Abrasion and erosion resistance of cermets : a review
Kübarsepp, Jakob; **Juhani, Kristjan**; **Tarraste, Marek** Materials 2022 / art. 69 https://doi.org/10.3390/ma15010069 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Abrasive impact wear and surface fatigue wear behaviour of Fe–Cr–C PTA overlays
Veinthal, Renno; **Sergejev, Fjodor**; **Zikin, Arkadi**; **Tarbe, Riho**; Hornung, Johann Wear 2013 / p. 102-108 https://www.sciencedirect.com/science/article/pii/S0043164813000999 https://doi.org/10.1016/j.wear.2013.01.077 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Abrasive wear resistance of HVOF sprayed and PTA-welded hardmetal hard phase reinforced metal-matrix based coatings
Tarbe, Riho; **Kulu, Priit**; Zikin, Arkadi; **Surženkov, Andrei** Engineering materials & tribology XXII 2014 / p. 3-7 https://doi.org/10.4028/www.scientific.net/KEM.604.3 Conference proceedings at Scopus Article at Scopus Conference proceedings at WOS Article at WOS

Abrasive-erosive wear of thermally sprayed coatings from experimental and commercial Cr3C2-based powders
Sarjas, Heikki; **Surženkov, Andrei**; **Juhani, Kristjan**; **Antonov, Maksim**; **Adoberg, Eron**; **Kulu, Priit**; **Viljus, Mart**; **Traksmaa, 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

Accuracy of the Mindlin model in A0 Lamb mode scattering from partial through-thickness damage
Lints, Martin; **Ratassepp, Madis** Applied Sciences (Switzerland) 2024 / art. 9351 https://doi.org/10.3390/app14209351 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.surfin.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 ast 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, Ibrahem 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, Juergen 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.jpclett.9b03552 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Advanced, universal, and facile gel spinning-based aerogel fibrillation : in situ fabrication of highly stretchable TPU-silica hybrid network in ambient conditions
Omranpour, Hosseinali; Hassanifard, Soran; Monfared, Ali Reza; **Omranpour Shahreza, Babak**; Salehi, Amirmehdi; Jalali, Amirjalal; Kheradmandkeymousi, Mohamad; Rahman, Saadman Sakib; Behdinan, Kamran; Park, Chul B. Advanced composites and hybrid materials 2024 / art. 105 https://doi.org/10.1007/s42114-024-00911-9 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Advances in machine fault diagnosis
Vaimann, Toomas Applied sciences 2021 / art. 7348, 5 p https://doi.org/10.3390/app11167348 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Advances in the one-step synthesis of 2D and 3D sulfide materials grown by pulsed laser deposition assisted by a sulfur thermal cracker
Esterlich, Joan Ramish; Affannoukoue, Kevin; **Kaupmees, Reelika**; Miakota, Denys; Engberg, Sara; **Grossberg-Kuusk, Maarja**; Schou, Jorgen; Canulescu, Stela Applied physics. A, Materials science & processing 2023 / art. 59, 8 p. : ill
https://doi.org/10.1007/s00339-022-06319-w Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Aerosol-assisted fine-tuning of optoelectrical properties of SWCNT films
Tsapenko, Alexey; Romanov, Stepan; Satco, Daria; **Volobujeva, Olga**; **Danilson, Mati** The journal of physical chemistry letters 2019 / p. 3961-3965 : ill https://doi.org/10.1021/acs.jpclett.9b01498 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Affinity of zinc and copper ions for insulin monomers
Gavrilova, Julia; **Tõugu, 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; **Samieipour, 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
Samieipour, 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

Aggregator index for 24-hour energy flexibility evaluation in an ADN including PHEVs
Rashtbaryan, A.; Gharehpetian, Gevork B.; Baghaee, H. R.; **Ahmadiahangar, Roya** IEEE Access 2024 / p. 16105-16116
https://doi.org/10.1109/ACCESS.2024.3353136 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

AI technologies and their applications in small-scale electric power systems

Shahid, Arqum; **Plaum, Freddy**; **Korõtko, Tarmo**; **Rosin, Argo** IEEE Access 2024 / p. 109984-110001 https://doi.org/10.1109/ACCESS.2024.3440067 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

AlIIIsolutionIIprocessed 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/pip.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

An alternative chlorine-assisted optimization of CdS/Sb2Se3 solar cells : towards understanding of chlorine incorporation mechanism
Gopi, Sajeesh Vadakkedath; **Spalatu, Nicolae**; **Katerski, Atanas**; Kulicek, Jaroslav; Razek, Bohuslav; Ukraintsev, Egor; Barinkova, Marketa Šlapal; Zoppi, Guillaume; **Krunks, Malle**; **Oja Acik, Ilona** Journal of alloys and compounds 2024 / art. 176175 https://doi.org/10.1016/j.jallcom.2024.176175 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Aluminate-based nanostructured luminescent materials : design of processing and functional properties
Rojas Hernandez, Rocio Estefania; Rubio-Marcos, Fernando; Fernandez, Jose Francisco; **Hussainova, Irina** Materials 2021 / art. 4591 https://doi.org/10.3390/ma14164591 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Aluminum matrix composites reinforced with metallic glass particles with core-shell structure
Guana, H.D.; Lia, C.J.; Gaoa, P.; **Prashanth, Konda Gokuldoss** Materials science and engineering : A 2020 / art. 138630, 5 p. : ill https://doi.org/10.1016/j.msea.2019.138630 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Amino acid-functionalized calix[4]resorcinarene solubilization by mono- and dicationic surfactants
Zakharova, Lucia Ya.; Serdyuk, Anna A.; Mirgorodskaya, Alla B.; **Karpichev, Yevgen** Journal of surfactants and detergents 2016 / p. 493-499 : ill https://doi.org/10.1007/s11743-016-1792-0 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Aminocatalysts are more environmentally friendly than hydrogen-bonding catalysts
Sihtmäe, Mariliis; **Silm, Estelle**; **Kriis, Kadri**; Kahru, Anne; **Kanger, Tõnis** ChemSusChem 2022 / art. e202201045, 5 p. : ill https://doi.org/10.1002/cssc.202201045 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Amorphous Zn(O,Se) buffer layer for Cu(In,Ga)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 integrated electroactive polymer sensor-actuator : design, model-based control, and performance characterization
Hunt, Andres; Chen, Zheng; Tan, K.; **Kruusmaa, Maarja** Smart materials and structures 2016 / art. 035016, p. 1-16 : ill https://doi.org/10.1088/0964-1726/25/3/035016 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

