

Abrasion and erosion resistance of cermets : a review

Kübarssepp, 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 Cr₃C₂-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 O₂ 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 MoSi₂-Si₃N₄ 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.jpcclett.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-Kuusik, 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

Tsapeenko, 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.jpcclett.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

Steeno, 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.; **Traksmaa, 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](#)

Allsolution|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 /

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)Se₂ 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 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 [Article collection metrics at Scopus](#) [Article at Scopus](#)

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 Al₄H-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 Sb₂Se₃ 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 wates, 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 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

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

Belahcen, Anouar; Singh, Deepak; Rasilo, Paavo; Martin, Florian; Ghalamestani, Setareh Gorji; Vandeveld, 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; Looirts, Mihkel; Raudoja, Jaan; Lehner, Julia; Gurevičs, Jelena; Traksmaa, 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 (α -Fe₂O₃) 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 HOHWM for vibration analysis of nanobeams

Kirs, Maarjus; Eerme, 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.ester.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 photocatalytic oxidation of prednisolone

Klauson, Deniss; Piilnik-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.ijrmhm.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](#)

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](#)

Atomic layer deposition of alumina on g-Al₂O₃ 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](#)

Atypical phase-change alloy Ga₂Te₃ : 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/Ga₂O₃/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-Miralles, 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, Jakob; **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 BALTMATTRIB 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.eester.ee/record=b5235278*est [Conference proceeding at Scopus](#) [Article at Scopus](#)

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_{1-x}Ti_x)Se₃ 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 Cu₂ZnSn(S,Se)₄ 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 LiBH₄-MgH₂ 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; Kapitulskis, 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](#)

Bio-inspired TiB₂-TiB-TiN lattices by selective laser melting

Liu, Le; **Minasyan, Tatevik**; **Kamboj, Nikhil**; **Aydinyan, 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](#)

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.jmbbm.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](#)

Boosting phosphorescence efficiency by crystal anisotropy in SrAl₂O₄: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 Cu₁₀Cd₂Sb₄S₁₃ 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](#)

¹³C- and ¹⁵N-labeling of amyloid-β and inhibitory peptides to study their interaction via nanoscale infrared spectroscopy

Paul, Suman; Jenišťová, Adéla; Vosough, Faraz; **Berntsson, Elina**; Mörman, 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.ijrmhm.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 [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 Si₃N₄ balls

Bogatov, Andrei; **Traksmaa, 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 LiFe₂Co₂O₄

Strobridge, Fiona C.; Middlemiss, Derek S.; Pell, Andrew J.; Leskes, Michal; Clément, Raphaële J.; Pourpoint, Frédérique; Lu, Zhouguang; 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 FeS₂ pyrite microcrystals synthesized in different flux media

Kristmann, Katriin; 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 Cu₁₀Cd₂Sb₄S₁₃ monograin materials grown in molten Cd₂ 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](#)

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 Cu₁₀Cd₂Sb₄S₁₃ 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](#)

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](#)

CO2 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; Orupõld, 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](#)

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 MoSi2 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/s10189-023-00299-2> [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/TiB₂ 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.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 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 cladded Fe-based composite hardfacings with in situ synthesized Cr and Ti carbide reinforcement

Tkachivskiy, Dmytro; Viljus, Mart; Traksmaa, 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, Veronika; 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 TiO₂/Ag ceramics and Ti₆Al₄V-TiO₂/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 <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; Kõõ, 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](#)

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](#)

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.ester.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, Maarjus; 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: CO2 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; Trikkel, 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 Sb₂Se₃ 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))

Jõeleht, Marek; Pirso, Jüri; Juhani, Kristjan; Viljus, Mart; Traksmaa, 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](#)

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](#)

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 Na₉[Ln(W₅O₁₈)₂] (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](#)

Cu₂ZnSnS₄ 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)Se₂ 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](#)

CuInS₂ 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

Ramírez, Cristina; **Shamshirgar, Ali Saffar**; Perez-Coll, Domingo; Osendi, María Isabel; Miranzo, Pilar; Tewari, Girish C.; Karppinen, 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 Ga₂Te₅ 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-SiO₂ 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 Cu₂ZnSnSe₄ and Cu₂ZnSn(S_e0.75S_{0.25})₄ 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 AlPO₄-34 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–ZrO₂ 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 metrics at WOS](#) [Article at WOS](#)

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](#)

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](#)

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; **Märtens, Olev**; **Le Moulec, 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](#)

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](#)

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

Traumann, Ada; **Tint, Piia**; **Järvik, 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

Korõtko, 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](#)

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; Krunks, 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; Käärik, 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, Mihhail**; 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⁺ 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 [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, Mihhail 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 Al_{0.1}CoCrFeNi 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, Jürgo-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 [Article collection metrics at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Dynamic chiral cyclohexanohemicucurbit[12]Juril

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, Mihhail 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](#)

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**; **Sopu, 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 Cu₂CdGeSe₄ 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 oxygen irradiation on the structural and tribological properties of the MoS₂/Al₂O₃/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 Al₂O₃-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 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](#) [Article at WOS](#)

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; Aleknevičienė, 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-MeB₂ 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; Lehmus, 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 Cu₂ZnSn(S,Se)₄ 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/Cr₃C₂ on WC-ZrO₂-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 green co-solvents on properties and synthesis of cellulose esters in superbase ionic liquid

Tarasova, Elvira; Savale, Nutan; 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, Mikk; Zadin, Vahur; Lõhmus, Rünno; Mougín, 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, Sirlu; 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 AlxTi1-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, Floran; **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-TiB2 plasma sprayed coatings

Umanskii, A.; Hussainova, Irina; Storoženko, 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

Löhmus, 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 β -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; Aydın, 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, Mihhail; 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 SiO₂ 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 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, Katriin; 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.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](#)

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 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⁺ etching of Cu₂ZnSnSe₄ 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/Cu₂ZnSnSe₄/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/Cu₂ZnSnSe₄/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 Cu₂ZnSnS₄ 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 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-Põldsepp, 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](#)

