system flooding conditions using CFD simulations of multi-phase flow in a large-scale inverted siphon**

**Kaur, Katrin; Laanearu, Janek; Annus, Ivar** IOP conference series : materials science and engineering 2017 / art. 012128, 8 p. : ill <https://doi.org/10.1088/1757-899X/251/1/012128> Conference proceedings at Scopus Article at Scopus Article at WOS

#### **Observation of band gap fluctuations and carrier localization in Cu<sub>2</sub>CdGeSe<sub>4</sub>**

**Krustok, Jüri; Raadik, Taavi; Kaupmees, Reelika; Grossberg, Maarja; Kauk-Kuusik, Marit; Timmo, Kristi; Mere, Arvo** Journal of physics D : applied physics 2019 / art. 285102 , 7 p. : ill <https://doi.org/10.1088/1361-6463/ab1afd> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Oil shale ash based backfilling concrete - strength development, mineral transformations and leachability**

**Uibu, Mai; Somelar, Peeter; Raado, Lembi-Merike; Irha, Natalja; Hain, Tiina; Koroljova, Arina; Kuusik, Rein, keemik** Construction and building materials 2016 / p. 620-630 : ill <https://doi.org/10.1016/j.conbuildmat.2015.10.197> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **On nonlinear waves in media with complex properties**

**Engelbrecht, Jüri; Salupere, Andrus; Berezovski, Arkadi; Peets, Tanel; Tamm, Kert** Generalized models and non-classical approaches in complex materials ; 1 2018 / p. 275-286 [https://doi.org/10.1007/978-3-319-72440-9\\_13](https://doi.org/10.1007/978-3-319-72440-9_13) [Journal metrics at Scopus](#) [Article at Scopus](#)

#### **On the accuracy of the Haar wavelet discretization method**

**Majak, Jüri; Shvartsman, Boris; Karjust, Kristo; Mikola, Madis; Haavajõe, Anti; Pohlak, Meelis** Composites Part B : Engineering 2015 / p. 321-327 : tab <https://doi.org/10.1016/j.compositesb.2015.06.008> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **On the application of 2D discrete spectral analysis in case of the KP equation**

**Salupere, Andrus; Ratas, Mart** Mechanics research communications 2018 / p. 141-147 : ill <https://doi.org/10.1016/j.mechrescom.2017.08.010> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **On the concept of flexibility in electrical power systems : signs of inflexibility**

**Ahmadihangar, Roya; Rosin, Argo; Palu, Ivo; Azizi, Aydin** Demand-side flexibility in smart grid 2020 / p. 17-26 [https://doi.org/10.1007/978-981-15-4627-3\\_2](https://doi.org/10.1007/978-981-15-4627-3_2) [Journal metrics at Scopus](#) [Article at Scopus](#)

#### **On the effects of different regimes of plasma pulses affecting the material due to their succession**

**Paju, Jana; Laas, Tõnu; Priimets, Jaanis; Väli, Berit; Shirokova, Veroonika; Laas, Katrin** Nuclear materials and energy 2019 / p. 312-320 : ill <https://doi.org/10.1016/j.nme.2019.01.012> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **On the influence of internal degrees of freedom on dispersion in microstructured solids**

**Tamm, Kert; Peets, Tanel** Mechanics research communications 2013 / p. 106-111 : ill <https://doi.org/10.1016/j.mechrescom.2012.10.006> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **On the Mindlin microelasticity in one dimension**

**Berezovski, Arkadi** Mechanics research communications 2016 / p. 60-64 : ill <https://doi.org/10.1016/j.mechrescom.2016.09.005> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **On the potential of Transparent Rare-Earth-Free ZnAl<sub>2</sub>O<sub>4</sub> Ceramics targeted at the UV-C to UV-B emission**

**Rojas Hernandez, Rocio Estefania; Rubio-Marcos, Fernando; Romet, Ivo; Feldbach, Eduard; Buryi, Maksym; John, David; Ivanov, Roman; Hussainova, Irina; Fernandez, José F.; Nagirnyi, Vitali** Applied materials today 2024 / ar. 102230, 14 p. : ill <https://doi.org/10.1016/j.apmt.2024.102230> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **On the wave dispersion in microstructured solids**

**Berezovski, Arkadi; Yildizdag, M. Erden; Scerrato, Daria** Continuum mechanics and thermodynamics 2020 / p. 569-588 <https://doi.org/10.1007/s00161-018-0683-1> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **One-dimensional microelasticity**

**Berezovski, Arkadi; Ván, Peter** Internal variables in thermoelasticity 2017 / p. 99-111 [https://doi.org/10.1007/978-3-319-56934-5\\_7](https://doi.org/10.1007/978-3-319-56934-5_7) [Article collection metrics at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

#### **One-dimensional thermoelasticity with dual internal variables**

**Berezovski, Arkadi; Ván, Peter** Internal variables in thermoelasticity 2017 / p. 147-162 [https://doi.org/10.1007/978-3-319-56934-5\\_11](https://doi.org/10.1007/978-3-319-56934-5_11) [Article collection metrics at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

#### **One-source PVD of n-CuIn<sub>5</sub>Se<sub>8</sub> photoabsorber films for hybrid solar cells**

**Bereznev, Sergei; Adhikari, Nirmal; Kois, Julia; Raadik, Taavi; Traksmaa, Rainer; Volobujeva, Olga; Kouhiisfahani, Elham; Öpik, Andres** Solar energy 2013 / p. 202-208 : ill <https://doi.org/10.1016/j.solener.2013.04.027> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **One-stage pulsed laser deposition of conductive zinc oxysulfide layers**

**Bereznev, Sergei; Kocharyan, Hrachya; Maticiuc, Natalia; Naidu, Revathi; Volobujeva, Olga; Tverjanovich, Andrey; Kois, Julia** Applied surface science 2017 / p. 722-727 : ill <https://doi.org/10.1016/j.apsusc.2017.07.078> [Journal metrics at Scopus](#) [Article at Scopus](#)

**One-step carbon nanotubes grafting with styrene-co-acrylonitrile by reactive melt blending for electrospinning of conductive reinforced composite membranes**

**Vassiljeva, Viktoria; Kirikal, Kristi;** Hietala, S.; **Kaljuvee, Tiit; Mikli, Valdek;** Rähn, Mihkel; **Tarasova, Elvira; Krasnou, Illia; Viirsalu, Mihkel; Savest, Natalja; Plamus, Tiia; Javed, Kashif; Krumme, Andres** Fullerenes, nanotubes and carbon nanostructures 2017 / p. 667–677 : ill <https://doi.org/10.1080/1536383X.2017.1394847> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**On-line data validation in distributed data fusion**

**Preden, Jürjo-Sören;** Llinas, James; Rogova, Galina; **Pahtma, Raido; Mõtus, Leo** Ground/air multisensor interoperability, integration, and networking for persistent ISR IV 2013 / p. 1-12 : ill <https://doi.org/10.1117/12.2016249> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

**Online detection of out-of-step condition using PMU-determined system impedances**

**Tealane, Marko; Kilter, Jako;** Popov, Marjan; Bagleybter, Oleg; Klaar, Danny IEEE Access 2022 / p. 14807-14818 <https://doi.org/10.1109/ACCESS.2022.3149103> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Open urban mmWave radar and camera vehicle classification dataset for traffic monitoring**

**Soom, Jürgen; Leier, Mairo; Janson, Karl; Tuhtan, Jeffrey A.** IEEE Access 2024 / p. 65128 - 65140 <https://doi.org/10.1109/ACCESS.2024.3397013> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Opportunities and challenges of utilizing additive manufacturing approaches in thermal management of electrical machines**

**Ghahfarokhi, Payam Shams;** Podgornovs, Andrejs; **Kallaste, Ants;** Cardoso, Antonio J. Marques; **Belahcen, Anouar; Vaimann, Toomas; Tiismus, Hans; Asad, Bilal** IEEE Access 2021 / art. 9364970, p. 36368-36381 : ill <https://doi.org/10.1109/ACCESS.2021.3062618> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Optical and photoelectric properties of nanolamellar structures obtained by thermal annealing of InSe plates in Zn vapours**

Untila, Dumitru; Evtodiev, Igor; Caraman, Iuliana; **Spalatu, Nicolae;** Dmitroglou, Liliana; Caraman, Mihail Physica status solidi (a) : applications and materials science 2018 / art. 1700434, p. 1-7 : ill <https://doi.org/10.1002/pssa.201700434> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Optical and structural properties of orthorhombic and tetragonal polymorphs of Cu<sub>2</sub>CdGeSe<sub>4</sub>**

**Grossberg, Maarja; Raadik, Taavi; Krustok, Jüri; Kauk-Kuusik, Marit; Timmo, Kristi; Kaupmees, Reelika; Mikli, Valdek; Mere, Arvo** Thin solid films 2018 / p. 44-47 <https://doi.org/10.1016/j.tsf.2018.09.031> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Optical dynamics of copper-doped cadmium sulfide (CdS) and zinc sulfide (ZnS) quantum-dots core/shell nanocrystals**

Rashid, Muhammad Haroon; **Koel, Ants; Rang, Toomas;** Nasir, Nadeem; Sabir, Nadeem; Ameen, Faheem; Rasheed, Abher Nanomaterials 2022 / art. 2277 <https://doi.org/10.3390/nano12132277> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Optical spectroscopy methods for the characterization of sol-gel materials**

Marques, Ana C.; **Rojas Hernandez, Rocio Estefania;** Almeida, Rui M. Journal of Sol-Gel science and technology 2021 / 43 p. : ill <https://doi.org/10.1007/s10971-021-05592-0> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Optical spectroscopy studies of Cu<sub>2</sub>ZnSnSe<sub>4</sub> thin films**

Yakushev, M. V.; Forbes, I.; Mudryi, A. V.; **Grossberg, Maarja; Krustok, Jüri; Beattie, N. S.;** Moynihan, M.; Rockett, A.; Martin, R. W. Thin solid films 2015 / p. 154-157 : ill <https://doi.org/10.1016/j.tsf.2014.09.010> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Optimal design of system of cross-beams**

**Arjassov, Gennadi; Žigailov, Sergei** Mechatronic systems and materials IV 2013 / p. 675-680 : ill <https://doi.org/10.4028/www.scientific.net/SSP.198.675> [Article collection metrics at Scopus](#) [Article at Scopus](#) [Article collection metrics at WOS](#) [Article at WOS](#)

**Optimal mechanical properties of Hydroxyapatite gradient Voronoi porous scaffolds for bone applications — a numerical study**

**Rezapourianghahfarokhi, Mansoureh; Hussainova, Irina** Journal of the mechanical behavior of biomedical materials 2023 / art. 106232 <https://doi.org/10.1016/j.jmbbm.2023.106232> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Optimisation of plant mediated synthesis of silver nanoparticles by common weed Plantago major and their antimicrobial properties**

**Küüna, Siim**; Visnapuu, Meeri; **Volobujeva, Olga**; Soares Rosario, Maria; **Rauwel, Protima**; **Rauwel, Erwan** IOP Conference Series : Materials Science and Engineering 2019 / art. 012003 <https://doi.org/10.1088/1757-899X/613/1/012003> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

**Optimisation of the ethylene glycol reduction method for the synthesis of platinum-ceria-carbon materials as catalysts for the methanol oxidation reaction**

Nguyen, Huy; Nerut, Jaak; Kasuk, Heili; Härmä, Meelis; Valk, Peeter; Romann, Tavo; Koppel, Miriam; Teppor, Patrick; Aruväli, Jaan; Korjus, Ove; **Volobujeva, Olga**; Lust, Enn Journal of solid state electrochemistry 2023 / p. 313–326 : ill <https://doi.org/10.1007/s10008-022-05326-4> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Optimisation of trabecular bone mimicking silicon-hydroxyapatite based composite scaffolds processed through selective laser melting**

Ressler, Antonia; **Kamboj, Nikhil Kumar**; Ivanković, Hrvoje; Hussainova, Irina Open Ceramics 2022 / art. 100252 <https://doi.org/10.1016/j.oceram.2022.100252> [Journal metrics at Scopus](#) [Article at Scopus](#)