An orthotropic material model for steel fibre reinforced concrete based on the orientation distribution of fibres
Eik, Marika; Puttonen, Jari; **Herrmann, Heiko** Composite structures 2015 / p. 324-336 : ill https://doi.org/10.1016/j.compstruct.2014.11.018 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Analysis of barrier inhomogeneities of P-type Al/4H-SiC Schottky barrier diodes
Ziko, Mehadi Hasan; **Koel, Ants**; **Rang, Toomas**; **Toompuu, Jana** Silicon Carbide and Related Materials 2019 : Selected peer-reviewed papers from International Conference on Silicon Carbide and Related Materials 2019 (ICSCRM 2019), September 29 - October 4, 2019, Kyoto, Japan Materials science forum 2020 / p. 960-972 https://doi.org/10.4028/www.scientific.net/MSF.1004.960

Conference proceedings at Scopus Article at Scopus

Analysis of design requirements and optimization possibilities of partial power converter for photovoltaic string applications in DC microgrids
Chub, Andrii; **Hassanpour, Naser**; **Yadav, Neelesh**; **Jalakas, Tanel**; **Blinov, Andrei**; **Vinnikov, Dmitri** IEEE Access 2024 / p. 14605-14619 https://doi.org/10.1109/ACCESS.2024.3354375 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Analysis of electromagnetic force ripple in a bearingless synchronous reluctance motor
Mukherjee, Victor; Rasilo, Paavo; Martin, Floran; **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 optical properties and structure of GaTe - CdTe nanocomposite
Caraman, Iuliana; Untila, Dumitru; Evtodiev, Igor; Canter, Valeriu; **Spalatu, Nicolae**; Rusu, Dragos; Luchian, Efimia; Rotaru, Irina Chalcogenide letters 2015 / p. 683-692 : ill https://chalcogen.ro/683_Caraman.pdf Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Analysis of short fibres orientation in steel fibre-reinforced concrete (SFRC) by X-ray tomography
Suuronen, Jussi-Petteri; **Eik, Marika**; **Herrmann, Heiko** Journal of materials science 2013 / p. 1358-1367 : ill https://doi.org/10.1007/s10853-012-6882-4 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Anisotropic and strain-dependent model of magnetostriction in electrical steel sheets
Belahcen, Anouar; Singh, Deepak; Rasilo, Paavo; Martin, Floran; Ghalamestani, Setareh Gorji; Vandevelde, Lieven IEEE transactions on magnetics 2015 / p. 200-204 : ill https://doi.org/10.1109/TMAG.2014.2361681 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Annealing effect for SnS thin films prepared by high-vacuum evaporation
Revathi, Naidu; **Bereznev, Sergei**; **Loorits, Mihkel**; **Raudoja, Jaan**; **Lehner, Julia**; **Gurevitš, 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
Maticiuc, 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-fe2 o3) nanoparticles to escherichia coli, staphylococcus aureus and vibrio fischeri
Vihodceva, Svetlana; Šutka, Andris; Sihtmäe, Mariliis; **Rosenberg, Merilin**; Otsus, Maarja; Kurvet, Imbi; Smits, Krisjanis; Bikse, Liga; Kahru, Anne; Kasemets, Kaja Nanomaterials 2021 / p. 1-26 https://doi.org/10.3390/nano11030652 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Application of active thermography for the study of losses in components produced by laser powder Bed fusion
Quercio, Michele; Poskovic, Emir; Franchini, Fausto; Fracchia, Elisa; Ferraris, Luca; Canova, Aldo; Tenconi, Alberto; **Tiismus, Hans**; **Kallaste, Ants** Journal of magnetism and magnetic materials 2024 / art. 171796 https://doi.org/10.1016/j.jmmm.2024.171796 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Application of HOHWM for vibration analysis of nanobeams
Kirs, Maarjus; **Eerme, Martin**; Bassir, David; **Tungel, Ernst** 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. 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 bromide oxidized with pulsed corona discharge
Petrotšenko, Irina; **Preis, Sergei** Journal of electrostatics 2024 / art. 103978, 9 p. : ill https://doi.org/10.1016/j.elstat.2024.103978 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