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

Kois, Julia; Bereznev, Sergei; Gurevič, 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; Odnevall, 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 SeO₂ additive: Rods, disks, nanosheets network

Gromöko, 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-MoS₂-Al₂O₃ 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)₈₆Al₇Ti₇ 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 Cu₃BiS₃ 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 2019 / p. 526-539 : ill <https://doi.org/10.1080/02786826.2019.1578858> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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 HAuCl₄ : 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.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 ZnAl₂O₄: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 using 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)₂ and Ca(OH)₂ from ab initio calculations

Pishtshev, Aleksandr; Karazhanov, S. Zh.; **Klopov, Mihhail** 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; **Körgesaar, Mihkel**; Lehto, Pauli; Bertsson, 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 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/NiAl₂O₄ 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.ijrmhm.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](#)

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-CeO₂ catalyst : synthesis, structure and properties in propane pre-reformingPotemkin, 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_x (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; **Kõrgesaar, 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, Mihhail**; 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. 39-49https://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** IEEEAccess 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 TiO₂/Cu_xO-based solar cells**Wis, Grzegorz; Sawicka-Chudy, Paulina; **Sibinski, Maciej**; Yavorskyi, Rostyslav; Łabuz, Mirosław; Ploch, Dariusz; Bester, MariuszMaterials 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 Cu₂ZnSnS₄ absorber layers for solar cells by electrodeposition-annealing route****Iljina, Julia**; **Zhang, R.**; **Ganchev, Maxim**; **Raadik, Taavi**; **Volobujeva, Olga**; **Altosaar, Mare**; **Traksmaa, Rainer**; **Melikov, 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 Mg₂Si 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](#)

4.9 % efficient Sb₂S₃ 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; **Krunks, 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-Al₂O₃ 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 [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;** Karppinen, Maarit; **Hussainova, Irina** ACS applied materials & interfaces 2021 / p. 21613-21625 <https://doi.org/10.1021/acsaami.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, Päärm;

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/acsaem.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/acsaami.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/acsbomaterials.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 Cu₂Zn_{1-x}FexSnS₄ 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; Kukk, 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; Gromõko, 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 [Article collection metrics at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Heat conductive plates from recycled niobium slag

Kulu, Priit; Goljandin, Dmitri; Viljus, Mart; Traksmaa, 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://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](#) [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 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 Al₂O₃/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](#)

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

Abdel-Rahim, Omar; 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, Prit; 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 Al₂O₃/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 Al₂O₃/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/nACo-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 diffusion/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
Klůšeiko, 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 Sb₂Se₃ 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 Cu₂ZnSn(SexS_{1-x})₄ (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 Sr₃Al₂O₆ : Eu by combustion synthesis
Barbosa, Williams; Álvarez-Docio, C. M.; Garcia-Carrodeguas, R.; Fook, M. V. L.; Rojas Hernandez, Rocio Estefania; Rodriguez, 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-Kuusik, 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; Loorits, Mihkel; Kärber, Erki; Volobujeva, Olga; Raudoja, Jaan; Maticiuc, 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; Skliarova, Iouliia; Rjabov, Artjom; Sudnitsõn, 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 BaTiO₃ 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 [Article collection metrics at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Improved electrodeposition of CdS layers in presence of activating H₂SeO₃ 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)₂-based composite through selective laser melting of a MoSi₂-30 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 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, Hayretdin 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
<https://doi.org/10.1177/1744259117718442> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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 Cu₂ZnSnS₄ 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_{0.21}Sr_{0.74-x}CaxTi_{0.95}Fe_{0.05}O_{3-δ} 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; Järvpöld, 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

Poliaraus, 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 Cu₂S, SnS and Cu₂ZnSnSe₄ on optical properties of Cu₂ZnSnS₄

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 nCo® 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; Lehikoinen, 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 [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 [Article collection metrics at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Influence of order-disorder in Cu₂ZnSnS₄ 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; Zherebtsov, Dmitry; Radionova, Ludmila; Shultc, 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 protic ionic liquid-based flame retardant on the flammability and water sorption of alkalinized 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; Gromõko, 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 [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, Iyempermal Anand; Dehgahi, Shirin; Paul, Christ Prakash; **Prashanth, Konda Gokuldoss**; Jawad Qureshi, Ahmed Jawad Journal of Alloys and Compounds 2023 / art. 171447 <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](#)

Inkjet-printed hybrid conducting polymer-activated carbon aerogel linear actuators driven in an organic electrolyte

Põldsalu, Inga; Harjo, Madis; Tamm, Tarmo; **Uibu, Mai**; Peikola, 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](#)

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

Interaction of CuCl₂ 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**; Drieberg, 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 [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/acsaeam.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 [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 [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 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**; Abraitene, 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 Si3N4 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 Cu₂ZnSn(S x Se 1-x)₄ 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://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](#)

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, HfO₂ 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, 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/WO₃ pair and NiWO₄ 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](#)

K₂CO₃-containing composite sorbents based on a ZrO₂ aerogel for reversible CO₂ 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)₂ – 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](#)

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, Hayretdin; 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](#)

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

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
Vidyarthi, 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 LaMnO₃ 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_{0.6}Pb_{0.4}MnO₃
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; **Körgesaar, 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](#) [Journal metrics at WOS](#) [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, Mihhail** 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; Sopy, 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 of residual stresses in the cold-rolled Fe-Ni-Mn/Invar thermo-bimetallic plate

Lille, Harri; Kõo, Jakob; 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, Mairo; **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](#)

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 Sm_{1-x}CaxF_{3-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; **Lahtvee, 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.; Lehmus, 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 [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->

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

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, Iyemperumal 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.jirmhm.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.jirmhm.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. 197-209 : ill <https://doi.org/10.1080/00325899.2018.1447268> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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 BALTMATRIB 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://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

Gilbert Zequera, Rolando Antonio; Rjabtšikov, 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 CuInS₂ 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 Cu₂CdSnS₄ 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](#)

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; Sõritski, 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; Sõritski, 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; Sõritski, 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)₂ by laser powder bed fusion of AlSi10Mg and combustion synthesized MoSi₂
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_{1-x}Al_x)₂-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](#)