**Optimization of La<sub>0.2</sub>Sr<sub>0.7</sub>-xCa xTi<sub>0.95</sub>Fe<sub>0.05</sub>O<sub>3</sub>-δ fuel electrode stoichiometry for solid oxide fuel-cell application**

Paydar, Sara; Kooser, Kuno; Möller, Priit; **Volobujeva, Olga**; Granroth, Sari; Lust, Enn; Nurk, Gunnar ACS Applied Energy Materials 2022 / p. 10119 - 10129 <https://doi.org/10.1021/acsaem.2c01808> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Optimization of lift force of mini quadrotor helicopter by changing of gap size between rotors**

**Aleksandrov, Dmitri**; **Penkov, Igor** Mechatronic systems and materials IV 2013 / p. 226-231 : ill <https://doi.org/10.4028/www.scientific.net/SSP.198.226> [Article collection metrics at Scopus](#) [Article at Scopus](#) [Article collection metrics at WOS](#) [Article at WOS](#)

**Optimization of mechanical strength of titania fibers fabricated by direct drawing**

Hanschmid, Kelli; Tätte, Tanel; **Hussainova, Irina** Applied physics. A, Materials science & processing 2013 / p. 663-671 : ill <https://doi.org/10.1007/s00339-013-7601-y> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Optimization of physical activity recognition for real-time wearable systems : effect of window length, sampling frequency and number of features**

**Allik, Ardo**; **Pilt, Kristjan**; **Karai, Deniss**; **Fridolin, Ivo**; **Leier, Mairo**; **Jervan, Gert** Applied sciences 2019 / art. 4833, 14 p. : ill <https://doi.org/10.3390/app9224833> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Optimization of radiators, underfloor and ceiling heater towards the definition of a reference ideal heater for energy efficient buildings**

**Ferrantelli, Andrea**; **Vösa, Karl-Villem**; **Kurnitski, Jarek** Applied sciences 2018 / art. 2477, 22 p. : ill <https://doi.org/10.3390/app8122477> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Optimization of structure of hardmetal reinforced iron-based PM hardfacings for abrasive wear conditions**

**Simson, Taavi**; **Kulu, Priit**; **Surženkov, Andrei**; **Goljandin, Dmitri**; **Tarbe, Riho**; **Tarraste, Marek**; **Viljus, Mart** Engineering materials and tribology XXV 2017 / p. 351-355 <https://doi.org/10.4028/www.scientific.net/KEM.721.351> [Conference proceedings at Scopus](#) [Article at Scopus](#)

**Optimization of the Sb<sub>2</sub>S<sub>3</sub> shell thickness in ZnO nanowire-based extremely thin absorber solar cells**

Hector, Guislain; **Eensalu, Jako Siim**; **Katerski, Atanas**; **Oja Acik, Ilona**; **Kärber, Erki** Nanomaterials 2022 / art. 198 <https://doi.org/10.3390/nano12020198> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Optimized modulation scheme for four-leg quasi Z-source inverter : reducing power loss and improving output quality**

Abid, Abderahmane; **Bakeer, Abualkasim Ahmed Ali**; Albalawi, Hani; Zellouma, Laid; Bouzidi, Mansour; Lashab, Abderezak; Rabhi, Boualaga; **Chub, Andrii** IEEE Access 2023 / p. 94125-94137 <https://doi.org/10.1109/ACCESS.2023.3305263> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Optimizing the processing of shellfish (Mytilus edulis and M. trossulus Hybrid) biomass cultivated in the Low Salinity Region of the Baltic Sea for the extraction of meat and proteins**

**Adler, Indrek**; **Kotta, Jonne**; Tuvikene, Rando; Kaldre, Katrin Applied sciences 2022 / art. 5163, 11 p. : ill <https://doi.org/10.3390/app12105163> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Organic and carbon aerogels containing rare-earth metals : their properties and application as catalysts**

**Kreek, Kristiina**; **Kriis, Kadri**; **Maaten, Birgit**; **Uibu, Mai**; **Mere, Arvo**; **Kanger, Tõnis**; **Koel, Mihkel** Journal of non-crystalline solids 2014 / p. 43-48 : ill <https://doi.org/10.1016/j.jnoncrysol.2014.07.021> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Origin of photoluminescence from antimony selenide**

**Grossberg, Maarja**; **Volobujeva, Olga**; **Penežko, Aleksei**; **Kaupmees, Reelika**; **Raadik, Taavi**; **Krustok, Jüri** Journal of alloys and compounds 2020 / art. 152716, 5 p. : ill <https://doi.org/10.1016/j.jallcom.2019.152716> [Journal metrics at Scopus](#) [Article at Scopus](#)

**Out-of-step protection based on discrete angle derivatives**

Tealane, Marko; Kilter, Jako; Bagleybter, Oleg; Heimisson, Birkir; Popov, Marjan IEEE Access 2022 / p. 78290-78305

<https://doi.org/10.1109/ACCESS.2022.3193390> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Overheating risk and energy demand of nordic old and new apartment buildings during average and extreme weather conditions under a changing climate**

Farahani, Azin Velashjerdi; Jokisalo, Juha; Korhonen, Natalia; Jylhä, Kirsti; Ruosteenoja, Kimmo; Kosonen, Risto Applied

sciences 2021 / art. 3972, 25 p. : ill <https://doi.org/10.3390/app11093972> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Overview of Hard Cyclic viscoplastic Deformation as a new SPD method for modifying and studying the structure and properties of Cu-alloys**

Kommel, Lembit Materials Transactions 2024 / p. 109-118 <https://doi.org/10.2320/matertrans.MT-M2023136> [Journal metrics at Scopus](#)

[Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**An overview of lifetime management of power electronic converters**

Rahimpour, Saeed; Tarzamni, Hadi; Vosoughi Kurdkandi, Naser; Husev, Oleksandr; Vinnikov, Dmitri; Tahami, Farzad IEEE

Access 2022 / p. 109688-109711 <https://doi.org/10.1109/ACCESS.2022.3214320> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Oxidation energy efficiency in water treatment with gas-phase pulsed corona discharge as a function of spray density**

Tikker, Priit; Kornev, Iakov; Preis, Sergei Journal of electrostatics 2020 / art. 103466, 5 p. : ill

<https://doi.org/10.1016/j.elstat.2020.103466> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Oxidation of aqueous organic molecules in gas-phase pulsed corona discharge affected by sodium dodecyl sulphate: Explanation of variability**

Onga, Liina; Boroznjak, Roman; Kornev, Iakov; Preis, Sergei Journal of electrostatics 2021 / art. 103581, 6 p

<https://doi.org/10.1016/j.elstat.2021.103581> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Oxidation of reactive azo-dyes with pulsed corona discharge : surface reaction enhancement**

Onga, Liina; Kornev, Iakov; Preis, Sergei Journal of electrostatics 2020 / art. 103420, 5 p. : ill

<https://doi.org/10.1016/j.elstat.2020.103420> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Oxidation of spark plasma sintered ZrC-Mo and ZrC-TiC composites**

Yung, Der-Liang; Maaten, Birgit; Antonov, Maksim; Hussainova, Irina International journal of refractory metals and hard materials

2017 / p. 244-251 : ill <https://doi.org/10.1016/j.ijrmhm.2017.03.019> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Oxidation of ubiquitous aqueous pharmaceuticals with pulsed corona discharge**

Derevshchikov, Vladimir; Dulova, Niina; Preis, Sergei Journal of electrostatics 2021 / art. 103567, 9 p.: ill

<https://doi.org/10.1016/j.elstat.2021.103567> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Oxygen electroreduction on platinum nanoparticles activated electrodes deposited onto D-glucose derived carbon support in 0.1 M KOH**

Taleb, Masoud; Nerut, Jaak; Tooming, Tauno; Thomborg, Thomas; Lust, Enn Journal of The Electrochemical Society 2016 / p.

F1251-F1257 <https://doi.org/10.1149/2.1051610jes> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Oxygen electroreduction on platinum nanoparticles deposited onto D-glucose derived carbon**

Taleb, Masoud; Nerut, Jaak; Tooming, Tauno; Thomborg, Thomas; Jänes, Alar; Lust, Enn Journal of the Electrochemical Society

2015 / p. F651 - F660 <https://doi.org/10.1149/2.0231507jes> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Oxygen reduction on silver nanoparticles supported on carbide-derived carbons**

Linge, Jonas Mart; Erikson, Heiki; Merisalu, Maido; Kaljuvee, Tiit Journal of the electrochemical society 2018 / p. F1199–F1205

<https://doi.org/10.1149/2.0711814jes> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Parallel investigation of double forged pure tungsten samples irradiated in three DPF devices**

Gribkov, V. A.; Shirokova, Veronika; Pokatilov, Andrei; Parker, Martin Journal of nuclear materials 2015 / p. 341-346 : ill

<https://doi.org/10.1016/j.jnucmat.2014.11.080> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Parametric study on in situ Laser powder bed fusion of Mo(Si<sub>1-x</sub>Al<sub>x</sub>)<sub>2</sub>**

Minasyan, Tatevik; Aydinyan, Sofiya; Toyserkani, Ehsan; Hussainova, Irina Materials 2020 / art. 4849, 17 p. : ill

<https://doi.org/10.3390/ma13214849> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Pattern formation of elastic waves and energy localization due to elastic gratings**

**Berezovski, Arkadi; Engelbrecht, Jüri; Berezovski, Mihail** International journal of mechanical sciences 2015 / p. 137-144 : ill <https://doi.org/10.1016/j.jimecs.2015.07.027> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Pavement distress detection with deep learning using the orthoframes acquired by a mobile mapping system**

**Riid, Andri; Lõuk, Roland; Pihlak, Rene; Tepljakov, Aleksei; Vassiljeva, Kristina** Applied sciences 2019 / art. 4829, 22 p. : ill <https://doi.org/10.3390/app9224829> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **PCL/Si-doped multi-phase calcium phosphate scaffolds derived from cuttlefish bone**

**Ressler, Antonia; Bauer, Leonard; Prebeg, Teodora; Ledinski, Maja; Hussainova, Irina; Urlic, Inga; Ivankovic, Marica; Ivankovic, Hrvoje** Materials 2022 / art. 3348 <https://doi.org/10.3390/ma15093348> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **A PD-type iterative learning algorithm for semi-linear distributed parameter systems with sensors/actuators**

**Zhang, Jianxiang; Cui, Baotong; Jiang, Zhengxian; Chen, Juan** IEEE Access 2019 / p. 159037-159047 : ill <https://doi.org/10.1109/ACCESS.2019.2950456> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Peculiarities of microstructure evolution and property changes of titanium alloys in situ during electric forging**

**Kommel, Lembit** Materials performance and characterization 2020 / p. 75-88 : ill <https://doi.org/10.1520/MPC20190109> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **PenChain: a blockchain-based platform for penalty-aware service provisioning**

**Nguyen, Trung-Viet; Le, Lam-Son; Shah, Syed Attique; Hameed, Sufian; Draheim, Dirk** IEEE Access 2024 / p. 1005-1030 : ill <https://doi.org/10.1109/ACCESS.2023.3344038> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Performance evaluation of cement mortar and concrete with incorporated micro fillers obtained by collision milling in disintegrator**

**Bumanis, Girts; Bajare, Diana; Goljandin, Dmitri** Ceramics-silikáty 2017 / p. 231-243 : ill <https://doi.org/10.13168/cs.2017.0021> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Performance improvement of decision tree : a robust classifier using tabu search algorithm**

**Hafeez, Muhammad Asfand; Rashid, Muhammad; Tariq, Hassan; Abideen, Zain Ul; Alotaibi, Saud S.; Sinky, Mohammed H.** Applied Sciences (Switzerland) 2021 / art. 6728 <https://doi.org/10.3390/app11156728> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Performance of ceramic-metal composites as potential tool materials for friction stir welding of aluminium, copper and stainless steel**

**Kolnes, Mart; Kübarsepp, Jakob; Sergejev, Fjodor; Kolnes, Märt; Tarraste, Marek; Viljus, Mart** Materials 2020 / art. 1994, 18 p. : ill <https://doi.org/10.3390/ma13081994> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Performance of polyimide and PTFE based composites under sliding, erosive and high stress abrasive conditions**