The ARROWS project : robotic technologies for underwater archaeology
Allotta, Benedetto; Costanzi, Riccardo; Ridolfi, Alessandro; Salvetti, Ovidio; Reggiannini, Marco; **Kruusmaa, Maarja**; **Salumäe, Taavi**; Lane, David M. Mike; Frost, Gordon; Tsiogkas, Nikolaos; Cocco, Michele IOP conference series : materials science and engineering 2018 / art. 012088 https://doi.org/10.1088/1757-899X/364/1/012088 Conference Proceedings at Scopus Article at Scopus Article at WOS

Artificial Intelligence in the hierarchical control of ac, dc and hybrid ac/dc microgrids : A review
Gutiérrez-Escalona, J.; Roncero-Clemente, C.; **Husev, Oleksandr**; **Matiushkin, Oleksandr**; Blaabjerg, Frede IEEE Access 2024 / p. 157227-157246 https://doi.org/10.1109/ACCESS.2024.3486382 Journal metrics at Scopus Article at Scopus Journal metrics at WOS 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

Assessment of the reliability of hardfacings for soil rippers
Jankauskas, Vytenis; Katinas, Egidijus; Varnauskas, Valentinas; Katinas, A.; **Antonov, Maksim** Journal of friction and wear 2015 / p. 89-95 : ill https://doi.org/10.3103/S106836661501016X Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Asymmetric cyclopropanation via an electro-organocatalytic cascade
Krech, Anastasiya; **Laktsevich-Iskryk, Marharyta**; **Deil, Nora**; **Fokin, Mihhail**; **Kimm, Mariliis**; **Ošeka, Maksim** Chemical communications 2024 / 14026-14029 https://doi.org/10.1039/D4CC05092D Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Asymmetric NDI electron transporting SAM materials for application in photovoltaic devices
Svirskaite, Lauryna Monika; **Mandati, Sreekanth**; **Spalatu, Nicolae**; Malinauskiene, Vida; Karazhanov, Smagul; Getautis, Vytautas; Malinauskas, Tadas Synthetic metals 2022 / art. 117214 https://doi.org/10.1016/j.synthmet.2022.117214 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Atomic layer deposition of aluminaon 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

Atomic structure and dynamics of unusual and wide-gap phase-change chalcogenides : a GeTe2 case
Usuki, Takeshi; Benmore, Chris J.; Tverjanovich, Andrey; **Bereznev, Sergei**; Khomenko, Maxim; Sokolov, Anton; Fontanari, Daniele; Ohara, Koji; Bokova, Maria; Kassem, Mohammad; Bychkov, Eugene Physica status solidi - rapid research letters 2024 / art. 2300482 https://doi.org/10.1002/pssr.202300482 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Atypical phase-change alloy 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, Jakub; **Mikli, Valdek**; **Adoberg, Eron**; **Vagiström, Heinar**; **Kübarsepp, Jakob**; **Peetsalu, Priidu** Modern Materials and Manufacturing 2019 : 12th International DAAAM Baltic Conference and 27th International Baltic Conference 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.ester.ee/record=b5235278*est Conference proceeding at Scopus Article at Scopus

Back-calculation of elastic moduli of a ply from the moduli of cross-ply laminates
Lasn, Kaspar; **Klauson, Aleksander**; Echtermeyer, Andreas T. Mechanics of composite materials 2015 / p. 55-68 : ill https://doi.org/10.1007/s11029-015-9476-9 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Bacterial polysaccharide levan as stabilizing, non-toxic and functional coating material for microelement-nanoparticles
Bondarenko, Olesja; Ivask, Angela; Kahru, Anne; **Titma, Tiina**; **Pudova, Ksenia**; **Adamberg, Signe** Carbohydrate polymers 2015 / p. 710-720 : ill https://doi.org/10.1016/j.carbpol.2015.09.093 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Band gap engineering by cationic substitution in Sn(Zr1−xTix)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 Kani, Seyed 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**; Tõkke, Siim; Väli, B.; **Shirokova, Veroonika**; **Antonov, Maksim**; Gribkov, V.A.; Demina, E.V.; Pimenov, V.N.; Paduch, M.; Matulka, R.; Akel, M. Fusion engineering and design 2020 / art. 111408 https://doi.org/10.1016/j.fusengdes.2019.111408 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Beneficial effects of stoichiometry and nanostructure for a $LiBH_4$-MgH_2 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

Bioinspired and multifunctional tribological materials for sliding, erosive, machining, and energy-absorbing conditions : A review
Kumar, Rahul, 1993-; **Rezapourianghahfarokhi, Mansoureh**; Rahmani Ahranjani, Ramin; **Maurya, Himanshu Singh**; **Kamboj, Nikhil Kumar**; **Hussainova, Irina** Biomimetics 2024 / art. 209 https://doi.org/10.3390/biomimetics9040209 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Bio-inspired 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

Bioinspired whisker sensor for 3D mapping of underground mining environments
Gomez, Virgilio; **Remmas, Mohamed Walid**; Hernando, Miguel; **Ristolainen, Asko**; Rossi, Claudio Biomimetics 2024 / art. 83 https://doi.org/10.3390/biomimetics9020083 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Biomechanical Features of Graphene-Augmented Inorganic Nanofibrous Scaffolds and Their Physical Interaction with Viruse
Gasik, Michael; **Ivanov, Roman**; Kazantseva, Jekaterina; Bilotsky, Yevgen; **Hussainova, Irina** Materials 2021 / art. 164 https://doi.org/10.3390/ma14010164 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Biomimetic design of implants for long bone critical-sized defects
Rezapourianghahfarokhi, Mansoureh; **Kamboj, Nikhil Kumar**; Jasiuk, Iwona; **Hussainova, Irina** Journal of the mechanical behavior of biomedical materials 2022 / art. 105370 https://doi.org/10.1016/j.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