An MPPT algorithm for PV systems based on a simplified photo-diode model
Restrepo, Carlos; Gonzalez-Castano, Catalina; Munoz, Javier; Chub, Andrii; Vidal-Idiarte, 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
Dzipsalski, 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](#)

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, Päärn; Kikas, Arvo; Kisand, Vambola; Järving, Ivar; Leis, Jaan; Kongji, 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; 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](#) [Article 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](#)

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; Jöemaa, 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 Cu₂ZnSnSe₄ 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.ijrmhm.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 [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](#)

[at WOS](#)

New materials through a variety of sintering methods

Jaworska, L.; Cyboron, J.; Cygan, Slawomir; Laszkiewicz-Ukasik, J.; Podsiadlo, 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; Mohammadsalehian, 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](#)

Non-aldehyde resins based on resorcinol and natural alkylresorcinols modified with styrene

Jurkeviciute, Ana; Grigorieva, Larisa; Tõnsuaadu, Kaia; Yashicheva, Tamara; Bondarev, Dmitrij 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 A.; 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
<https://doi.org/10.1016/j.matlet.2022.133572> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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; Vålbe, 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 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 Sb₂Se₃ 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 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_{0.5}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, Mihhail; **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 [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 Cu₂CdGeSe₄

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 [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 [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, Veronika; 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 ZnAl₂O₄ 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 [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 [Article collection metrics at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

One-source PVD of n-CuIn₅Se₈ photoabsorber films for hybrid solar cells

Bereznev, Sergei; Adhikari, Nirmal; Kois, Julia; Raadik, Taavi; Traksmaa, Rainer; Volobujeva, Olga; Kouhiifahani, 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](#) [Article 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](#) [Journal metrics at WOS](#) [Article at WOS](#)

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

Pređen, Jürjo-Sören; Llinas, James; Rogova, Galina; **Pahtma, Raido; Mötus, 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 Cu₂CdGeSe₄

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](#)

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

Küünal, 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; Härmäs, 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_{0.2}Sr_{0.7}-xCa xTi_{0.95}Fe_{0.05}O₃-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 Sb₂S₃ 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](#) [Journal metrics at WOS](#) [Article at WOS](#)

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](#)

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](#)

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.jirmhm.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; Thomberg, 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 reduction on silver nanoparticles supported on carbide-derived carbons

Linge, Jonas Mart; Erikson, Heiki; Merisalu, Mairo; **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](#)

Parametric study on in situ Laser powder bed fusion of Mo(Si_{1-x}Al_x)₂

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](#)

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; Põlder, 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.ijrmhm.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; Wisser, 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 Al₂O₃-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; **Õpik, 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 HfO₂ 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 Cu₁₀Cd₂Sb₄S₁₃ monograin materials grown in molten CdI₂ 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 MoS₂ 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 CuInSe₂ single crystals ion implanted with 5 keV hydrogen

Yakushev, Michael Vasilievich; **Krustok, Jüri**; **Grossberg-Kuusik, 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 Cu₂ZnSnS₄

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 Cu₂ZnSnS₄ 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 Cu₂ZnSnS₄

Grossberg, Maarja; **Krustok, Jüri**; **Raadik, Taavi**; **Kauk-Kuusik, Marit**; **Raudoja, Jaan** Current applied physics 2014 / p. 1424-1427 : ill <https://doi.org/10.1016/j.cap.2014.08.013> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Photoredox-catalyzed direct C–H monofluoromethylation of heteroarenes

Ramkumar, Nagarajan; Plantus, Ketrina; Ozola, Melita; Mishnev, Anatoly; Nikolajeva, Vizma; Senkovs, Maris; **Ošeka, 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-Kuusik, 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-MeB₂ 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**; HosseinNia, 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 Cu₂ZnSnSe₄ 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 TiO₂: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 [Journal metrics at Scopus](#) [Article at Scopus](#)

p-n junction improvements of Cu₂ZnSnS₄/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](#) [Article 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](#)

Positive pressure effect on moisture performance in a school building

Ferrantelli, Andrea; Vornanen-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 Cu₂ZnSnSe₄ 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 Al0.1CoCrFeNi 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 BALTMATRIB 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.ester.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; 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](#)

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 journal 2019 / p. 149-160 : ill <https://doi.org/10.1016/j.firesaf.2017.09.006> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Processing and mechanical properties of ZrC-ZrO₂ 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 Cr₃C₂-Ni powders by mechanically activated synthesis

Tkachivskiy, 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.scientific.net/KEM.799.31> [Conference proceeding at Scopus](#) [Article at Scopus](#)

Progress in additive manufacturing of MoS₂-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 / 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, Silviija; **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](#)

[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; Ettliger, 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> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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

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 (BALTMATTRIB & 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; Milanés-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](#)

[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](#)

[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](#)

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

QSAR of heterocyclic compounds in large descriptor spaces

Karelson, 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](#)

[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](#)

[Conference proceeding 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 Cu₂ZnSnSe₄ 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](#)

[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](#)

[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 In₂S₃ films prepared by spray pyrolysis

Kärber, Erki; **Otto, Kairi;** **Katerski, Atanas;** **Mere, Arvo;** **Krunks, 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 BALTMATRIB 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://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 CdI₂ : Part 2: Chemical reactions and enthalpies in mixtures of CdI₂-CuSe-SnSe and CdI₂-CuSe-SnSe-ZnSe

Leinemann, Inga; **Pilvet, Maris;** **Kaljuvee, Tiit;** **Traksmaa, 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 Cu₂ZnSnSe₄ formation in CdI₂ : part 1. Chemical reactions and enthalpies in mixtures of CdI₂-ZnSe, CdI₂-SnSe, and CdI₂-CuSe

Leinemann, Inga; **Nkwusi, Godswill;** **Timmo, Kristi;** **Volobujeva, Olga;** **Danilson, Mati;** **Raudoja, Jaan vt.ka Mädasson, Jaan;** **Kaljuvee, Tiit;** **Traksmaa, 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](#)