**Kumar, Rahul, 1993-; Malaval, Bastien; Antonov, Maksim; Zhaoc, Gai** Tribology international 2020 / art. 106282 <https://doi.org/10.1016/j.triboint.2020.106282> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Performances of PID and different fuzzy methods for controlling a ball on beam**

**Vu, Trieu Minh; Tamre, Mart; Moezzi, Reza; Mets, Oliver; Jürise, Mart; Pölder, Ahti; Teder, Leo; Juurma, Märt** Open engineering 2016 / p. 145-151 : ill <https://doi.org/10.1515/eng-2016-0018> [Journal metrics at Scopus](#) [Article at Scopus](#)

### **Periodic functionalization of graphene-layered alumina nanofibers with aromatic thermosetting copolyester via epitaxial step-growth polymerization**

**Bakir, Mete; Meyer, Jacob L.; Hussainova, Irina; Sutrisno, Andre; Economy, James; Jasiuk, Iwona** Macromolecular chemistry and physics 2017 / art. 1700338, 6 p. : ill <https://doi.org/10.1002/macp.201700338> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Permeability of water and oleic acid in composite films of phase separated polypropylene and cellulose stearate blends**

**Krasnou, Illia; Gardebjer, Sofie; Tarasova, Elvira; Larsson, Anette; Westman, Gunnar; Krumme, Andres** Carbohydrate polymers 2016 / p. 450-458 : tab. <https://doi.org/10.1016/j.carbpol.2016.07.016> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Perspectives of metal-diamond composites additive manufacturing using SLM-SPS and other techniques for increased wear-impact resistance**

**Rahmani Ahranjani, Ramin; Brojan, Miha; Antonov, Maksim; Prashanth, Konda Gokuldoss** International journal of refractory metals and hard materials 2020 / art. 105192, 13 p. : ill <https://doi.org/10.1016/j.jrmhm.2020.105192> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Phase formation, microstructure and mechanical properties of Mg67Ag33 as potential biomaterial**

Kosiba, Konrad; **Prashanth, Konda Gokuldoss**; Scudino, Sergio Metals 2021 / art. 461, 10 p. : ill  
<https://doi.org/10.3390/met11030461> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Phase transformations in porous materials studied by in situ solid-state NMR spectroscopy and in situ X-ray diffraction**  
Paula, Carolin; Wissler, Dorothea; Rangus, Mojca; **Vanatalu, Kalju; Oss, Andres; Org, Mai-Liis; Samoson, Ago**; Hartmann, M. The journal of physical chemistry C 2020 / p. 19136–19145 : ill <https://doi.org/10.1021/acs.jpcc.0c05921> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Phase, microstructure, and wear behavior of Al<sub>2</sub>O<sub>3</sub>-reinforced Fe–Si alloy-based metal matrix nanocomposites**  
Saxena, Akash; **Singh, Neera**; Singh, Bhupendra; Kumar, Devendra; Sadasivuni, Kishor Kumar; Gupta, Pallav; Kumar, Devendra Proceedings of the institution of mechanical engineers part L Journal of Materials Design and Applications Journal of materials design and applications 2020 / art. 146442071989338, p. 467–480 <https://doi.org/10.1177/1464420719893387> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**A phenotypic approach to probing cellular outcomes using heterobivalent constructs**  
**Bhadoria, Rohit; Ping, Kefeng; Lohk, Christer; Järving, Ivar; Starkov, Pavel** Chemical Communications 2020 / p. 4216 – 4219  
<https://doi.org/10.1039/c9cc09595k> <https://pubs.rsc.org/en/content/articlelanding/2020/cc/c9cc09595k> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Photo-assisted electrodeposition of polypyrrole back contact to CdS/CdTe solar cell structures**  
**Jarkov, Aleksandr; Bereznev, Sergei; Volobujeva, Olga; Traksmaa, Rainer; Tverjanovich, Andrey; Öpik, Andres; Mellikov, Enn** Thin solid films 2013 / p. 198–201 : ill <https://doi.org/10.1016/j.tsf.2013.01.064> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Photocontrolled strain in polycrystalline ferroelectrics via domain engineering strategy**  
Rubio-Marcos, Fernando; Del Campo, Adolfo; Ordonez-Pimentel, Jonathan; Venet, Michel; **Rojas Hernandez, Rocio Estefania**; Paez-Margarit, David; Ochoa, Diegi A.; Fernandez, Jose Francisco; Garcia, Jose E. ACS applied materials and interfaces ACS applied materials & interfaces 2021 / p. 20858–20864 <https://doi.org/10.1021/acsami.1c03162> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Photocurrent generation in carbon nanotube/cubic-phase HfO<sub>2</sub> nanoparticle hybrid nanocomposites**  
**Rauwel, Protima; Galeckas, Augustinas; Salumaa, Martin; Ducroquet, Frederiquet; Rauwel, Erwan** Beilstein journal of nanotechnology 2016 / p. 1075–1085 : ill <https://doi.org/10.3762/bjnano.7.101> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Photoelectric and photoluminescence properties of CdTe-GaTe composite**  
Caraman, Iuliana; **Spalatu, Nicolae**; Evtodiev, Igor; Untila, Dumitru; Leontie, Liviu; Caraman, Mihail Physica status solidi (b) 2016 / p. 2515–2522 : ill <https://doi.org/10.1002/pssb.201600485> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Photoelectrochemical properties and band positions of Cd-substituted tetrahedrite Cu<sub>10</sub>Cd<sub>2</sub>Sb<sub>4</sub>S<sub>13</sub> monograin materials grown in molten CdI<sub>2</sub> and LiI**  
**Ghisani, Fairouz; Timmo, Kristi; Altosaar, Mare; Oueslati, Souhaib; Pilvet, Maris; Kauk-Kuusik, Marit** Thin Solid Films 2022 / art. 139030 <https://doi.org/10.1016/j.tsf.2021.139030> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Photoluminescence study of B-trions in MoS<sub>2</sub> monolayers with high density of defects**  
**Kaupmees, Reelika**; Komsa, Hannu-Pekka; **Krustok, Jüri** Physica status solidi (b) 2019 / art. 1800384, 5 p. : ill  
<https://doi.org/10.1002/pssb.201800384> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**A photoluminescence study of CuInSe<sub>2</sub> single crystals ion implanted with 5 keV hydrogen**  
Yakushev, Michael Vasilievich; **Krustok, Jüri; Grossberg-Kuusk, Maarja**; Volkov, Vladimir A.; Mudryi, Alexander V.; Martin, Robert W. Journal of Physics D: Applied Physics 2016 / art. 105108 <https://doi.org/10.1088/0022-3727/49/10/105108> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Photoluminescence study of deep donor- deep acceptor pairs in Cu<sub>2</sub>ZnSnS<sub>4</sub>**  
**Krustok, Jüri; Raadik, Taavi; Grossberg, Maarja; Kauk-Kuusik, Marit; Trifiletti, V.; Binetti, S.** Materials science in semiconductor processing 2018 / p. 52–55 : ill <https://doi.org/10.1016/j.mssp.2018.02.025> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Photoluminescence study of defect clusters in Cu<sub>2</sub>ZnSnS<sub>4</sub> polycrystals**  
**Grossberg, Maarja; Raadik, Taavi; Raudoja, Jaan; Krustok, Jüri** Current applied physics 2014 / p. 447–450 : ill  
<https://doi.org/10.1016/j.cap.2013.12.029> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Photoluminescence study of disordering in the cation sublattice of Cu<sub>2</sub>ZnSnS<sub>4</sub>**  
**Grossberg, Maarja; Krustok, Jüri; Raadik, Taavi; Kauk-Kuusik, Marit; Raudoja, Jaan** Current applied physics 2014 / p. 1424–

#### **Photoredox-catalyzed direct C–H monofluoromethylation of heteroarenes**

Ramkumar, Nagarajan; Plantus, Ketrina; Ozola, Melita; Mishnev, Anatoly; Nikolajeva, Vizma; Senkovs, Maris; **Ošek, Maksim**; Veliks, Janis New journal of chemistry 2023 / p. 20642-20652 <https://doi.org/10.1039/D3NJ04313D> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

#### **Photoreflectance and photoluminescence study of antimony selenide crystals**

Kondrotas, Rokas; Nedzinskas, Ramunas; **Krustok, Jüri**; Grossberg-Kuusk, Maarja; Talaikis, Martynas; Tumėnas, Saulius; Suchodolskis, Arturas; Žaltauskas, Raimundas; Sereika, Raimundas ACS Applied Energy Materials 2022 / p. 14769-14778 <https://doi.org/10.1021/acsaem.2c02131> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at Scopus

#### **Physical-chemical interaction in NiAl-MeB<sub>2</sub> systems intended for tribological applications**

Umanskyi, Oleksandr; Poliarus, Olena; Ukrainets, Maksym; **Antonov, Maksim** Welding journal 2015 / p. 225-230 : ill <https://aws-p-001-delivery.sitecorecontenthub.cloud/api/public/content/de3281a8c6654d108b8b8dfcdf286c4b?v=1c0c676e> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

#### **Physical–mechanical properties and morphology of filled low-density polypropylene: comparative study on calcium carbonate with oil shale and coal ashes**

**Krasnou, Illia**; Nadeem, Faisal; Gregor, Andre; Yörük, Can Rüstü; Krumme, Andres Journal of Vinyl and Additive Technology 2022 / p. 94-103 : ill <https://doi.org/10.1002/vnl.21869> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

#### **Piezoelectric compensation of structural damping in metamaterial beams: stability and performance analysis**

**Alimohammadi, Hossein**; Vassiljeva, Kristina; Hosseinia, S. Hassan; Ellervee, Peeter; Petlenkov, Eduard Active and Passive Smart Structures and Integrated Systems XVIII 2024 / art. 129460J, 11 p. : ill <https://doi.org/10.1117/12.3024120> Conference proceedings at Scopus Article at Scopus Article at WOS

#### **A PL and PLE study of high Cu content Cu<sub>2</sub>ZnSnSe<sub>4</sub> films on Mo/Glass and solar cells**

Sulimov, Mikhail A.; Yakushev, Michael V.; Forbes, I.; Prieto, J.M.; **Krustok, Jüri**; Edwards, P. R.; Martin, R.W. Physics of the solid state 2019 / p. 908-917 <https://doi.org/10.1134/S1063783419050214> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

#### **Plasmon resonance effect caused by gold nanoparticles formed on titanium oxide films**

Tamm, Aile; **Oja Acik, Ilona**; Krunks, Malle; Mere, Arvo Thin solid films 2016 / p. 449-455 : ill <https://doi.org/10.1016/j.tsf.2016.08.059> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

#### **Plasmonic effect of spray-deposited Au nanoparticles on the performance of CSS CdS/CdTe solar cells**

**Spalatu, Nicolae**; Hiie, Jaan; Maticiu, Natalia; Krunks, Malle; Katerski, Atanas; Mikli, Valdek; Sildos, Ilmo Applied surface science 2015 / p. 69-73 : ill <https://doi.org/10.1016/j.apsusc.2015.04.065> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

#### **Plasmonic modification of CdTe thin films by gold nanoparticles : methods, difficulties and solutions**

**Maticiu, Natalia**; Spalatu, Nicolae; Katerski, Atanas; Hiie, Jaan; Mikli, Valdek; Krunks, Malle; Dolgov, Leonid; Sildos, Ilmo Microelectronic engineering 2014 / p. 173-178 : ill <https://doi.org/10.1016/j.mee.2014.07.016> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

#### **Plasmonic TiO<sub>2</sub>:Au composite layers deposited in situ by chemical spray pyrolysis**

**Oja Acik, Ilona**; Oyekoya, Gboyega Nathaniel; Mere, Arvo; Loot, Ardi; Dolgov, Leonid; Mikli, Valdek; Krunks, Malle; Sildos, Ilmo Surface and coatings technology 2015 / p. 27-31 : ill <https://doi.org/10.1016/j.surfcoat.2015.01.036> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

#### **Plastic deformation mechanisms in severely strained eutectic high entropy composites explained via strain rate sensitivity and activation volume**