Bio-templated aerogel fibers: heterogeneous spinodal architecting and in situ fibrillation of thermoplastic polyurethane-silica on nanostructured cellulose nanofiber scaffold for enhanced thermomechanical performance
Omranpour, Hosseinali; Monfared, Ali Reza; Buahom, Piyapong; **Omranpour Shahreza, Babak**; Salehi, Amirmehdi; Rahmati, Reza; Park, Chul B. ACS applied materials and interfaces 2024 / p. 57981-57994 : ill https://doi.org/10.1021/acsami.4c14503 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

1-butyl-3-methylimidazolium chloride assisted electrospinning of SAN/MWCNTs conductive reinforced composite membranes
Gudkova, Viktoria; **Krumme, Andres**; **Märtson, Triin**; **Rikko, M.**; **Tarasova, Elvira**; **Savest, Natalja**; **Viirsalu, Mihkel** Journal of electrostatics 2015 / p. 11-16 : ill https://doi.org/10.1016/j.elstat.2015.09.002 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Boosting phosphorescence efficiency by crystal anisotropy in 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; Jeništová, 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 metricsc 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 HVAF 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 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; **Gurevitš, 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
Ahmadiahangar, 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 Si_3N_4 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 (BALTMATTRIB & 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 LiFexCo 1-xPO4
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, Thi Thuy Tran**; **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 CdI2 and LiI
Ghisani, Fairouz; **Timmo, Kristi**; **Altosaar, Mare**; **Mikli, Valdek**; **Pilvet, Maris**; **Kaupmees, Reelika**; **Krustok, Jüri**; **Grossberg, Maarja**; **Kauk-Kuusik, Marit** Thin solid films 2021 / art. 138980 https://doi.org/10.1016/j.tsf.2021.138980 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Characterization of the applied materials for floating offshore wind turbine members: A review on the current state
Wijaya, Muhammad Rizky Arga; Adiputra, Ristiyanto; Aditya Rio, Prabowo; **Putranto, Teguh**; Smaradhana, Dharu Feby Procedia Structural Integrity, vol 37 2023 / p. 41-49 : ill https://doi.org/10.1016/j.prostr.2023.07.108 Conference proceedings at Scopus Article at Scopus

Characterization of the temperature dependent behavior of snappy phenomenon by the switching-off of GaAs power diode structures
Koel, Ants; **Rang, Toomas**; **Rang, Galina** Heat transfer XIII : simulation and experiments in heat and mass transfer 2014 / p. 439-449 : ill https://doi.org/10.2495/HT140381 Conference proceedings at Scopus Article at Scopus

Characterization of TiC-FeCrMn cermets produced by powder metallurgy method
Kolnes, Märt; **Kübarsepp, Jakob**; **Kollo, Lauri**; **Viljus, Mart** Medžiagotyra = Materials science 2015 / p. 353-357 : ill https://doi.org/10.5755/j01.ms.21.3.7364 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Characterizing the bond properties of automatically placed helical reinforcement in 3D printed concrete
Hass, Lauri; Bos, F.P.; Salet, T.A.M. Construction and building materials 2022 / art. 129228, 16 p. : ill https://doi.org/10.1016/j.conbuildmat.2022.129228 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Charring performance of timber structures protected by traditional lime-based plasters
Liblik, Johanna; **Nurk, Meeri**; **Just, Alar** Construction and building materials 2022 / art. 128572
https://doi.org/10.1016/j.conbuildmat.2022.128572 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Chemical bath deposition of SnS thin films on ZnS and CdS substrates
Safonova, Maria; Nair, Padmanabhan Pankajakshy Karunakaran; **Mellikov, Enn**; Garcia, A. R.; **Kerm, Karin**; **Revathi, Naidu**; Romann, Tavo; **Mikli, Valdek**; **Volobujeva, Olga** Journal of materials science : materials in electronics 2014 / p. 3160-3165 : ill
https://doi.org/10.1007/s10854-014-1998-8 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Chemical etching of tetrahedrite 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

Chloromethylation of lignin as a route to functional material with catalytic properties in cross-coupling and click reactions
Mohan, Mahendra Kothottil; **Silenko, Oleg**; **Krasnou, Illia**; **Volobujeva, Olga**; **Kulp, Maria**; **Ošeka, Maksim**; **Lukk, Tiit**; **Karpichev, Yevgen** ChemSusChem 2024 / art. e202301588 https://doi.org/10.1002/cssc.202301588 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Circular production, designing, and mechanical testing of polypropylene-based reinforced composite materials : statistical analysis for potential automotive and nuclear applications
Hussain, Abrar; **Podgurski, Vitali**; **Goljandin, Dmitri**; **Antonov, Maksim**; **Sergejev, Fjodor**; **Krasnou, Illia** Polymers 2023 / art. 3410, 30 p. : ill https://doi.org/10.3390/polym15163410 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Circumventing Solidification Cracking Susceptibility in Al–Cu Alloys Prepared by Laser Powder Bed Fusion
Xi, Lixia; Lu, Qiuyang; Gu, Dongdong; Cao, Shaoting; Zhang, Han; Kaban, Ivan; Sarac, Baran; **Prashanth, Konda Gokuldoss**; Eckert, Jürgen 3D Printing and Additive Manufacturing 2024 / p. E731 - E742 https://doi.org/10.1089/3dp.2022.0207 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Clustering-based penalty signal design for flexibility utilization
Rosin, Argo; **Ahmadiahangar, 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 enchanced electrical properties
Oluwabi, Abayomi Titilope; **Spalatu, Nicolae**; Maticiuc, 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