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 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 <https://doi.org/10.1007/s12666-019-01683-3> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Recycling of niobium slag by disintegrator milling

Kulu, Priit; Goljandin, Dmitri; K lavir, 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://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

M gi, 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, J ri; 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 WO₃ + 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; Katu in, 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; K se, 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, J rgen; 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**; Dobrokhoto, 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](#)

Residual stresses on various PVD hard coatings on tube and plate substrates

Lille, Harri; Ryabchikov, Alexander; **Peetsalu, Priidu; Lind, Liina; Sergejev, Fjodor; Mikli, Valdek; K barsepp, 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 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 [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 : ille <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, Pearlin; **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, Anatolj; 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; **Küünal, Siim**; Ferdov, Stanislav; **Rauwel, Erwan** Advances in materials science and engineering 2015 / p. 1-9 : ill <http://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](#) [Article 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; Paalo, 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](#)

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; **Rassólkin, 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 BaTiO₃ ceramic compounds : structural, optical, microstructure, mechanical, and thermal conductivity properties

Tihtih, 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 Cu₂ZnGe(S,Se)₄ 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](#)

Sb₂S₃ 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](#)

Sb₂S₃ 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 Sb₂Se₃ 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, Paavo; Arkkio, 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, Andrej; Zemcenkovs, Vjaceslavs; Markus, Karlis; Baronins, 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.ijplas.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://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 HfO₂ 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.jpcl.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 proceeding at Scopus Article at Scopus

Semitransparent Sb₂S₃ 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; Krunk, 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.; Piri, Primoz; **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 TiB₂-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**; **Küunal, 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](#)

Simple access to β -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](#)

Simulation of the fire resistance of cross-laminated timber (CLT)

Schmid, Joachim; Klippel, Michael; **Just, Alar**; Frangi, Andrea; Tiso, Mattia Fire technology 2018 / p. 1113–1148 : ill <https://doi.org/10.1007/s10694-018-0728-9> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Simulation of the hot deformation and fracture behavior of reduced activation ferritic/martensitic 13CrMoNbV steel

Shaikh, Asad Alamgir; Churyumov, Alexander; Pozdniakov, Andrey; Churyumo, Tatiana Applied sciences 2020 / art. 530 ; 12 p. : ill <https://doi.org/10.3390/app10020530> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Simulations of graphene nanoribbon field effect transistor for the detection of propane and butane gases : a first principles study

Rashid, Muhammad Haroon; **Koel, Ants**; **Rang, Toomas** Nanomaterials 2020 / art. 98 <https://doi.org/10.3390/nano10010098> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Simulations of heterostructures based on 3C-4H and 6H-4H silicon carbide polytypes

Rashid, Muhammad Haroon; **Koel, Ants**; **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. 302-305 : ill <https://doi.org/10.4028/www.scientific.net/MSF.924.302> [Conference Proceedings at Scopus](#) [Article at Scopus](#)

Simulations of propane and butane gas sensor based on pristine armchair graphene nanoribbon

Rashid, Muhammad Haroon; **Koel, Ants**; **Rang, Toomas** IOP conference series : materials science and engineering 2018 / art. 012001, 8 p <https://doi.org/10.1088/1757-899X/362/1/012001> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Sintering of high Mn cemented carbides in Mn-rich environment

Tarraste, Marek; Kübarsepp, Jakob; Juhani, Kristjan; Kolnes, Märt; Viljus, Mart; Mere, Arvo Defect and diffusion forum 2020 / p. 402-407 <https://doi.org/10.4028/www.scientific.net/DDF.405.402> Conference proceedings at Scopus Article at Scopus

Sintering of silicon carbide obtained by combustion synthesis

Amirkhanyan, Narine; Kirakosyan, Hasmik; Zakaryan, Marieta; Zurnachyan, Alina; Rodriguez, Miguel Angel; Abovyan, L.; **Aydinyan, Sofiya** Ceramics international 2023 / p. 26129-26134 <https://doi.org/10.1016/j.ceramint.2023.04.233> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Sliding wear of composite stainless steel hardfacing under room and elevated temperature

Surženkov, Andrei; Baroninš, Janis; Viljus, Mart; Traksmaa, Rainer; Kulu, Priit Materials Engineering 2017 : selected, peer reviewed papers from the 26th International Baltic Conference on Materials Engineering 2017, October 26-27, Kaunas, Lithuania 2017 / p. 195-200 : ill <https://doi.org/10.4028/www.scientific.net/SSP.267.195> Conference proceedings at Scopus Article at Scopus

Sliding wear performance of AlCrN coating on TiB₂/Ti composites at high temperatures

Michalczewski, Remigiusz; Kalbarczyk, Marek; Słomka, Zbigniew; Osuch-Słomka, Edyta; Łuszcz, Maciej; **Liu, Le; Antonov, Maksim; Hussainova, Irina** Materials 2021 / art. 6771 <https://doi.org/10.3390/ma14226771> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Sliding wear performance of in-situ spark plasma sintered Ti-TiB_w composites at temperatures up to 900 °C

Kumar, Rahul, 1993-; Antonov, Maksim; Liu, Lei; Hussainova, Irina Wear 2021 / art. 203663, 9 p.: ill <https://doi.org/10.1016/j.wear.2021.203663> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Small magnus wind turbine : modeling approaches

Lukin, Aleksandr; **Demidova, Galina; Rassölkin, Anton;** Lukichev, Dmitry; **Vaimann, Toomas;** Anuchin, Alecksey Applied sciences 2022 / art. 1884 <https://doi.org/10.3390/app12041884> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Small-scale assessment method for the fire resistance of historic plaster system and timber structures

Liblik, Johanna; Just, Alar Fire and materials 2023 / p. 62-74 : ill <https://doi.org/10.1002/fam.3069> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Snubberless boost full-bridge converters: analysis of soft switching performance and limitations

Blinov, Andrei; Kosenko, Roman; Chub, Andrii; Vinnikov, Dmitri International journal of circuit theory and applications 2019 / p. 1-25 : ill <https://doi.org/10.1002/cta.2626> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Sol-Gel approach to the calcium phosphate nanocomposites