Maity, Tapabrata; Prashanth, Konda Gokuldoss; Balci, Özge; Wang, Zhi; Jia, Yandong; Eckert, Juergen H. Composites Part B : Engineering 2018 / p. 7-13 <https://doi.org/10.1016/j.compositesb.2018.05.033> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

#### **PLM optimization with cooperation of PMS in production stage**

**Paavel, Marko**; Snatkin, Aleksei; Karjust, Kristo Archives of materials science and engineering 2013 / p. 38-45 : ill [https://www.researchgate.net/publication/288610845\\_PLM\\_optimization\\_with\\_cooperation\\_of\\_PMS\\_in\\_production\\_stage](https://www.researchgate.net/publication/288610845_PLM_optimization_with_cooperation_of_PMS_in_production_stage) Journal metrics at Scopus article at Scopus

#### **p–n junction improvements of Cu<sub>2</sub>ZnSnS<sub>4</sub>/CdS monograin layer solar cells**

**Kauk-Kuusik, Marit**; Timmo, Kristi; Danilson, Mati; Altosaar, Mare; Grossberg, Maarja; Ernits, Kaia Applied surface science 2015 / p. 795-798 : ill <https://doi.org/10.1016/j.apsusc.2015.09.094> Journal metrics at Scopus Article at Scopus Journal metrics at WOS

**Poly(alkanoyl isosorbide methacrylate)s : from amorphous to semicrystalline and liquid crystalline biobased materials**

Laanesoo, Siim; Bonjour, Olivier; **Parve, Jaan; Parve, Omar**; Matt, Livia; Vares, Lauri; Jannasch, Patric Biomacromolecules 2021 / p. 640-648 <https://doi.org/10.1021/acs.biomac.0c01474> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Polyverif : an open-source environment for autonomous vehicle validation and verification research acceleration**

Razdan, Rahul; Akbas, Mustafa Ilhan; **Sell, Raivo; Bellone, Mauro**; Menase, Mahesh; **Malayjerdi, Mohsen** IEEE Access 2023 / p. 28343-28354 <https://doi.org/10.1109/ACCESS.2023.3258681> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Pore distribution and water uptake in a cenosphere-cement paste composite material**

**Baroninš, Janis**; Setina, Jekaterina; Sahmenko, G.; Lagzdina, S.; Shishkin, Andrei 2nd International Conference on Innovative Materials, Structures and Technologies 30 September to 2 October 2015, Riga, Latvia 2015 / art. 012011, 8 p. : ill <https://doi.org/10.1088/1757-899X/96/1/012011> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

**Porphyrin-based hybrid nanohelices : cooperative effect between molecular and supramolecular chirality on amplified optical activity**

Anfar, Zakaria; Kuppan, Balamurugan; Scalabre, Antoine; Nag, Rahul; Pouget, Emilie; Nlate, Sylvain; Magna, Gabriele; Di Filippo, Ilaria; Monti, Donato; Naitana, Mario L.; Stefanelli, Manuela; **Nikonovich, Tatsiana; Borovkov, Victor; Aav, Riina**; Paolesse, Roberto; Oda, Reiko The journal of physical chemistry B 2024 / p. 1550-1556 <https://doi.org/10.1021/acs.jpcc.3c07153> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Positive pressure effect on moisture performance in a school building**

**Ferrantelli, Andrea**; Vormanen-Winqvist, Camilla; Mattila, Milla; Salonen, Heidi; **Kurnitski, Jarek** Journal of building physics 2019 / p. 121-142 : ill <https://doi.org/10.1177/1744259119837144> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**A positively charged composite loose nanofiltration membrane for water purification from heavy metals**

Peydayesh, Mohammad; Mohammadi, Toraj; **Nikouzad, Sohail Kordmirza** Journal of Membrane Science 2020 / Art. n. 118205 <https://doi.org/10.1016/j.memsci.2020.118205> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Postdeposition processing of SnS thin films and solar cells : prospective strategy to obtain large, sintered, and doped SnS grains by recrystallization in the presence of a metal halide flux**

**Spalatu, Nicolae; Hiie, Jaan; Kaupmees, Reelika; Volobujeva, Olga; Krustok, Jüri; Oja Acik, Ilona; Krunks, Malle** ACS applied materials & interfaces 2019 / p. 17539-17554 : ill <https://doi.org/10.1021/acsami.9b03213> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Post-deposition thermal treatment of sprayed SnS films**

**Polivtseva, Svetlana; Katerski, Atanas; Kärber, Erki; Oja Acik, Ilona; Mere, Arvo; Mikli, Valdek; Krunks, Malle** Thin solid films 2017 / p. 179-184 : ill <https://doi.org/10.1016/j.tsf.2017.01.014> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Post-growth annealing effect on the performance of Cu<sub>2</sub>ZnSnSe<sub>4</sub> monograin layer solar cells**

**Kauk-Kuusik, Marit; Altosaar, Mare; Muska, Katri; Pilvet, Maris; Raudoja, Jaan; Timmo, Kristi; Varema, Tiit; Grossberg, Maarja; Mellikov, Enn; Volobujeva, Olga** Thin solid films 2013 / p. 18-21 : ill <https://doi.org/10.1016/j.tsf.2012.11.075> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Potential of cross-laminated timber for independent shear wall systems**

**Tuhkanen, Eero; Rauk, Lauri** Wood material science and engineering 2019 / p. 355-365 : ill <https://doi.org/10.1080/17480272.2019.1638450> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Potential of solid residues from power plants as thermochemical energy storage materials**

**Maaten, Birgit; Konist, Alar; Siirde, Andres** Journal of thermal analysis and calorimetry 2020 / p. 1799-1805 <https://doi.org/10.1007/s10973-020-09948-6> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Powder metallurgy of Al<sub>0.1</sub>CoCrFeNi high-entropy alloy**

Sokkalingam, Rathinavelu; **Tarraste, Marek**; Surreddi, Kumar Babu; **Mikli, Valdek**; Muthupandi, Veerappan; Sivaprasad, Katakam; **Prashanth, Konda Gokuldoss** Journal of materials research 2020 / p. 2835-2847 <https://doi.org/10.1557/jmr.2020.272> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**PPG and bioimpedance-based wearable applications in heart rate monitoring – a comprehensive review**

Lapsa, Didzis; Janeliukstis, Rims; **Metshein, Margus**; Selavo, Leo Applied sciences 2024 / art. 7451 <https://doi.org/10.3390/app14177451> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Prediction of abrasive erosion impact wear of composite hardfacings**

**Kulu, Priit; Casesnoves, Francisco; Simson, Taavi; Tarbe, Riho** Materials Engineering 2017 : selected, peer reviewed papers from the 26th International Baltic Conference on Materials Engineering 2017, October 26-27, Kaunas, Lithuania 2017 / p. 201-206  
<https://doi.org/10.4028/www.scientific.net/SSP.267.201> [Conference proceedings at Scopus](#) [Article at Scopus](#)

### **A predictive approach towards using PC-SAFT for modeling the properties of shale oil**

**Mozaffari, Parsa; Baird, Zachariah Steven; Järvik, Oliver** Materials 2022 / art. 4221 <https://doi.org/10.3390/ma15124221> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Predictive control based on ranking multi-objective optimization approaches for a quasi-Z source inverter**

**Bakeer, Abualkasim Ahmed Ali; Magdy, Gaber; Chub, Andrii; Vinnikov, Dmitri** CSEE journal of power and energy systems 2021 / p. 1152-1160 : ill <https://doi.org/10.17775/CSEEJPES.2020.01310> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Preface**

**Herrmann, Heiko;** Schnell, Jürgen Short fibre reinforced cementitious composites and ceramics 2019 / p. v-vi  
<https://doi.org/10.1007/978-3-030-00868-0> [Article collection metrics at Scopus](#) [Article at Scopus](#)

### **Preliminary analysis of soft magnetic material properties for additive manufacturing of electrical machines**

**Tiismus, Hans; Kallaste, Ants; Rassõlkin, Anton; Vaimann, Toomas** Modern Materials and Manufacturing 2019 : 12th International DAAAM Baltic Conference and 27th International Baltic Conference BALTMATTRIB 2019. Selected, peer reviewed papers from the conference Modern Materials and Manufacturing 2019 (MMM 2019), April 24-26, 2019, Tallinn, Estonia 2019 / p. 270-275 : ill <https://www.scientific.net/KEM.799.270> [https://www.eester.ee/record=b5235278\\*est](https://www.eester.ee/record=b5235278*est)  
<https://doi.org/10.4028/www.scientific.net/KEM.799.270> [Conference proceeding at Scopus](#) [Article at Scopus](#)

### **Premature failure of an additively manufactured material**

Wang, Zhi; Xie, Meishen; Li, Yuanyuan; Zhang, Weiwen; Yang, Chao; **Kollo, Lauri;** Eckert, Jürgen; **Prashanth, Konda Gokuldoss** Npg Asia materials 2020 / art. 30, 10 p. : ill <https://doi.org/10.1038/s41427-020-0212-0> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Preparation and characterization of photocatalytically active antibacterial surfaces covered with acrylic matrix embedded nano-ZnO and nano-ZnO/Ag**

**Rosenberg, Merilin;** Visnapuu, Meeri; Saal, Kristjan; Danilian, Dmytro; Pärna, Rainer; Ivask, Angela; Kisand, Vambola Nanomaterials 2021 / art. 3384 <https://doi.org/10.3390/nano11123384> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Preparation of a surface-grafted protein-selective polymer film by combined use of controlled/living radical photopolymerization and microcontact imprinting**

**Kidakova, Anna; Reut, Jekaterina;** Rappich, Jörg; **Õpik, Andres; Sõritski, Vitali** Reactive and functional polymers 2018 / p. 47-56  
<https://doi.org/10.1016/j.reactfunctpolym.2018.02.004> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Preparation of cellulose stearate and cellulose acetate stearate in 1-butyl-3-methylimidazolium chloride**

**Tarasova, Elvira; Šumigin, Dmitri; Kudrjašova, Marina; Krumme, Andres** Baltic Polymer Symposium 2013 / p. 105-110  
<https://doi.org/10.4028/www.scientific.net/KEM.559.105> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Conference Proceedings at WOS](#) [Article at WOS](#)

### **Preparation of fibril nuclei of beta-amyloid peptides in reverse micelles**

Lin, Yen-Ling; Cheng, Yu-Sheng; **Org, Mai-Liis; Oss, Andres; Samoson, Ago** Chemical communications 2018 / p. 10459–10462 : ill <https://doi.org/10.1039/C8CC05882B> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Preparation of fibrous electrospun membranes with activated carbon filler**

**Krasnou, Illia; Tarasova, Elvira; Malmberg, Siret; Vassiljeva, Viktoria; Krumme, Andres** IOP conference series : materials science and engineering 2019 / art. 012022, 5 p. : ill <https://doi.org/10.1088/1757-899X/500/1/012022> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

### **Preparation of thermoplastic cellulose esters in [mTBNH][OAC] ionic liquid by transesterification reaction**

**Tarasova, Elvira; Savale, Nutan Bharat; Krasnou, Illia; Kudrjašova, Marina;** Rjabovs, Vitalijs; Reile, Indrek; Vares, Lauri; **Kallakas, Heikko;** Kers, Jaan; **Krumme, Andres** Polymers 2023 / art. 3979 <https://doi.org/10.3390/polym15193979> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Principles and methods of servomotor control : comparative analysis and applications**

**Autsou, Siarhei; Kudelina, Karolina; Vaimann, Toomas; Rassõlkin, Anton; Kallaste, Ants** Applied sciences 2024 / art. 2579  
<https://doi.org/10.3390/app14062579> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Procedure for implementing new materials to the component additive method**

**Mäger, Katrin Nele; Just, Alar;** Schmid, Joachim; Werther, Norman; Klippel, Michael; Brandon, Daniel; Frangi, Andrea Fire safety

### **Processing and mechanical properties of ZrC-ZrO<sub>2</sub> composites**

**Voltšihhin, Nikolai; Hussainova, Irina; Kübarsepp, Jakob; Traksmaa, Rainer** Engineering materials & tribology XXII 2014 / p. 258-261 <https://doi.org/10.4028/www.scientific.net/KEM.604.258> Conference proceedings at Scopus Article at Scopus Conference proceedings at WOS Article at WOS