Combined sol-gel and carbothermal synthesis of ZrC-TiC powders for composites
Umalas, Madis; **Hussainova, Irina**; Reedo, Valter; **Yung, Der-Liang** Materials chemistry and physics 2015 / p. 301-306 : ill
https://doi.org/10.1016/j.matchemphys.2015.01.017 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Combustion synthesis and reactive spark plasma sintering of non-equiatomic coal-based high entropy intermetallics
Kuskov, Kirill Vasilevich; Nepapushev, Andrey A.; **Aydinyan, Sofiya**; Shaysultanov, Dmitry G.; Stepanov, Nikita D.; Nazaretyan, Khachik; Kharatyan, Suren; Zakharova, Elena V.; Belov, Dmitry S.; Moskovskikh, Dmitry O. Materials 2023 / art. 1490 https://doi.org/10.3390/ma16041490 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Combustion synthesis of MAX phases: microstructure and properties inherited from the processing pathway
Aydinyan, Sofiya Crystals 2023 / art. 1143 https://doi.org/10.3390/cryst13071143 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Combustion synthesis of 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**; **Sleptsuk, Natalja** Silicon Carbide and Related Materials 2019 : 18th International Conference on Silicon Carbide and Related Materials 2019 (ICSCRM 2019), Kyoto, Japan, September 29 - October 4, 2019 2020 / p. 231-236 https://doi.org/10.4028/www.scientific.net/MSF.1004.231 Conference Proceedings at Scopus Article at Scopus

Comparative study of adhesive wear for CoCr, TiC-NiMo, WC-Co as potential FSW tool materials
Kolnes, Mart; **Kübarsepp, Jakob**; **Sergejev, Fjodor**; **Kolnes, Märt** Materials Engineering 2017 : selected, peer reviewed papers from the 26th International Baltic Conference on Materials Engineering 2017, October 26-27, Kaunas, Lithuania 2017 / p. 224-228 : ill https://doi.org/10.4028/www.scientific.net/SSP.267.224 Conference proceedings at Scopus Article at Scopus

Comparative study of microstructure and mechanical properties of Mg/B4C composites: Influence of sintering method and temperature
Ghasali, Ehsan; **Kariminejad, Arash**; Raza, Saleem; Orooji, Yasin; Paimard, Giti; Babenko, Andrii; Jie, Li; Ebadzadeh, Touradj Materials chemistry and physics 2024 / art. 129876 https://doi.org/10.1016/j.matchemphys.2024.129876 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Comparative study of perhydropolysilazane protective films
Shmagina, Elizaveta; **Danilson, Mati**; **Mikli, Valdek**; **Bereznev, Sergei** Surface engineering 2022 / p. 769-777 : ill https://doi.org/10.1080/02670844.2022.2155445 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Comparative study of plasma cladded Fe-based composite hardfacings with in situ synthesized Cr and Ti carbide reinforcement
Tkachivskyi, 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 crystaldiamond and Si(100) substrates
Podgurski, Vitali; **Bogatov, Andrei**; **Yashin, Maxim**; **Viljus, Mart**; **Volobujeva, Olga**; **Mere, Arvo**; **Raadik, Taavi** Diamond and related materials 2019 / p. 159-167 : ill https://doi.org/10.1016/j.diamond.2018.12.024 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

Comparative study on electroless composite coatings of textured and untextured Al-substrates
Singh, Garima; **Mohanty, Shalini**; Kumar Singh, Rabesh; Rai Dixit, Amit; Kumar Sharma, Anuj Materials today: proceedings 2023 / p. 233-240 : ill https://doi.org/10.1016/j.matpr.2022.12.079 Conference proceedings at Scopus Article at Scopus

A comparative study on physio-mechanical properties of silica compacts fabricated using rice husk ash derived amorphous and crystalline silica
Gupta, Ashutosh; Pandey, Vaibhav; **Yadav, Mayank Kumar**; Mohanta, Kalyani; Majhi, Manas Ranjan Ceramics international 2022 / p. 35750-35758 https://doi.org/10.1016/j.ceramint.2022.07.098 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Comparing rock shape models in grounding damage modelling
Sormunen, Otto-Ville Edvard; Kõrgesaar, Mihkel; **Tabri, Kristjan**; **Heinvee, Martin**; **Urbel, Annika**; Kujala, Pentti Marine structures 2016 / p. 205-223 : ill https://doi.org/10.1016/j.marstruc.2016.07.004 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Comparison of additively manufacturing samples fabricated from pre-alloyed and mechanically mixed powders
Zhao, Chao; Wang, Zhi; Li, Daoxi; Xie, Meishen; **Kollo, Lauri**; Luo, Zongqiang; Zhang, Weiwen; **Prashanth, Konda Gokuldoss** Journal of alloys and compounds 2020 / art. 154603, 5 p. : ill https://doi.org/10.1016/j.jallcom.2020.154603 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Comparison of damages in tungsten and tungsten doped with lanthanum-oxide exposed to dense deuterium plasma shots
Shirokova, Veroonika; Laas, Tõnu; **Mikli, Valdek** Journal of nuclear materials 2013 / p. 181-188 : ill https://www.sciencedirect.com/science/article/abs/pii/S0022311512006848 https://doi.org/10.1016/j.jnucmat.2012.12.027 Journal metrics at