Beganskiene, Aldona; Stankeviciute, Zivile; Malakauskaite, Milda; **Bogdanoviciene, Irma; Mikli, Valdek; Tõnsuaadu, Kaia;** Kareiva, Aivaras Nanostructured materials and nanotechnology 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. 3-14 : ill <https://doi.org/10.1002/9781118807828.ch1> Conference proceedings at Scopus Article at Scopus

Solid electrolytes for fluoride ion batteries : ionic conductivity in polycrystalline tysonite-type fluorides

Rongeat, Carine; Reddy, M. Anji; **Witter, Raiker;** Fichtner, Maximilian ACS applied materials and interfaces ACS applied materials & interfaces 2014 / p. 2103-2110 : ill <https://doi.org/10.1021/am4052188> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Solid lubrication at high-temperatures - a review

Kumar, Rahul, 1993-; Hussainova, Irina; Rahmani Ahranjani, Ramin; Antonov, Maksim Materials 2022 / art. 1695 <https://doi.org/10.3390/ma15051695> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Solid particle erosion of refractories : A critical discussion of two test standards

Varga, Markus; **Antonov, Maksim;** Tamma, Mike Wear 2019 / p. 552-561 : ill <https://doi.org/10.1016/j.wear.2018.12.062> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Solid state processing of aluminum matrix Composites reinforced with nanoparticulate materials

Leparoux, Marc; **Kollo, Lauri;** Kwon, Hansang; **Kallip, Kaspar;** Babu, N. Kishore; AIOgab, Khaled A.; Talari, Mahesh Kumar Advanced engineering materials 2018 / art. 1800401, 18 p.: ill <https://doi.org/10.1002/adem.201800401> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Solidification of Al-xCu alloy under high pressures

Liu, Xiao; Ma, Pan; Jia, Yandong; **Prashanth, Konda Gokuldoss** Journal of materials research and technology 2020 / p. 2983-2991 : ill <https://doi.org/10.1016/j.jmrt.2020.01.049> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Solitons modelled by Boussinesq-type equations

Engelbrecht, Jüri; Peets, Tanel; Tamm, Kert Mechanics research communications 2018 / p. 62-65

<https://doi.org/10.1016/j.mechrescom.2017.05.008> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Solution combustion synthesis of MnFeCoNiCu and (MnFeCoNiCu)₃O₄ high entropy materials and sintering thereof

Aydinyan, Sofiya; Kirakosyan, Hasmik; Sargsyan, Armen; **Volobujeva, Olga**; Kharatyan, Suren Ceramics International 2022 / p.

20294-20305 : ill <https://doi.org/10.1016/j.ceramint.2022.03.310> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#)

[Article at WOS](#)

Solution combustion synthesis of nanostructured molybdenum carbide

Kirakosyan, Hasmik; Nazaretyan, K.T.; Mnatsakanyan, R.A.; **Aydinyan, Sofiya**; Kharatyan, Suren Journal of nanoparticle research

2018 / art. 214, 11 p. : ill <https://doi.org/10.1007/s11051-018-4312-5> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#)

[Article at WOS](#)

Solution-mediated inversion of SnSe to Sb₂Se₃ thin-films

Polivtseva, Svetlana; Kois, Julia; **Kruzhilina, Tatiana**; **Kaupmees, Reelika**; **Klopov, Mihhail**; Molaiyan, Palanivel; van Gog,

Heleen; van Huis, Marijn A.; **Volobujeva, Olga** Nanomaterials 2022 / art. 2898 <https://doi.org/10.3390/nano12172898> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#)

[Article at WOS](#)

Spark erosion in a metal spheres bed : experimental study of the discharge stability and energy efficiency

Kornev, Iakov; Saprykin, Filipp; Lobanova, Galina; Ushakov, Vasily; **Preis, Sergei** Journal of electrostatics 2018 / p. 111-118 : ill

<https://doi.org/10.1016/j.elstat.2018.10.008> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Spark plasma sintered ZrC-Mo cermets : influence of temperature and compaction pressure

Yung, Der-Liang; **Antonov, Maksim**; **Hussainova, Irina** Ceramics international 2016 / p. 12907-12913 : ill

<https://doi.org/10.1016/j.ceramint.2016.05.059> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Spark plasma sintering of 13Ni-400 maraging steel: Enhancement of mechanical properties through surface modification

Patil, Viraj Vishwas; **Prashanth, Konda Gokuldoss**; Mohanty, Chinmaya P. Journal of alloys and compounds 2023 / art. 170734 : ill

<https://doi.org/10.1016/j.jallcom.2023.170734> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Spark plasma sintering of molybdenum silicides synthesized from oxide precursors

Ovali, Didem; Tarraste, Marek; Kaba, Mertcan; Agaogullari, Duygu; **Kollo, Lauri**; **Prashanth, Konda Gokuldoss**; Lütfi Övecoglu, M.

Ceramics international 2021 / p. 13827-13836 : ill <https://doi.org/10.1016/j.ceramint.2021.01.248> [Journal metrics at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

[Article at WOS](#)

Spark plasma sintering of Ti6Al4V metal matrix composites: Microstructure, mechanical and corrosion properties

Singh, Neera; Ummethala, Raghunandan; Karamched, Phani S.; Sockalingam, Rathinavelu; Gopal, Vasanth; Manivasagam, G.;

Prashanth, Konda Gokuldoss Journal of alloys and compounds 2021 / art. 158875, 10 p. : ill

<https://doi.org/10.1016/j.jallcom.2021.158875> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Specific energy modeling of abrasive cut off operation based on sliding, plowing, and cutting

Awan, Muhammad Rizwan; Gonzalez-Rojas, Hernan Alberto; Perat Benavides, Jose I.; Hameed, Saqib; **Hussain, Abrar**; Sanchez

Egea, Antonio J. Journal of materials research and technology 2022 / p. 3302-3310 <https://doi.org/10.1016/j.jmrt.2022.03.185> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

[Article at WOS](#)

Spectral properties of incoherent terahertz torch based on parabolic Ga(As,Bi)/AlGaAs quantum wells