### **Processing and properties of bulk ultrafine-grained pure niobium**

**Kommel, Lembit; Kimmari, Eduard; Saarna, Mart; Viljus, Mart** Journal of materials science 2013 / p. 4723-4729 : ill <https://doi.org/10.1007/s10853-013-7210-3> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

### **Processing and properties of zirconia toughened WC-based cermets**

**Hussainova, Irina; Voltšihhin, Nikolai; Cura, M. Erkin; Hannula, Simo-Pekka** Advanced processing and manufacturing technologies for structural and multifunctional materials VII : a collection of papers presented at the 37th International Conference on Advanced Ceramics and Composites, January 27-February 1, 2013, Daytona Beach, Florida 2014 / p. 97-103 <https://ceramics.onlinelibrary.wiley.com/doi/abs/10.1002/9781118807965.ch11> Conference proceedings at Scopus Article at Scopus

### **Processing of Al-based composite material by selective laser melting: A perspective**

**Prashanth, Konda Gokuldoss** Materials today: proceedings 2022 / p. 498-504 <https://doi.org/10.1016/j.matpr.2022.01.391> Conference proceeding at Scopus Article at Scopus Article at WOS

### **Processing of ZrC-TiC composites by SPS**

**Yung, Der-Liang; Hussainova, Irina; Rodriguez, Miguel Angel; Traksmaa, Rainer** Engineering materials and tribology : selected, peer reviewed papers from the 24th International Baltic Conference on Engineering Materials & Tribology (BALTMATRIB & IFHTSE 2015), November 5-6, 2015, Tallinn, Estonia 2016 / p. 94-99 : ill <https://doi.org/10.4028/www.scientific.net/KEM.674.94> Conference Proceedings at Scopus Article at Scopus

### **Production of thermal spray Cr<sub>3</sub>C<sub>2</sub>-Ni powders by mechanically activated synthesis**

**Tkachivskyi, Dmytro; Juhani, Kristjan; Surženkov, Andrei; Kulu, Priit; Viljus, Mart; Traksmaa, Rainer; Jankauskas, Vytenis; Leišys, Rimtautas** Modern Materials and Manufacturing 2019 : 12th International DAAAM Baltic Conference and 27th International Baltic Conference BALTMATRIB 2019. Selected, peer reviewed papers from the conference Modern Materials and Manufacturing 2019 (MMM 2019), April 24-26, 2019, Tallinn, Estonia 2019 / p. 31-36 : ill <https://doi.org/10.4028/www.scientific.net/KEM.799.31> [https://www.ester.ee/record=b5235278\\*est](https://www.ester.ee/record=b5235278*est) <https://www.scientific.net/KEM.799.31> Conference proceeding at Scopus Article at Scopus

### **Progress in additive manufacturing of MoS<sub>2</sub>-based structures for energy storage applications – a review**

**Alinejadian, Navid; Kollo, Lauri; Odnevall Wallinder, Inger** Materials science in semiconductor processing 2022 / 21 p. : ill <https://doi.org/10.1016/j.mssp.2021.106331> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

### **Properties of Cu-Sb-Se thin films deposited by magnetron co-sputtering for solar cell applications**

**Penežko, Aleksei; Kauk-Kuusik, Marit; Volobujeva, Olga; Grossberg, Maarja** Thin solid films 2021 / art. 139004 <https://doi.org/10.1016/j.tsf.2021.139004> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

### **Properties of frost-retted hemp fibres for the reinforcement of composites**

**Marrot, Laetitia; Alao, Percy Festus; Mikli, Valdek; Kers, Jaan** Journal of natural fibers 2022 / p. 16017-16028 <https://doi.org/10.1080/15440478.2021.1904474> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

### **Properties of glass filled polypropylene for fused filament fabrication**

**Spörk, Martin; Savandaiah, Chethan; Arbeiter, Florian; Schuschnigg, Stephan; Holzer, Clemens** SPE ANTEC 2017, Anaheim, California, USA, 8-10 May 2017 2017 / p. 105-111 : ill <https://www.proceedings.com/content/052/052413webtoc.pdf> Conference proceedings at Scopus Article at Scopus

### **Propolis nanofibers : development and effect against SARS-CoV-2 virus and S. aureus, S. enterica bacteria**

**Zelca, Zane; Krumme, Andres; Kukle, Silvija; Krasnou, Illia** Materials today chemistry 2023 / art. 101749 <https://doi.org/10.1016/j.mtchem.2023.101749> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

### **ProSe direct discovery : experimental characterization and context-aware heuristic approach to extend public safety networks lifetime**

**Masood, Ali; Alam, Muhammad Mahtab; Le Moullec, Yannick; Reggiani, Luca; Scazzoli, Davide; Magarini, Maurizio; Ahmad, Rizwan** IEEE Access 2021 / p. 130055 –130071 <https://doi.org/10.1109/ACCESS.2021.3112751> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

### **Pulsed laser deposition of chalcogenide sulfides from multi- and single-component targets: the non-stoichiometric material transfer**

**Schou, Jorgen; Gansukh, Mungunshagai; Ettlinger, Rebecca B.; Cazzaniga, Andrea; Grossberg, Maarja; Kauk-Kuusik, Marit; Canulescu, Stela** Applied physics. A, Materials science & processing 2018 / Art. nr. 78 <https://doi.org/10.1007/s00339-017-1475-3>

### **Pultruding of metal powder filled glass fiber reinforced polymer composites**

**Rummo, Henri; Veinthal, Renno; Aruniit, Aare** Engineering materials and tribology : selected, peer reviewed papers from the 24th International Baltic Conference on Engineering Materials & Tribology (BALTMATRIB & IFHTSE 2015), November 5-6, 2015, Tallinn, Estonia 2016 / p. 48-53 : ill <https://doi.org/10.4028/www.scientific.net/KEM.674.48> [Conference Proceedings at Scopus](#) [Article at Scopus](#)

### **PV-battery assisted three-level T-Type inverter for AC residential nanogrid realized with small-scale HIL units**

Gutierrez-Escalona, Javier; **Roncero-Clemente, Carlos**; Gonzalez-Romera, Eva; Milanes-Montero, Maria Isabel; Husev, Oleksandr; Romero-Cadaval, Enrique IEEE Access 2023 / p. 48007 - 48021 <https://doi.org/10.1109/ACCESS.2023.3276235> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **PVD grown SnS thin films onto different substrate surfaces**

**Revathi, Naidu; Bereznev, Sergei; Iljina, Julia; Safonova, Maria; Mellikov, Enn; Volobujeva, Olga** Journal of materials science : materials in electronics 2013 / p. 4739-4744 : ill <https://doi.org/10.1007/s10854-013-1468-8> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Pyrite as prospective absorber material for monograin layer solar cell**

**Kristmann, Katriin; Altosaar, Mare; Raudoja, Jaan; Krustok, Jüri; Pilvet, Maris; Mikli, Valdek; Grossberg, Maarja; Danilson, Mati; Raadik, Taavi** Thin Solid Films 2022 / art. 139068 : ill <https://doi.org/10.1016/j.tsf.2021.139068> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **QSAR of heterocyclic compounds in large descriptor spaces**

**Karelsen, Mati**; Dobchev, Dimitar Atanasov Advances in Heterocyclic Chemistry ; Vol. 120 2016 / p. 237 - 273 <https://doi.org/10.1016/bs.aihch.2016.03.006> [Article collection metrics at Scopus](#) [Article at Scopus](#) [Article collection metrics at WOS](#) [Article at WOS](#)

### **A quantitative method for analysis of mixtures of homologues and stereoisomers of hemicucurbiturils that allows us to follow their formation and stability**

**Fomitšenko, Maria; Peterson, Anna**; Reile, Indrek; Cong, Hang; **Kaabel, Sandra; Prigorchenko, Elena; Järving, Ivar; Aav, Riina** New journal of chemistry 2017 / p. 2490-2497 : ill <https://doi.org/10.1039/C6NJ03050E> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Quasicrystalline composites by additive manufacturing**

**Prashanth, Konda Gokuldoss**; Scudino, Sergio Applied Engineering, Materials and Mechanics III : 4th International Conference on Applied Engineering, Materials and Mechanics (4th ICAEMM 2019) 2019 / p. 72-76 <https://doi.org/10.4028/www.scientific.net/KEM.818.72> [Conference proceeding at Scopus](#) [Article at Scopus](#)

### **A quasi-static approach to optimize the motion of an UGV depending on the track profile**

Corral, Eduardo; **Arjassov, Gennadi**; Meneses, Jesus Mechatronic systems and materials VI 2015 / p. 774-780 <https://doi.org/10.4028/www.scientific.net/SSP.220-221.774> [Conference proceedings at Scopus](#) [Article at Scopus](#)

### **Query learning-based scheme for pertinent resource lookup in Mobile P2P network**

Yeferny, Taoufik; Hamad, Sofian; **Ben Yahia, Sadok** IEEE Access 2019 / art. 6287639, p. 49059-49068 <https://doi.org/10.1109/ACCESS.2019.2910117> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Radiative recombination in Cu<sub>2</sub>ZnSnSe<sub>4</sub> thin films with Cu deficiency and Zn excess**

Yakushev, M. V.; Marquez-Prieto, J.; Forbes, I.; Edwards, P. R.; Zhivulko, V. D.; Mudryi, A. V.; **Krustok, Jüri**; Martin, R. W. Journal of physics D : applied physics 2015 / p. 1-7 : ill <https://doi.org/10.1088/0022-3727/48/47/475109> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Radiative recombination pathways in ordered and disordered CZTSe microcrystals**

**Mengü, Idil; Krustok, Jüri; Kaupmees, Reelika; Mikli, Valdek; Kauk-Kuusik, Marit; Grossberg-Kuusik, Maarja** Materials chemistry and physics 2023 / art. 127685 <https://doi.org/10.1016/j.matchemphys.2023.127685> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Radio resource management scheme in NB-IoT systems**

**Malik, Hassan**; Pervaiz, Haris; **Alam, Muhammad Mahtab; Le Moullec, Yannick; Kuusik, Alar**; Imran, Muhammad Ali IEEE Access 2018 / p. 15051-15064 : ill <https://doi.org/10.1109/ACCESS.2018.2812299> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Raman spectroscopic study of In<sub>2</sub>S<sub>3</sub> films prepared by spray pyrolysis**

**Kärber, Erki; Otto, Kairi; Katerski, Atanas; Mere, Arvo; Krunk, Malle** Materials science in semiconductor processing 2014 / p. 137-142 : ill <https://doi.org/10.1016/j.mssp.2013.10.007> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Raman spectroscopy for reliability assessment of multilayered AlCrN coating in tribo-corrosive conditions [Online resource]**

**Baroninš, Janis; Antonov, Maksim; Bereznev, Sergei; Raadik, Taavi; Hussainova, Irina** Coatings 2018 / art. 229, 12 p. : ill  
<https://doi.org/10.3390/coatings8070229> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Raman spectroscopy of multilayered AlCrN coating under high temperature sliding/oxidation**

**Baroninš, Janis; Antonov, Maksim; Bereznev, Sergei; Raadik, Taavi; Hussainova, Irina** Modern Materials and Manufacturing 2019 : 12th International DAAAM Baltic Conference and 27th International Baltic Conference BALTMATTRIB 2019. Selected, peer reviewed papers from the conference Modern Materials and Manufacturing 2019 (MMM 2019), April 24-26, 2019, Tallinn, Estonia 2019 / p. 9-14 <https://www.scientific.net/KEM.799.9> [https://www.ester.ee/record=b5235278\\*est](https://www.ester.ee/record=b5235278*est)  
<https://doi.org/10.4028/www.scientific.net/KEM.799.9> [Conference proceeding at Scopus](#) [Article at Scopus](#)

**Ransomware attack as Hardware Trojan : a feasibility and demonstration study**

**Almeida, Felipe; Imran, Malik; Raik, Jaan; Pagliarini, Samuel Nascimento** IEEE Access 2022 / p. 44827-44839  
<https://doi.org/10.1109/ACCESS.2022.3168991> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Rapid thermal processing of Kesterite thin films**