Scopus Article at Scopus Journal metrics at WOS Article at WOS

Comparison of laminate stiffness as measured by three experimental methods
Lasn, Kaspar; Echtermeyer, Andreas T.; **Klauson, Aleksander**; Chati, Farid; Decultot, Dominique Polymer testing 2015 / p. 143-152 : ill https://doi.org/10.1016/j.polymertesting.2015.04.006 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Comparison of mechanical and antibacterial properties of 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, Floran; Krebs, Guillaume; **Belahcen, Anouar**; Marchand, Claude IEEE transactions on magnetics 2021 / art. 9355193, 7 p. : ill https://doi.org/10.1109/TMAG.2021.3059969 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Comparison of performance-based specification properties for asphalt binders sourced from around the world
Lill, Kristjan; Khan, Ahmad Nawaz; **Kontson, Karli**; Hesp, Simon A. M. Construction and building materials 2020 / art. 120552, 8 p. : ill https://doi.org/10.1016/j.conbuildmat.2020.120552 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Comparison of plasma transferred arc and submerged arc welded abrasive wear resistant composite hardfacings
Simson, Taavi; **Kulu, Priit**; **Surženkov, Andrei**; Ciuplys, Antanas; **Viljus, Mart**; Zaldarys, Gintautas Materials science = Medžiagotyra 2018 / p. 172-176 : ill https://doi.org/10.5755/j01.ms.24.2.19121 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Comparison of some mechanical and physical methods for measurement of residual stresses in brush-plated nickel hardened gold and silver coatings
Lille, Harri; Kõo, Jakub; Ryabchikov, Alexander; Reitsnik, Renno; **Sergejev, Fjodor**; Matvejev, Dmitri Materials science = Medžiagotyra 2016 / p. 36-40 : ill https://doi.org/10.5755/j01.ms.22.1.7439 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Compensation topologies in IPT Systems : standards, requirements, classification, analysis, comparison and application
Shevchenko, Viktor; **Husev, Oleksandr**; Strzelecki, Ryszard IEEE Access 2019 / art. 2937891, p. 120559–120580 : ill https://doi.org/10.1109/ACCESS.2019.2937891 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

A competitive framework for the participation of multi-microgrids in the community energy trading market: A case study
Zahraoui, Younes; **Korõtko, Tarmo**; **Rosin, Argo**; Zidane, Tekai Eddine Khalil; **Agabus, Hannes**; Mekhilef, Saad IEEE Access 2024 / p. 68232-68248 https://doi.org//10.1109/ACCESS.2024.3399168 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Composition of engineering drawing through communication skills and social/material interactions from the semiotic aspect
Lille, Harri; **Ruus, Aime** IOP conference series : materials science and engineering 4th International Conference on Innovative Materials, Structures and Technologies (IMST 2019) : 25–27 September 2019, Riga, Latvia 2019 / art. 012011, 6 p https://doi.org/10.1088/1757-899X/660/1/012011 Conference proceedings at Scopus Article at Scopus Article at WOS

Compositionally tunable structure and optical properties of Cu1.85(CdxZn1 − x)1.1SnS4.1 (0 ≤ x ≤ 1) monograin powders
Pilvet, Maris; **Kauk-Kuusik, Marit**; **Altosaar, Mare**; **Grossberg, Maarja**; **Danilson, Mati**; **Timmo, Kristi**; **Mere, Arvo**; **Mikli, Valdek** Thin solid films 2015 / p. 180-183 : ill https://doi.org/10.1016/j.tsf.2014.10.091 Conference Proceedings at Scopus Article at Scopus Conference Proceedings at WOS Article at WOS

Comprehensive study of photoluminescence and device properties in Cu2Zn(Sn1−xGex)S4 monograins and monograin layer solar cells
Mengü, Idil; **Muska, Katri**; **Pilvet, Maris**; **Mikli, Valdek**; Dudutiene, Evelina; Kondrotas, Rokas; **Krustok, Jüri**; **Kauk-Kuusik, Marit**; **Grossberg-Kuusk, Maarja** Solar energy materials and solar cells 2024 / art. 113124 https://doi.org/10.1016/j.solmat.2024.113124 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

A comprehensive survey on revolutionizing connectivity through artificial intelligence-enabled digital twin network in 6G
Sheraz, Muhammad; Chuah, Teong Chee; Lee, Ying Loong; **Alam, Muhammad Mahtab**; Al-Habashna, Ala'a; Han, Zhu IEEE Access 2024 / p. 49184-49215 https://doi.org/10.1109/ACCESS.2024.3384272 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Computation of hysteresis torque and losses in a bearingless synchronous reluctance machine
Belahcen, Anouar; Mukhrejee, Victor; Martin, Floran; 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

Concept of wireless low-voltage DC socket for the residential house application
Shevchenko, Viktor; **Husev, Oleksandr**; **Pakhaliuk, Bohdan**; **Vinnikov, Dmitri**; Strzelecki, Ryszard IEEE Access 2024 / p. 143226-143236 https://doi.org/10.1109/ACCESS.2024.3471691 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Condition monitoring of a Cartesian robot with a mechanically damaged gear to create a fuzzy logic control and diagnosis algorithm
Autsou, Siarhei; **Kudelina, Karolina**; **Vaimann, Toomas**; **Rassõlkin, Anton**; **Kallaste, Ants** Applied sciences 2024 / art. 4241 https://doi.org/10.3390/app14104241 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Conformational switching of ethano-bridged Cu,H_2-bis-porphyrin induced by aromatic amines
Bettini, Simona; Maglie, Emanuela; Pagano, Rosanna; **Borovkov, Victor** Beilstein journal of nanotechnology 2015 / p. 2154-2160 : ill https://doi.org/10.3762/bjnano.6.221 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