Karaliunas, Mindaugas; Pagalys, Justas; Jakštys, Vytautas; Norkus, Ričardas; Urbanowicz, Andrzej; Devenson, Jan; Devenson,

Renata; **Udal, Andres**; Valušis, Gintaras Terahertz Emitters, Receivers, and Applications X : SPIE Optical Engineering +

Applications, 11-15 August 2019, San Diego, California, United States : proceedings SPIE digital library 2019

<https://doi.org/10.1117/12.2528428> [Conference proceeding at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Spectroscopic properties, conduction processes and the Summerfield scaling of barium titanate ceramics based on Bi and Fe

Gouadria, Hamida; Mnasri, Taoufik; Jamale, Atul P.; López Sánchez, Jesús; **Necib, Jallouli**; Marín, Pilar; Carmona, Noemi; Smari,

Mourad Inorganic chemistry communications 2023 / art. 111417 <https://doi.org/10.1016/j.inoche.2023.111417> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

[Article at WOS](#)

Spent Li-Ion battery graphite turned into valuable and active catalyst for electrochemical oxygen reduction

Liivand, Kerli; Kazemi, Maryam; **Walke, Peter**; **Mikli, Valdek**; Macdonald, Digby D.; Kruusenberg, Ivar ChemSusChem 2021 / p.

1103-1111 <https://doi.org/10.1002/cssc.202002742> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Spinel to disorder rock-salt structural transition on (111) nickel ferrite thin films tailored by Ni content

Prieto, P.; Serrano, Aida; **Rojas Hernandez, Rocio Estefania**; Gorgojo, S.; Prieto, Jose Emilio; Soriano, L. Journal of alloys and

compounds 2022 / art. 164905 <https://doi.org/10.1016/j.jallcom.2022.164905> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

[Article at WOS](#)

Stabilization and stability robustness of coupled non-constant parameter time fractional PDEs

Chen, Juan; Tepljakov, Aleksei; Petlenkov, Eduard IEEE Access 2019 / p. 163969 - 163980 : ill

<https://doi.org/10.1109/ACCESS.2019.2951058> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Stability analysis and energy harvesting in lumped parameter systems with internally coupled resonators

Alimohammadi, Hossein; Vassiljeva, Kristina; HosseinNia, S. Hassan; Petlenkov, Eduard JVC/Journal of Vibration and Control

2024 / 13 p. : ill <https://doi.org/10.1177/10775463241241161> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Stability, reliability, upscaling and possible technological applications of kesterite solar cells

Larramona, G.; Chone, C.; Meissner, Dieter; Ernits, Kaia Journal of Physics : Energy 2020 / art. 024009, 14 p

<https://doi.org/10.1088/2515-7655/ab7cee> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

State of the art of additively manufactured electromagnetic materials for topology optimized electrical machines

Tiismus, Hans; Kallaste, Ants; Vaimann, Toomas; Rassõlkin, Anton Additive manufacturing 2022 / art. 102778, 19 p. : ill

<https://doi.org/10.1016/j.addma.2022.102778> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Static response and buckling loads of multilayered composite beams using the refined Zigzag theory and Higher-Order Haar Wavelet method

Sorrenti, M.; Di Sciuva, M.; Majak, Jüri; Auriemma, Fabio Mechanics of composite materials 2021 / 18 p

<https://doi.org/10.1007/s11029-021-09929-2> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Strong and chemically inert sinter crystallised glass ceramics based on Estonian oil shale ash

Maragoni, Mauro; Ponsot, I.; Kuusik, Rein, keemik; Bernardo, E. Advances in applied ceramics 2014 / p. 120-128 : ill

<https://doi.org/10.1179/1743676113Y.0000000132> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Strong and ductile titanium via additive manufacturing under a reactive atmosphere

Dong, Yangping; Wang, Dawei; Li, Qizhen; Luo, Xiaoping; Zhang, Jian; Prashanth, Konda Gokuldoss; Wang, Pei; Eckert, Jürgen;

Mädler, Lutz; Okulov, Ilya V.; Yan, Ming Materials today advances 2023 / art. 100347 <https://doi.org/10.1016/j.mtadv.2023.100347> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Structural and compositional properties of CZTS thin films formed by rapid thermal annealing of electrodeposited layers

Lehner, Julia; Looerts, Mihkel; Revathi, Naidu; Raadik, Taavi; Raudoja, Jaan; Grossberg, Maarja; Mellikov, Enn; Volobujeva, Olga; Ganchev, Maxim Journal of crystal growth 2013 / p. 236-240 : ill <https://doi.org/10.1016/j.jcrysgro.2013.06.012> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Structural and electrical characterisation of high-k ZrO₂ thin films deposited by chemical spray pyrolysis method

Oluwabi, Abayomi Titilope; Oja Acik, Ilona; Katerski, Atanas; Mere, Arvo; Krunk, Malle Thin Solid Films 2018 / p. 129 - 136

<https://doi.org/10.1016/j.tsf.2018.07.035> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Structural and optical properties of cadmium sulfide thin films modified by hydrogen annealing

Maticiu, Natalia; Hiie, Jaan; Mikli, Valdek; Potlog, Tamara; Valdna, Vello Materials science in semiconductor processing 2014 /

p. 169-174 : ill <https://doi.org/10.1016/j.mssp.2014.04.031> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Structural and optical properties of electrochemically deposited ZnO films in electrolyte containing Al₂(SO₄)₃

Lovchinov, Konstantin; Ganchev, Maxim; Petrov, Miroslav; Nichev, Hristo; Rachkova, Avgustina; Angelov, Orlin; Mikli, Valdek;

Dimova-Malinovska, Doriana Physica Status Solidi (A) Applications and Materials Science 2013 / p. 743 - 747

<https://doi.org/10.1002/pssa.201200558> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Structural and optoelectronic properties of CdCl₂ activated CdTe thin films modified by multiple thermal annealing

Spalatu, Nicolae; Krunk, Malle; Hiie, Jaan Thin solid films 2017 / p. 106-111 : ill <https://doi.org/10.1016/j.tsf.2016.09.042> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