**Ganchev, Maxim; Spasova, Stanka; Raadik, Taavi; Mere, Arvo; Altosaar, Mare; Mellikov, Enn** Coatings 2023 / art. 1449  
<https://doi.org/10.3390/coatings13081449> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Rational design of highly efficient flexible and transparent p-type composite electrode based on single-walled carbon nanotubes**

**Rajanna, Pramod M.; Meddeb, Hosni; Bereznev, Sergei; Volobujeva, Olga; Danilson, Mati** Nano energy 2020 / art. 104183, 9 p. : ill  
<https://doi.org/10.1016/j.nanoen.2019.104183> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Reaction pathway to CZTSe formation in CdI<sub>2</sub> : Part 2: Chemical reactions and enthalpies in mixtures of CdI<sub>2</sub>–CuSe–SnSe and CdI<sub>2</sub>–CuSe–SnSe–ZnSe**

**Leinemann, Inga; Pilvet, Maris; Kaljuvee, Tiit; Traksmäa, Rainer; Altosaar, Mare** Journal of thermal analysis and calorimetry 2018 / p. 433–441 <https://doi.org/10.1007/s10973-018-7415-4> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Reaction pathway to Cu<sub>2</sub>ZnSnSe<sub>4</sub> formation in CdI<sub>2</sub> : part 1. Chemical reactions and enthalpies in mixtures of CdI<sub>2</sub>–ZnSe, CdI<sub>2</sub>–SnSe, and CdI<sub>2</sub>–CuSe**

**Leinemann, Inga; Nkwusi, Godswill; Timmo, Kristi; Volobujeva, Olga; Danilson, Mati; Raudoja, Jaan vt.ka Mädasson, Jaan; Kaljuvee, Tiit; Traksmäa, Rainer; Altosaar, Mare; Meissner, Dieter** Journal of thermal analysis and calorimetry 2018 / p.409 - 421 : ill  
<https://doi.org/10.1007/s10973-018-7102-5> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Reactive sintering of bimodal WC-Co hardmetals**

**Tarraste, Marek; Juhani, Kristjan; Pirso, Jüri; Viljus, Mart** Medžiagotyra = Materials science 2015 / p. 382-385 : ill  
<https://doi.org/10.5755/j01.ms.21.3.7511> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Readiness of small energy markets and electric power grids to global health crises: Lessons from the COVID-19 pandemic**

**Carmon, David; Navon, Aviad; Machlev, Ram; Belikov, Juri; Levron, Yoash** IEEE Access 2020 / art. 9139437, p. 127234–127243  
<https://doi.org/10.1109/ACCESS.2020.3008929> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Recent advances in essential oils-based metal nanoparticles : a review on recent developments and biopharmaceutical applications**

**Sana, Siva Sankar; Li, Huizhen; Zhang, Zhijun; Sharma, Minaxi; Usmani, Zeba; Hou, Tianyu; Netala, Vasudeva Reddy; Wang, Xin; Gupta, Vijai Kumar** Journal of Molecular Liquids 2021 / Art. nr. 115951 <https://doi.org/10.1016/j.molliq.2021.115951> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Recent advances of carbon nanotubes synthesis by the electric arc technique using atomized platinum-group metal catalysts**

**Truus, Kalle; Volobujeva, Olga; Kaupmees, Reelika; Tamm, Aile; Rähn, Mihkel; Raid, Raivo; Koppel, Kaida; Tuvikene, Rando** Materials Science and Engineering: B 2024 / art. 117121 <https://doi.org/10.1016/j.mseb.2023.117121> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Recent contributions, future prospects and limitations of interlinking converter control in hybrid AC/DC microgrids**

**Najafzadeh, Mahdiyyeh; Ahmadihangar, Roya; Husev, Oleksandr; Roasto, Indrek; Jalakas, Tanel; Blinov, Andrei** IEEE Access 2021 / art. 9312595, p. 7960–7984 <https://doi.org/10.1109/ACCESS.2020.3049023> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Recent developments on wear and corrosion behavior of iron/iron–nickel metal matrix composites reinforced with zirconia**

**Singh, Neera; Jha, Pushkar; Parkash, Om; Kumar, Devendra** Transactions of the Indian Institute of Metals 2019 / p. 2151–2158 : ill

**Recycling of niobium slag by disintegrator milling**

**Kulu, Priit; Goljandin, Dmitri; Kõlaviir, Jaan; Hain, Tiina;** Kivisto, Mart Modern Materials and Manufacturing 2019 : 12th International DAAAM Baltic Conference and 27th International Baltic Conference BALTMATTRIB 2019. Selected, peer reviewed papers from the conference Modern Materials and Manufacturing 2019 (MMM 2019), April 24-26, 2019, Tallinn, Estonia 2019 / p. 97-102 : ill <https://www.scientific.net/KEM.799.97> [https://www.ester.ee/record=b5235278\\*est](https://www.ester.ee/record=b5235278*est) <https://doi.org/10.4028/www.scientific.net/KEM.799.97> Conference proceeding at Scopus Article at Scopus

**Recycling of PA-12 in additive manufacturing and the improvement of its mechanical properties**

**Mägi, Piret; Krumme, Andres; Pohlak, Meelis** Engineering materials and tribology : selected, peer reviewed papers from the 24th International Baltic Conference on Engineering Materials & Tribology (BALTMATTRIB & IFHTSE 2015), November 5-6, 2015, Tallinn, Estonia 2016 / p. 9-14 : ill <https://doi.org/10.4028/www.scientific.net/KEM.674.9> Conference Proceedings at Scopus Article at Scopus

**Redox reactivity at silver microparticle-glassy carbon contacts under a coating of polymer of intrinsic microporosity (PIM)**

**He, Daping; Rauwel, Erwan;** Malpass-Evans, Richard; Carta, Mariolino Journal of solid state electrochemistry 2017 / p. 2141-2146 : ill <https://doi.org/10.1007/s10008-017-3534-2> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

**Reduced recombination through the CZTS/CdS interface engineering in monograin layer solar cells**

**Kauk-Kuusik, Marit; Timmo, Kristi; Muska, Katri; Pilvet, Maris; Krustok, Jüri; Danilson, Mati; Mikli, Valdek; Josepson, Raavo; Grossberg, Maarja** JPhys Energy 2022 / art. 024007 <https://doi.org/10.1088/2515-7655/ac618d> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

**Reduction mechanism of WO<sub>3</sub> + CuO mixture by combined Mg/C reducer : non-isothermal conditions - high heating rates**

**Aydinyan, Sofiya;** Nazaretyan, Khachatur; Zargaryan, A.G.; Tumanyan, M.E.; Kharatyan, Suren Journal of thermal analysis and calorimetry 2018 / p. 261–269 : ill <https://doi.org/10.1007/s10973-018-6985-5> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

**Reduction-based engineering of three-dimensional morphology of Ni-rGO nanocomposite**

**Alinejadian, Navid;** Nasirpour, Farzad; Yus, Joaquin; Ferrari, Begona Materials Science and Engineering : B 2021 / art. 115259 <https://doi.org/10.1016/j.mseb.2021.115259> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

**Regression models and fuzzy logic prediction of TBM penetration rate**

**Vu, Trieu Minh; Katušin, Dmitri; Antonov, Maksim; Veinthal, Renno** Open engineering 2017 / p. 60-68 : ill <https://doi.org/10.1515/eng-2017-0012> Journal metrics at Scopus Article at Scopus

**Relmagine lab : bridging the gap between hands-on, virtual and remote control engineering laboratories using digital twins and extended reality**

**Alsaleh, Saleh Ragheb Saleh; Tepljakov, Aleksei; Köse, Ahmet; Belikov, Juri; Petlenkov, Eduard** IEEE Access 2022 / p. 89924-889943 : ill <https://doi.org/10.1109/ACCESS.2022.3199371> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

**Removal of Urea, beta 2-Microglobulin, and Indoxyl Sulfate Assessed by Absorbance and Fluorescence in the Spent Dialysate During Hemodialysis**

**Lauri, Kai; Arund, Jürgen; Holmar, Jana; Tanner, Risto; Kalle, Sigrid; Luman, Merike; Fridolin, Ivo** Asaio journal 2020 / p. 695–705 <https://doi.org/10.1097/MAT.0000000000001058> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

**Research of the possibility of producing finely divided materials from natural raw materials for reactive powder concretes by mechanochemistry**

**Abramov, M.A.; Stepanov, E.G.; Goljandin, Dmitri;** Dobrokhotov, V.B. Journal of physics : conference series 2019 / art. 012023, 5 p. : ill <https://doi.org/10.1088/1757-899X/666/1/012023> Conference proceedings at Scopus Article at Scopus

**Research progress on composition design of multicomponent eutectic high entropy alloys**

**Wan, Shiguang; Ma, Pan; Yang, Hong; Zhang, Nan; Fang, Yacheng; Jia, Yandong; Prashanth, Konda Gokuldoss** Transactions of the Indian Institute of Metals 2024 / p. 1455 - 1465 <https://doi.org/10.1007/s12666-023-03247-y> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

**Residual stresses on various PVD hard coatings on tube and plate substrates**

**Lille, Harri; Ryabchikov, Alexander; Peetsalu, Priidu; Lind, Liina; Sergejev, Fjodor; Mikli, Valdek; Kübarsepp, Jakob** Coatings 2020 / art. 1054, 11 p <https://doi.org/10.3390/coatings10111054> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

**Resource-aware scene text recognition using learned features, quantization, and contour-based character extraction**

**Ademola, Olutosin Ajibola; Petlenkov, Eduard; Leier, Mairo** IEEE Access 2023 / p. 56865 - 56874 <https://doi.org/10.1109/ACCESS.2023.3283931> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

**Review article : recommended reading list of early publications on atomic layer deposition-outcome of the "Virtual Project on the History of ALD"**

Ahvenniemi, Esko; Akbashev, Andrew R.; Ali, Saima; **Rauwel, Erwan** Journal of vacuum science & technology A : vacuum, surfaces, and films 2017 / p. 010801-1 - 010801-13 <https://doi.org/10.1116/1.4971389> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Review of basic classes of dividers based on division algorithm**

**Patankar, Udayan Sunil; Koel, Ants** IEEE Access 2021 / p. 23035-23069 <https://doi.org/10.1109/ACCESS.2021.3055735> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**A review of harmonic detection, suppression, aggregation and estimation techniques**

**Daniel, Kamran; Kütt, Lauri; Iqbal, Muhammad Naveed; Shabbir, Noman; Raja, Hadi Ashraf; Sardar, Muhammad Usman** Applied sciences 2024 / art. 10966 <https://doi.org/10.3390/app142310966> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**A review of particulate-reinforced aluminum matrix composites fabricated by selective laser melting**

Wang, Pei; Eckert, Jürgen; **Prashanth, Konda Gokuldoss**; Kaban, Ivan; Xi, L.; Scudino, Sergio Transactions of nonferrous metals society of China 2020 / p. 2001-2034 [https://doi.org/10.1016/S1003-6326\(20\)65357-2](https://doi.org/10.1016/S1003-6326(20)65357-2) [http://tnmsc.csu.edu.cn/paper/paperView.aspx?id=paper\\_321576](http://tnmsc.csu.edu.cn/paper/paperView.aspx?id=paper_321576) [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**A review of porous lightweight composite materials for electromagnetic interference shielding**

Singh, Ashish Kumar; Shishkin, Andrei; **Koppel, Tarmo**; Gupta, Nikhil Composites Part B : Engineering 2018 / p. 188-197 : ill <https://doi.org/10.1016/j.compositesb.2018.05.027> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**A review of the synthesis and photoluminescence properties of hybrid ZnO and carbon nanomaterials**

**Rauwel, Protima; Salumaa, Martin; Aasna, Andres**; Galeckas, Augustinas; **Rauwel, Erwan** Journal of nanomaterials 2016 / art. 5320625, 12 p. : ill <https://doi.org/10.1155/2016/5320625> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**A review on development of bio-inspired implants using 3D printing**

Raheem, Ansheed A.; Hameed, Pearl; **Prashanth, Konda Gokuldoss**; Manivasagam, Geetha Biomimetics 2021 / art. 65 <https://doi.org/10.3390/biomimetics6040065> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**A Review on graphene-based electrospun conductive nanofibers, supercapacitors, Anodes, and cathodes for lithium-ion batteries**