A constitutive model for linear hyperelastic materials with orthotropic inclusions by use of quaternions
Herrmann, Heiko Continuum mechanics and thermodynamics 2021 / p. 1375-1384 https://doi.org/10.1007/s00161-021-00979-4 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Contact stiffness parameters for finite element modeling of contact
Sivitski, Alina; **Põdra, Priit** Modern Materials and Manufacturing 2019 : 12th International DAAAM Baltic Conference and 27th International Baltic Conference BALTMATTRIB 2019. Selected, peer reviewed papers from the conference Modern Materials and Manufacturing 2019 (MMM 2019), April 24-26, 2019, Tallinn, Estonia 2019 / p. 211-216 : ill https://www.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

Control of texture and microstructure in additive manufacturing of stainless steel 316L
Kumar, Deepak; Shankar, Gyan; **Prashanth, Konda Gokuldoss**; Suwas, Satyam Journal of alloys and compounds 2024 / art. 173040 https://doi.org/10.1016/j.jallcom.2023.173040 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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"
Shams Ghahfarokhi, Payam; 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 "An alternative chlorine-assisted optimization of CdS/Sb2Se3 solar cells: Towards understanding of chlorine incorporation mechanism" [J. Alloy. Compd. 1005 (2024) 176175](S0925838824027622)(10.1016/j.jallcom.2024.176175)
Vadakkedath Gopi, Sajeesh; **Spalatu, Nicolae**; **Katerski, Atanas**; Kuliček, Jaroslav; Rezek, Bohuslav; Ukraintsev, Egor; Bařinková, Markéta Šlapal; Zoppi, Guillaume; **Krunks, Malle**; **Acik, Ilona Oja** Journal of alloys and compounds 2024 / art. 176729, 1 p https://doi.org/10.1016/j.jallcom.2024.176729 Journal metrics at Scopus Article at Scopus

Corrigendum to "Fabrication of novel SiOxNy/SWCNT laminate-type composite protective coating using low-temperature approach" [Ceram. Int. 50 (2024) 34312–34320, (S0272884224026634), (10.1016/j.ceramint.2024.06.250)]
Shmagina, Elizaveta; **Volobujeva, Olga**; Nasibulin, Albert; **Bereznev, Sergei** Ceramics international 2025 / art. 48887 https://doi.org/10.1016/j.ceramint.2024.09.158 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, Veroonika**; **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

Corrosion behavior of 17–4 PH stainless steel manufactured by laser powder bed fusion: Effect of graphene coating and heat-treatment
Maharana, P.; Sahu, D. K.; Sahoo, D.; Mallik, A.; Mishra, S.; Ramakrishna, M.; **Prashanth, Konda Gokuldoss**; Gollapudi, S. Materials today communications 2024 / art. 111098 https://doi.org/10.1016/j.mtcomm.2024.111098 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Covalent coupling of ionic liquid to carbon nanotubes : preparation and tribological properties
Taaber, Triinu; Põhako-Esko, Kaija; **Antonov, Maksim**; **Veinthal, Renno** Materials Research Society symposium proceedings 2014 / p. UU06-30 : ill https://doi.org/10.1557/opl.2014.539 Conference proceedings at Scopus Article at Scopus

Crack formation and control in an AlCoCrFeNi high entropy alloy fabricated by selective laser melting
Wei, Shuimiao; Ma, Pan; Fang, Yacheng; Zhang, Zhiyu; Yang, Zhilu; Shi, Xuerong; **Prashanth, Konda Gokuldoss** 3D Printing and Additive Manufacturing 2024 / p. E628 - E637 https://doi.org/10.1089/3dp.2022.0142 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Creep and high temperature fatigue performance of as build selective laser melted Ti-based 6Al-4V titanium alloy
Viespoli, Luigi Mario; Bressan, Stefano; Itoh, Takamoto; Hiyoshi, Noritake; **Prashanth, Konda Gokuldoss**; Berto, Filippo Engineering failure analysis 2020 / art. 104477, 9 p. : ill https://doi.org/10.1016/j.engfailanal.2020.104477 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Critical radius of zirconia inclusions in transformation toughening of ceramics
Filippov, Roman; Freidin, Alexander; **Hussainova, Irina**; Vilchevskaya, Elena Physical mesomechanics 2015 / p. 33-42 : ill https://doi.org/10.1134/S1029959915010051 Journal metrics at Scopus Article at Scopus Journal metrics vat 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; **Lõhmus, 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(Se0.75S0.25)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

Dependance 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, Klavdya S.; Kozlovski, Vitali V.; **Korolkov, Oleg**; **Sleptsuk, 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 (BALTMATTRIB & 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 Moullec, Yannick**; Sintorn, Ida-Maria International Journal of Imaging Systems and Technology 2019 / p. 327-339 : ill https://doi.org/10.1002/ima.22373 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Determination of core losses using an inverse modeling technique
Osemwinyen, Osaruyi; Hemeida, Ahmed; **Shams Ghahfarokhi, Payam**; **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; Liibusk, 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.; Dehgahi, 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