A structurally flexible halide solid electrolyte with high ionic conductivity and air processability

Karkera, Guruprakash; Soans, Mervyn; Akbaş, Ayça; Witter, Raiker; Euchner, Holger; Diemant, Thomas; Cambaz, Musa Ali; Meng, Zhen;

Dasari, Bosubabu; Chandrappa, Shivaraju Guddehalli; Menezes, Prashanth W.; Fichtner, Maximilian Advanced energy materials 2023 / art. 2300982 <https://doi.org/10.1002/aenm.202300982> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Structuration of refractory metals tantalum and niobium using modified equal channel angular pressing technique

Omranpour Shahreza, Babak 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. 103-108 : ill <https://www.scientific.net/KEM.799.103>

https://www.ester.ee/record=b5235278*est <https://doi.org/10.4028/www.scientific.net/KEM.799.103> [Conference proceeding at Scopus](#) [Article at Scopus](#)

Structure and electrochemical properties of $\text{Na}_{2\pm x}\text{V}_3\text{P}_2\text{O}_{13}$ ($x = 0$ and 1): a promising cathode material for sodium-ion batteries

Reddy, M. Anji; Euchner, Holger; **Witter, Raiker**; Clemens, Oliver *Journal of materials chemistry A* 2018 / p. 6947-6958 : ill <https://doi.org/10.1039/C8TA00588E> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Structure and energy of intercrystallite boundaries in graphene

Kolesnikova, Anna; Rozhkov, M. A.; **Hussainova, Irina** *Reviews on advanced materials science* 2017 / p. 91-98 http://www.ipme.ru/e-journals/RAMS/no_15217/contents.html [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Structure and magnetic properties of NdFeB powder prepared by hydrogen decrepitation and high-energy ball milling

Mural, Zorjana; Kollo, Lauri; Traksmaa, Rainer; **Kallip, Kaspar**; Link, Joosep; **Veinthal, Renno** *Engineering materials & tribology XXII* 2014 / p. 262-266 <https://doi.org/10.4028/www.scientific.net/KEM.604.262> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Conference proceedings at WOS](#) [Article at WOS](#)

Structure and properties of HVOF-sprayed and PTA-welded cermet hard phase reinforced Fe-matrix-based coatings

Kulu, Priit; Zikin, Arkadi; Surženkov, Andrei; Tarbe, Riho *International journal of microstructure and materials properties* 2014 / p. 4-14 <https://doi.org/10.1504/IJMMP.2014.061054> [Journal metrics at Scopus](#) [Article at Scopus](#)

Studies of structural and morphological properties of cuprate conductive ceramics after electrochemical treatment in alkaline electrolyte

Stoyanova-Ivanova, Angelina; Lilov, Peter; Vasev, Alexander; Stoyanova, Antonina; Ivanova, Galia; Karashanova, Daniela; **Mikli, Valdek** *Materials chemistry and physics* 2020 / art. 121934 <https://doi.org/10.1016/j.matchemphys.2019.121934> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Study of $(\text{Ag}_x\text{Cu}_{1-x})_2\text{ZnSn}(\text{S},\text{Se})_4$ monograins synthesized by molten salt method for solar cell applications

Oueslati, Souhaib; Kauk-Kuusik, Marit; Neubauer, Christian; **Mikli, Valdek**; **Meissner, Dieter**; Brammertz, Guy; Vermang, B.; **Krustok, Jüri**; **Grossberg, Maarja** *Solar energy* 2020 / p. 586-595 <https://doi.org/10.1016/j.solener.2020.02.002> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Study of $\text{Cu}_2\text{CdGeSe}_4$ monograin powders synthesized by molten salt method for photovoltaic applications

Kauk-Kuusik, Marit; Li, Xiaofeng; Pilvet, Maris; Timmo, Kristi; Grossberg, Maarja; Raadik, Taavi; Danilson, Mati; Mikli, Valdek; Altosaar, Mare; Krustok, Jüri; Raudoja, Jaan *Thin solid films* 2018 / p. 15-19 <https://doi.org/10.1016/j.tsf.2018.09.025> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Study of devulcanised crumb rubber-peat bio-based composite for environmental applications

Lapkovskis, Vjaceslavs; Mironovs, Viktors; Irtiseva, Kristine; **Goljandin, Dmitri** *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. 148-152 : ill <https://www.scientific.net/KEM.799.148> https://www.ester.ee/record=b5235278*est <https://doi.org/10.4028/www.scientific.net/KEM.799.148> [Conference proceedings at Scopus](#) [Article at Scopus](#)

Study of point defects in wide-bandgap $\text{Cu}_2\text{CdGeS}_4$ microcrystals by temperature and laser power dependent photoluminescence spectroscopy

Krustok, Jüri; Raadik, Taavi; Li, Xiaofeng; Kauk-Kuusik, Marit; Timmo, Kristi; Oueslati, Souhaib; Grossberg, Maarja *Journal of physics D : applied physics* 2020 / 10 p. : ill <https://doi.org/10.1088/1361-6463/ab83c1> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Study of surface defects in 4H-SiC Schottky diodes using a scanning Kelvin probe

Mizsei, Janos; **Korolkov, Oleg**; **Toompuu, Jana; Mikli, Valdek; Rang, Toomas** *Silicon Carbide and Related Materials* 2012 : selected peer reviewed papers from the 9th European Conference on Silicon Carbide and Related Materials (ECSCRM 2012), September 2-6, 2012, St. Petersburg, Russian Federation 2013 / p. 677-680 : ill <https://doi.org/10.4028/www.scientific.net/MSF.740-742.677> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Conference Proceedings at WOS](#) [Article at WOS](#)

Study of the effect of mechanical treatment and supercritical CO_2 extraction on aspen BCTMP by surface charge measurements and SEM

Kärner, Kärt; Talviste, Rasmus; Viipsi, Karin; Elomaa, Matti Antero; Kallavus, Urve *Cellulose chemistry and technology* 2014 / p. 535-544 : ill [https://www.cellulosechemtechnol.ro/pdf/CCT5-6\(2014\)/p.535-544.pdf](https://www.cellulosechemtechnol.ro/pdf/CCT5-6(2014)/p.535-544.pdf) [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Study of the optical properties of $\text{Sb}_2(\text{Se}_{1-x}\text{S}_x)_3$ ($x = 0-1$) solid solutions