**Javed, Kashif; Oolo, Marco; Savest, Natalja; Krumme, Andres** Critical Reviews in Solid State and Materials Sciences 2019 / p. 427-443 : ill <https://doi.org/10.1080/10408436.2018.1492367> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**A review on potential use of low-temperature water in the urban environment as a thermal-energy source**

**Laanearu, Janek**; Borodinecs, Anatolijs; Rimeika, M.; Palm, B. IOP conference series : materials science and engineering 2017 / art. 012054, p. 1-9 : ill <https://doi.org/10.1088/1757-899X/251/1/012054> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

**A review on the green synthesis of silver nanoparticles and their morphologies studied via TEM**

**Rauwel, Protima; Küüna, Siim**; Ferdov, Stanislav; **Rauwel, Erwan** Advances in materials science and engineering 2015 / p. 1-9 : ill <https://doi.org/10.1155/2015/682749> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Review, analysis, and implementation of path selection strategies for 2D NoCs**

Singh, Rajendra; Bohra, Manoj Kumar; Hemrajani, Prashant; Kalla, Anshuman; Bhatt, Devershi Pallavi; Purohit, Nitin; **Daneshtalab, Masoud** IEEE Access 2022 / p. 129245 - 129268 <https://doi.org/10.1109/ACCESS.2022.3227460> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Rheological properties of MWCNT-doped titanium-oxo-alkoxide gel materials for fiber drawing**

Tätte, Tanel; **Hussainov, Medhat**; Amiri, Mahsa; Vanetsev, Alexander; Paolo, Madis; **Hussainova, Irina** Materials 2022 / art. 1186 <https://doi.org/10.3390/ma15031186> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Rheology and dissolution capacity of cellulose in novel [mTBNH][OAc] ionic liquid mixed with green co-solvents**

**Tarasova, Elvira; Savale, Nutan Bharat; Ausmaa, Peeter; Mihkel, Krasnou, Illia; Krumme, Andres** Rheologica acta 2024 / p. 167-178 <https://doi.org/10.1007/s00397-024-01433-3> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Rheology, strength, and durability of concrete and mortar made of recycled calcium silicate masonry**

**Tuisk, Tanel; Ilomets, Simo; Hain, Tiina; Kalbus, Joosep; Kalamees, Targo** Materials 2024 / art. 2790 <https://doi.org/10.3390/ma17122790> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Rippling on wear scar surfaces of nanocrystalline diamond films after reciprocating sliding against ceramic balls**  
Podgurski, Vitali; Hantschel, Thomas; Bogatov, Andrei; Kimmari, Eduard; Antonov, Maksim; Viljus, Mart; Mikli, Valdek; Raadik, Taavi; Kulu, Priit Tribology letters 2014 / p. 493-501 : ill <https://doi.org/10.1007/s11249-014-0379-z> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

**The rising role of big data analytics and IoT in disaster management : recent advances, taxonomy and prospects**  
Shah, Syed Attique; Seker, Dursun Zafer; Hameed, Sufian; Draheim, Dirk IEEE Access 2019 / Art. nr. 8698814  
<https://doi.org/10.1109/ACCESS.2019.2913340> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

**Robust design optimization and emerging technologies for electrical machines: challenges and open problems**  
Orosz, Tamas; Rassõlkin, Anton; Kallaste, Ants; Arsenio, Pedro; Panek, David; Kaska, Jan; Karban, Pavel Applied sciences 2020 / art. 6653, 33 p. : ill <https://doi.org/10.3390/app10196653> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

**Role of A-site (Sr), B-site (Y), and A, B sites (Sr, Y) substitution in lead-free BaTiO<sub>3</sub> ceramic compounds : structural, optical, microstructure, mechanical, and thermal conductivity properties**  
Tihiti, Mohammed; Ibrahim, Jamal Eldin F. M.; Basyooni, Mohamed A.; Kurovics, Emese; Belaid, Walid; Hussainova, Irina; Kocserha, Istvan Ceramics international 2023 / p. 1947-1959 <https://doi.org/10.1016/j.ceramint.2022.09.160> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

**The role of Cl in the chemical bath on the properties of CdS thin films**  
Maticiu, Natalia; Hiie, Jaan; Raadik, Taavi; Graf, Aleksandr; Gavrilov, Aleksei Thin solid films 2013 / p. 184-187 : ill  
<https://doi.org/10.1016/j.tsf.2012.11.107> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

**Role of laser remelting and heat treatment in mechanical and tribological properties of selective laser melted Ti6Al4V alloy**  
Karimi, Javad; Antonov, Maksim; Kollo, Lauri; Prashanth, Konda Gokuldoss Journal of alloys and compounds 2022 / art. 163207 <https://doi.org/10.1016/j.jallcom.2021.163207> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

**The role of paradigms and technical strategies for implementation of the circular economy in the polymer and composite recycling industries**  
Hussain, Abrar; Podgurski, Vitali; Viljus, Mart; Awan, Muhammad Rizwan Advanced Industrial and Engineering Polymer Research 2023 / p. 1-12 <https://doi.org/10.1016/j.aiepr.2022.10.001> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

**Routes to develop a [S]/([S]+[Se]) gradient in wide band-gap Cu<sub>2</sub>ZnGe(S,Se)<sub>4</sub> thin-film solar cells**  
Ruiz-Perona, Andrea; Gurieva, Galina; Sun, Michael; Kodalle, Tim; Sanchez, Yudania; Grossberg, Maarja; Merino, Jose Manuel; Schorr, Susan; Leon, Maximo; Caballero, Raquel Journal of alloys and compounds 2021 / art. 159253, 9 p. : ill  
<https://doi.org/10.1016/j.jallcom.2021.159253> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

**Saturn-shaped ice burst pattern and fast basal binding of an ice-binding protein from an Antarctic bacterial consortium**  
Kaleda, Aleksei; Haleva, Lotem; Sarusi, Guy Langmuir 2019 / p. 7337-7346 : ill <https://doi.org/10.1021/acs.langmuir.8b01914> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

**Sb<sub>2</sub>S<sub>3</sub> thin films by ultrasonic spray pyrolysis of antimony ethyl xanthate**  
Eensalu, Jako Siim; Tõnsuaadu, Kaia; Oja Acik, Ilona; Krunks, Malle Materials science in semiconductor processing 2022 / art. 106209 : ill <https://doi.org/10.1016/j.mssp.2021.106209> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

**Sb<sub>2</sub>S<sub>3</sub> thin-film solar cells fabricated from an antimony ethyl xanthate based precursor in air**  
Eensalu, Jako Siim; Mandati, Sreekanth; Don, Christopher H.; Finch, Harry; Dhanak, Vinod R.; Major, Jonathan D.; Grzibovskis, Raitis; Tamm, Aile; Ritslaid, Peeter; Josepson, Raavo; Käämbre, Tanel; Vembris, Aivars; Spalatu, Nicolae; Krunks, Malle; Oja Acik, Ilona ACS applied materials & interfaces 2023 / p. 42622-42636 <https://doi.org/10.1021/acsami.3c08547> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

**Screen elements made of perforated steel tape and their application for shielding electromagnetic fields**  
Mironovs, Viktors; Koppel, Tarmo; Lisicins, Mihails; Boiko, Irina Engineering materials and tribology : selected, peer reviewed papers from the 24th International Baltic Conference on Engineering Materials & Tribology (BALTMATRIB & IFHTSE 2015), November 5-6, 2015, Tallinn, Estonia 2016 / p. 41-47 : ill <https://doi.org/10.4028/www.scientific.net/KEM.674.41> Conference Proceedings at Scopus Article at Scopus

**Screening and optimization of processing temperature for Sb<sub>2</sub>Se<sub>3</sub> thin film growth protocol : interrelation between grain structure, interface intermixing and solar cell performance**  
Spalatu, Nicolae; Krautmann, Robert; Katerski, Atanas; Kärber, Erki; Josepson, Raavo; Hiie, Jaan; Oja Acik, Ilona; Krunks, Malle Solar energy materials and solar cells 2021 / art. 111045, 13 p. : ill <https://doi.org/10.1016/j.solmat.2021.111045> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

**A secure data infrastructure for personal manufacturing based on a novel key-less, byte-less encryption method**  
**Vedešin, Anton**; Dogru, John Mehmet Ulgar; **Liiv, Innar**; **Ben Yahia, Sadok**; **Draheim, Dirk** IEEE Access 2020 / p. 40039-40056 : ill <https://doi.org/10.1109/ACCESS.2019.2946730> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Segregation of iron losses from rotational field measurements and application to electrical machine**  
**Belahcen, Anouar**; Rasilo, Paaavo; Arkio, Antero IEEE transactions on magnetics 2014 / p. 893-896 : ill <https://doi.org/10.1109/TMAG.2013.2284606> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Selective disintegration–milling to obtain metal-rich particle fractions from E-waste**  
Blumbergs, Ervins; Serga, Vera; Shishkin, Andrei; **Goljandin, Dmitri**; Shishko, Andrei; Zemcenkovs, Vjaceslavs; Markus, Karlis; Baroninš, Janis; Pankratov, Vladimir Metals 2022 / art. 1468, 15 p. : ill <https://doi.org/10.3390/met12091468> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Selective laser manufacturing of Ti-based alloys and composites : impact of process parameters, application trends, and future prospects**  
**Singh, Nirmal Kumar**; Hameed, Pearlin; **Ummethala, Raghunandan**; Manivasagam, Geetha; **Prashanth, Konda Gokuldoss**; Eckert, Juergen H. Materials Today Advances 2020 / Art. 100097 <https://doi.org/10.1016/j.mtadv.2020.100097> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Selective laser melted Ti6Al4V split-P TPMS lattices for bone tissue engineering**  
**Rezapourianghahfarokhi, Mansoureh**; Jasiuk, Iwona; **Saarna, Mart**; **Hussainova, Irina** International journal of mechanical sciences 2023 / art. 108353 <https://doi.org/10.1016/j.ijmecsci.2023.108353> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Selective laser melting and spark plasma sintering: a perspective on functional biomaterials**  
Rahmani Ahranjani, Ramin; Lopes, Sergio Ivan; **Prashanth, Konda Gokuldoss** Journal of functional biomaterials 2023 / art. 521, 33 p. : ill <https://doi.org/10.3390/jfb14100521> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Selective laser melting of 316L stainless steel : Influence of TiB2 addition on microstructure and mechanical properties**  
Salaman, O. O.; Gammer, C.; Eckert, Jürgen; **Prashanth, Konda Gokuldoss** Materials today communications 2019 / art. 100615, 7 p. : ill <https://doi.org/10.1016/j.mtcomm.2019.100615> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Selective laser melting of a novel 13Ni400 maraging steel : material characterization and process optimization**  
Patil, Viraj Vishwas; Mohanty, Chinmaya P.; **Prashanth, Konda Gokuldoss** Journal of materials research and technology 2023 / p. 3979-3995 <https://doi.org/10.1016/j.jmrt.2023.10.193> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Selective laser melting of Al-7Si-0.5 Mg-0.5Cu : effect of heat treatment on microstructure evolution, mechanical properties and wear resistance**  
Wang, Pei; Yu, Sijie; Shergill, Jaskarn; Chaubey, Anil; Eckert, Jürgen; **Prashanth, Konda Gokuldoss**; Scudino, Sergio Acta Metallurgica Sinica (English Letters) 2022 / p. 389–396 : ill <https://doi.org/10.1007/s40195-021-01279-1> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Selective laser melting of AlCoCrFeMnNi high entropy alloy : effect of heat treatment**  
Fang, Yacheng; Ma, Pan; Wei, Shuimiao; Zhang, Zhiyu; Yang, Dongye; Yang, Hong; Wan, Shiguang; **Prashanth, Konda Gokuldoss**; Jia, Yandong Journal of materials research and technology 2023 / p. 7845-7856 <https://doi.org/10.1016/j.jmrt.2023.09.121> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Selective laser melting of aluminum and its alloys**  
Wang, Zhi; **Ummethala, Raghunandan**; **Singh, Neera**; **Prashanth, Konda Gokuldoss** Materials 2020 / art. 4564 : ill <https://doi.org/10.3390/ma13204564> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Selective laser melting of commercially pure molybdenum by laser rescanning**  
**Alinejadian, Navid**; Wang, Pei; **Kollo, Lauri**; **Prashanth, Konda Gokuldoss** 3D Printing and Additive Manufacturing 2023 / p. 785-791 <https://doi.org/10.1089/3dp.2021.0265> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Selective laser melting of commercially pure silicon**  
Lai, Zhouyi; Guo, Ting; Zhang, Shengting; Kollo, Lauri; Attar, Hooyar; Wang, Zhi; **Prashanth, Konda Gokuldoss** Journal Wuhan University of Technology, Materials Science Edition 2022 / p. 1155 - 1165 <https://doi.org/10.1007/s11595-022-2647-3> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Selective laser melting of Cu-Ni-Sn : a comprehensive study on the microstructure, mechanical properties, and deformation behavior**  
Zhao, Chao; Wang, Zhi; Li, Daoxi; **Kollo, Lauri**; Luo, Zongqiang; Zhang, Weiwen; **Prashanth, Konda Gokuldoss** International journal of plasticity 2021 / art. 102926 <https://doi.org/10.1016/j.iplas.2021.102926> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Selective laser melting of diamond-containing or postnitrided materials intended for impact-abrasive conditions: experimental and analytical study**

**Rahmani Ahranjani, Ramin; Antonov, Maksim; Kollo, Lauri** Advances in materials science and engineering 2019 / art. 4210762 ; 11 p. : ill <https://doi.org/10.1155/2019/4210762> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Selective laser melting of high-strength, low-modulus Ti–35Nb–7Zr–5Ta alloy**

Ummethala, Raghunandan; Karamched, Phani S.; Rathinavelu, Sokkalingam; Singh, Neera; Aggarwal, Akash; Sun, Kang; Ivanov, Eugene; **Kollo, Lauri**; Okulov, Ilya; Eckert, Jürgen; **Prashanth, Konda Gokuldoss** Materialia 2020 / art. 100941 <https://doi.org/10.1016/j.mtla.2020.100941> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Selective laser melting of Inconel 718 : effect of thermal treatment on mechanical properties**

**Mohanty, Shalini; Maurya, Himanshu Singh; Prashanth, Konda Gokuldoss** Materials today: proceedings 2023 / 5 p. : ill <https://doi.org/10.1016/j.matpr.2023.03.164> [Journal metrics at Scopus](#) [Article at Scopus](#)

**Selective laser melting of Ti/cBN composite**

**Minasyan, Tatevik; Liu, Le; Aydinyan, Sofiya; Antonov, Maksim; Hussainova, Irina** Modern Materials and Manufacturing 2019 : 12th International DAAAM Baltic Conference and 27th International Baltic Conference BALTMATTRIB 2019. Selected, peer reviewed papers from the conference Modern Materials and Manufacturing 2019 (MMM 2019), April 24-26, 2019, Tallinn, Estonia 2019 / p. 257-262 : ill <https://www.scientific.net/KEM.799.257> [https://www.ester.ee/record=b5235278\\*est](https://www.ester.ee/record=b5235278*est) <https://doi.org/10.4028/www.scientific.net/KEM.799.257> [Conference proceeding at Scopus](#) [Article at Scopus](#)

**Selective laser melting of Ti6Al4V : effect of laser re-melting**

**Karimi, Javad; Suryanarayana, Challapalli; Okulov, Ilya; Prashanth, Konda Gokuldoss** Materials Science and Engineering : A 2021 / art. 140558 <https://doi.org/10.1016/j.msea.2020.140558> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Selective laser melting of TiB2-Ti composite with high content of ceramic phase**

**Liu, Le; Minasyan, Tatevik; Ivanov, Roman; Aydinyan, Sofiya; Hussainova, Irina** Ceramics international 2020 / p. 21128-21135 <https://doi.org/10.1016/j.ceramint.2020.05.189> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Selective laser melting of TiC-based cermet : HIP studies**

**Maurya, Himanshu Singh; Kollo, Lauri; Tarraste, Marek; Juhani, Kristjan; Sergejev, Fjodor; Prashanth, Konda Gokuldoss** Transactions of the Indian Institute of Metals 2023 / p. 565–570 : ill <https://doi.org/10.1007/s12666-022-02684-5> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Selective laser melting of TiC-Fe via laser pulse shaping : microstructure and mechanical properties**

**Maurya, Himanshu Singh; Kollo, Lauri; Tarraste, Marek; Juhani, Kristjan; Sergejev, Fjodor; Prashanth, Konda Gokuldoss** 3D Printing and Additive Manufacturing 2023 / p. 640-649 <https://doi.org/10.1089/3dp.2021.0221> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Selective photocurrent generation in HfO<sub>2</sub> and carbon nanotube hybrid nanocomposites under Ultra-Violet and visible photoexcitations**

**Rauwel, Protima; Galeckas, Augustinas; Ducroquet, Frédérique; Rauwel, Erwan** Materials Letters 2019 / p. 45 - 48 <https://doi.org/10.1016/j.matlet.2019.03.030> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Selective photoelectrochemical deposition of polypyrrole onto hydrogenated a-Si for optoelectronic applications**

**Dosenovicova, Denisa; Maricheva, Jelena; Neumüller, Alex; Sergeev, Oleg; Volobujeva, Olga; Nasibulin, Albert; Kois, Julia; Öpik, Andres; Bereznev, Sergei** Materials science in semiconductor processing 2017 / p. 1-5 : ill <https://doi.org/10.1016/j.mssp.2017.05.028> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Selectively enhanced 1H-1H correlations in proton-detected solid-state NMR under ultrafast MAS conditions**

Zhang, Zhengfeng; **Oss, Andres; Org, Mai-Liis; Samoson, Ago**; Li, Mingyue; Tan, Huan; Su, Yongchao; Yang, Jun The journal of physical chemistry letters 2020 / p. 8077–8083 : ill <https://doi.org/10.1021/acs.jpclett.0c02412> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Self-lubricating materials for extreme temperature tribo-applications**

**Kumar, Rahul, 1993-; Antonov, Maksim** Materials today: proceedings 2021 / p. 4583-4589 <https://doi.org/10.1016/j.matpr.2020.10.824> [Conference proceedings at Scopus](#) [Article at Scopus](#)

**Semitransparent Sb<sub>2</sub>S<sub>3</sub> thin film solar cells by ultrasonic spray pyrolysis for use in solar windows**

**Eensalu, Jako Siim; Katerski, Atanas; Kärber, Erki; Weinhardt, Lothar; Blum, Monika; Heske, Clemens; Oja Acik, Ilona; Krunks, Malle** Beilstein journal of nanotechnology 2019 / p. 2396–2409 <https://doi.org/10.3762/bjnano.10.230> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**SET-LRP of bio- and petroleum-sourced methacrylates in aqueous alcoholic mixtures**

Moreno, Adrian; Bensabeh, Nabil; **Parve, Jaan**; Ronda, Juan C.; Cádiz, Virginia; Galià, Marina; Vares, Lauri; Lligadas, Gerard; Percec, Virgil Biomacromolecules 2019 / p. 1816 - 1827 <https://doi.org/10.1021/acs.biomac.9b00257> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Shape classification using hydrodynamic detection via a sparse large-scale 2D-sensitive artificial lateral line**

Wolf, Ben J.; Pirih, Primož; **Kruusmaa, Maarja**; Van Netten, Sietse M. IEEE Access 2020 / p. 11393 - 11404  
<https://doi.org/10.1109/ACCESS.2020.2965316> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Short-term wind energy forecasting using deep learning-based predictive analytics**

**Shabbir, Noman**; Kütt, Lauri; Jawad, Muhammad; **Husev, Oleksandr** CMC-Computers, Materials & Continua 2022 / p. 1017-1033 <https://doi.org/10.32604/cmc.2022.024576> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **SHS produced TiB<sub>2</sub>-Si powders for selective laser melting of ceramic-based composite**

**Liu, Le**; **Aydinyan, Sofiya**; **Minasyan, Tatevik**; **Hussainova, Irina** Applied sciences 2020 / art. 3283, 12 p. : ill  
<https://doi.org/10.3390/app10093283> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **SHS reprocessing of copper oxide waste into copper powder**

Mahmoudi, H. A.; Abovyan, L.S.; **Aydinyan, Sofiya**; Kharatyan, Suren International Journal of Self-propagating High-temperature Synthesis 2019 / p. 233–238 : ill <https://doi.org/10.3103/S1061386219040095> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **SHS-derived powders by reactions' coupling as primary products for subsequent consolidation**

**Aydinyan, Sofiya**; Kharatyan, Suren; **Hussainova, Irina** Materials 2021 / art. 5117 <https://doi.org/10.3390/ma14175117> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **SiC JBS diode symmetrical voltage doubler represented as the diffusion-welded stack**

**Korolkov, Oleg**; **Land, Raul**; **Toompuu, Jana**; **Sleptšuk, Natalja**; **Rang, Toomas** Silicon carbide and related materials 2017 : ICSCRM 2017 : selected, peer reviewed papers from the 2017 International Conference on Silicon Carbide and related materials, September 17-22, 2017, Washington, DC, USA 2018 / p. 862–865 : ill <https://doi.org/10.4028/www.scientific.net/MSF.924.862> [Conference Proceedings at Scopus](#) [Article at Scopus](#)

### **SIC schottky diode rectifier bridge represented as the diffusion-welded stack**

**Korolkov, Oleg**; Kozlovski, Vitali V.; Lebedev, Alexander A.; **Land, Raul**; **Sleptšuk, Natalja**; **Toompuu, Jana**; **Rang, Toomas** Silicon Carbide and Related Materials 2016 : selected, peer reviewed papers from the 11th European Conference on Silicon Carbide and Related Materials 2016 (ECSCRM 2016), September 25-29, 2016, Halkidiki, Greece 2017 / p. 697-700 : ill  
<https://doi.org/10.4028/www.scientific.net/MSF.897.697> [Conference proceedings at Scopus](#) [Article at Scopus](#)

### **Signal acquisition and algorithm design for bioimpedance-based heart rate estimation from the wrist**

Lapsa, Didzis; **Metshein, Margus**; **Krivošei, Andrei**; Janeliukstis, Rims; **Märtens, Olev**; Elsts, Atis Applied sciences 2024 / art. 9632 <https://doi.org/10.3390/app14219632> [Journal proceedings at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Silver metal nanoparticles study for biomedical and green house applications**

**Rauwel, Erwan**; Simon-Gracia, Lorena; Guha, Mithu; **Rauwel, Protima**; **Küüna, Siim**; Wragg, David IOP conference series : materials science and engineering 2017 / art. 012011, p. 1-5 : ill <https://doi.org/10.1088/1757-899X/175/1/012011> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

### **Silver nanoparticles : synthesis, properties, and applications**

**Rauwel, Protima**; **Rauwel, Erwan**; Ferdov, Stanislav; Singh, Mangala P. Advances in materials science and engineering 2015 / p. 1-2 <https://doi.org/10.1155/2015/624394> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Simple access to $\beta$ -trifluoromethyl-substituted ketones via copper-catalyzed ring-opening trifluoromethylation of substituted cyclopropanols**

Kananovich, Dzmitry; Konik, Yulia A.; Zubrytski, Dzmitry M.; **Järving, Ivar**; **Lopp, Margus** Chemical communications 2015 / p. 8349-8352 : ill <https://doi.org/10.1039/c5cc02386f> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **A simple space vector modulation method with DC-link voltage balancing and reduced common-mode voltage strategy for a three-level T-type quasi-Z source inverter**

Mayorga, Nicolas; Roncero-Clemente, Carlos; Llor, Ana M.; **Husev, Oleksandr** IEEE Access 2021 / art. 9447724, p. 82747-82760  
<https://doi.org/10.1109/ACCESS.2021.3087035> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **A simplified method to predict grounding damage of double bottom tankers**

**Heinvee, Martin**; **Tabri, Kristjan** Marine structures 2015 / p. 22-43 : ill <https://doi.org/10.1016/j.marstruc.2015.04.002> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)