Uslu, Mehmet Ender; Kondrotas, Rokas; Nedzinskas, Ramunas; **Volobujeva, Olga; Timmo, Kristi; Kauk-Kuusik, Marit; Krustok, Jüri; Grossberg, Maarja** *Materials science in semiconductor processing* 2022 / art. 106571 <https://doi.org/10.1016/j.mssp.2022.106571> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Study of the structure and optoelectronic properties of $\text{Cu}_2\text{Ge}(\text{SexS}_{1-x})_3$ microcrystalline powders

Li, Xiaofeng; Timmo, Kristi; Grossberg, Maarja; Pilvet, Maris; Kaupmees, Reelika; Krustok, Jüri; Muska, Katri; Mikli, Valdek;

Kauk-Kuusik, Marit Thin solid films 2022 / art. 139053, 6 p. : ill <https://doi.org/10.1016/j.tsf.2021.139053> [Journal metrics at Scopus](#)
[Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Sulfamethizole-imprinted polymer on screen-printed electrodes: Towards the design of a portable environmental sensor
Ayankojo, Akinrinade George; Reut, Jekaterina; Öpik, Andres; Sõritski, Vitali Sensors and actuators B. Chemical 2020 / art. 128600, 9 p. : ill <https://doi.org/10.1016/j.snb.2020.128600> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Sulfur in kukersite shale oil : its distribution in shale oil fractions and the effect of gaseous environment
Mozaffari, Sepehr; Baird, Zachariah Steven; Järvi, Oliver Journal of thermal analysis and calorimetry 2022 / p. 11601-11610
<https://doi.org/10.1007/s10973-022-11359-8> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Sunlight-driven photocatalytic degradation of methylene blue with facile one-step synthesized Cu-Cu₂O-Cu₃N nanoparticle mixtures
Paredes, Patricio; Rauwel, Erwan; Wragg, David S.; Rapenne, Laetitia; Estephan, Elias; **Volobujeva, Olga**; Rauwel, Protima
Nanomaterials 2023 / art. 1311 <https://doi.org/10.3390/nano13081311> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Super twisting sliding mode control strategy for input series output parallel converters
Guler, Naki; Bayhan, Sertac; Fesli, Ugur; **Blinov, Andrei; Vinnikov, Dmitri** IEEE Access 2023 / p. 107394 - 107403
<https://doi.org/10.1109/ACCESS.2023.3320178> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Superhard B₄C-ReB₂ composite by SPS of microwave synthesized nanopowders
Mnatsakanyan, R.; Davtyan, D.; **Minasyan, Tatevik; Aydinyan, Sofiya; Hussainova, Irina** Materials letters 2021 / art. 129163, 5 p.
: ill <https://doi.org/10.1016/j.matlet.2020.129163> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Superior wear resistance in EBM-Processed TC4 alloy compared with SLM and forged samples
Zhang, Weiwen; Qin, Peiting; Wang, Zhi; Yang, Chao; **Kollo, Lauri**; Grzesiak, Dariusz; **Prashanth, Konda Gokuldoss** Materials
2019 / art. 782 <https://doi.org/10.3390/ma12050782> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Supramolecular chirogenesis in zinc porphyrins by enantiopure hemicucurbit[n]urils (n = 6, 8)
Ustrnul, Lukas; Kaabel, Sandra; Burankova, Tatsiana; **Martõnova, Jevgenia; Konrad, Nele; Borovkov, Victor; Aav, Riina**
Chemical communications 2019 / p. 14434-14437 : ill <https://doi.org/10.1039/c9cc07150d> [Journal metrics at Scopus](#) [Article at Scopus](#)
[Journal metrics at WOS](#) [Article at WOS](#)

Supramolecular systems based on novel amphiphiles and a polymer : aggregation and selective solubilization
Gabdrakhmanov, Dinar; Samarkina, Darya; Krylova, Evgeniya; **Kapitanov, Illia; Karpichev, Yevgen** Journal of surfactants and
detergents 2019 / p. 865-874 : ill <https://doi.org/10.1002/jsde.12257> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#)
[Article at WOS](#)

Surface plasmon resonance caused by gold nanoparticles formed on sprayed TiO₂ films
Oja Acik, Ilona; Dolgov, Leonid; **Krunks, Malle; Mere, Arvo; Mikli, Valdek**; Pikker, Siim; Loot, Ardi; Sildos, Ilmo Thin solid films
2014 / p. 144-147 : ill <https://doi.org/10.1016/j.tsf.2013.11.125> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#)
[Article at WOS](#)

Surface properties of sprayed and electrodeposited ZnO rod layers
Gromõko, Inga; Krunks, Malle; Dedova, Tatjana; Katerski, Atanas; Klauson, Deniss; Oja Acik, Ilona Applied surface science
2017 / p. 521-528 : ill <https://doi.org/10.1016/j.apsusc.2017.02.065> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#)
[Article at WOS](#)

Surface-active thermally responsive hydrogels by emulsion sedimentation for smart window applications
Timusk, Martin; Locs, Janis; Kangur, Triin; Kasikov, Aarne; **Kurnitski, Jarek**; Šutka, Andris ACS applied polymer materials 2023 / p.
5937-5950 : ill <https://doi.org/10.1021/acsapm.3c00600> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Surfactant and non-surfactant radical scavengers in aqueous reactions induced by pulsed corona discharge treatment
Wang, Yi-Xian; Kornev, Iakov; Wei, Chao-Hai; **Preis, Sergei** Journal of electrostatics 2019 / p. 82-86 : ill
<https://doi.org/10.1016/j.elstat.2019.03.001> [Tehnikaülikooli teadlaste uudne lahendus puhastab vett elektriga](#) [Journal metrics at Scopus](#) [Article at Scopus](#)
[Journal metrics at WOS](#) [Article at WOS](#)