Development of the method for calculation of plates to ensure optimization of hull thickness
Gornostajev, Dmitri; **Arjassov, Gennadi**; **Žigailov, Sergei** Mechatronic systems and materials VI 2015 / p. 796-801 : ill https://doi.org/10.4028/www.scientific.net/SSP.220-221.796 Conference proceedings at Scopus Article at Scopus

Development of Young's modulus of illitic clay during heating up to 1100 °C
Hulan, Tomaš; Trnik, Anton; Štubna, Igor; Bačik, Peter; **Kaljuvee, Tiit**; Vozar, Libor Medžiagotyra = Materials science 2015 / p. 429-434 : ill https://doi.org/10.5755/j01.ms.21.3.7152 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Developments in analytical chemistry initiated from green chemistry
Koel, Mihkel Sustainable Chemistry for the Environment 2024 / art.100078 https://doi.org/10.1016/j.scenv.2024.100078 Journal metrics at Scopus Article at Scopus

Dichroic absorption of aligned graphene-augmented inorganic nanofibers in the terahertz regime
Xenidis, Nikolaos; Przewloka, Aleksandra; Stelmaszczyk, Kamil; Haras, Maciej; Smirnov, Serguei; Krajewska, Aleksandra; **Ivanov, Roman**; **Hussainova, Irina**; Oberhammer, Joachim; Skotnicki, Tomas; Mierczyk, Zygmunt; Lioubtchenko, Dmitri Applied materials today 2024 / art. 102245 https://doi.org/10.1016/j.apmt.2024.102245 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 (BALTMATTRIB & 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 Journa 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 Al0.1CoCrFeNi high-entropy alloy and AISI304 stainless steel
Sokkalingam, Rathinavelu; Muthupandi, Veerappan; Sivaprasad, Katakam; **Prashanth, Konda Gokuldoss** Journal of materials research and technology 2019 / p. 2683-2694 : ill https://doi.org/10.1557/jmr.2019.186 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Dissimilar welding of high-entropy alloy to Inconel 718 superalloy for structural applications
Sokkalingam, Rathinavelu; Pravallika, B; Sivaprasad, Katakam; Muthupandi, Veerappan; **Prashanth, Konda Gokuldoss** Journal of materials research 2022 / p. 272-283 https://doi.org/10.1557/s43578-021-00352-w Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Distributed fusion and automated sensor tasking in ISR systems
Preden, 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]uril
Mishra, Kamini Atindrakumar; **Adamson, Jasper**; **Öeren, Mario**; **Kaabel, Sandra**; **Fomitšenko, Maria**; **Aav, Riina** Chemical communications 2020 / p. 14645−14648 https://doi.org/10.1039/D0CC06817A Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Dynamic modeling of networks, microgrids, and renewable sources in the dq0 reference frame : a survey
Baimel, Dmitry; **Belikov, Juri**; Guerrero, Joseph M.; Levron, Yoash IEEE Access 2017 / p. 21323-21335 : ill https://doi.org/10.1109/ACCESS.2017.2758523 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Dynamics of discontinuities in elastic solids
Berezovski, Arkadi; Berezovski, 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

ECG classification with event-driven sampling
Saeed, Maryam; **Märtens, Olev**; Larras, Benoit; Frappe, Antoine; John, Deepu; Cardiff, Barry IEEE Access 2024 / p. 25188-25199 https://doi.org/10.1109/ACCESS.2024.3364115 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Economic aspects of mechanical pre-treatment's role in precious metals recovery from electronic waste
Blumbergs, Ervins; Shishkin, Andrei; Markus, Karlis; Serga, Vera; **Goljandin, Dmitri**; **Klauson, Artur**; Abramovskis, Vitalijs; Baroniņš, Janis; Zarkov, Aleksej; Pankratov, Vladimir Metals 2024 / art. 95 https://doi.org/10.3390/met14010095 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

ECS an endeavor towards providing similar cache reliability behavior in different programs
Ahmadilivani, Mohammad Hasan; **Jahromi, Mohammad Moeini**; **Salehi, Mostafa E.**; Kargar, Mona Microelectronics Reliability 2024 / art. 115295 https://doi.org/10.1016/j.microrel.2023.115295 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Editorial : Fundamentals and challenges of advanced amorphous and high-entropy alloys
Song, Kaikai; Huang, Yongjiang; Li, Ran; Qiao, Jichao; Wang, Zhi; **Prashanth, Konda Gokuldoss**; **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 layer deposited aluminium oxide on mechanical properties of porous silicon carbide
Jõgiaas, Taivo; **Kollo, Lauri**; Kozlova, Jekaterina; Tamm, Aile; **Hussainova, Irina**; Kukli, Kaupo Ceramics international 2015 / p. 7519-7528 : ill https://doi.org/10.1016/j.ceramint.2015.02.074 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Effect of atomic oxygen irradiation on the structural and tribological properties of the MoS_2/Al_2O_3/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 (BALTMATTRIB & 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 (BALTMATTRIB & 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 CdCl2 annealing treatment on structural and optoelectronic properties of close spaced sublimation CdTe/CdS thin film solar cells vs deposition conditions
Spalatu, Nicolae; **Hiie, Jaan**; **Mikli, Valdek**; **Krunks, Malle**; **Valdna, Vello**; **Maticiuc, Natalia**; **Raadik, Taavi**; Caraman, Mihail Thin solid films 2015 / p. 128-133 : ill http://dx.doi.org/10.1016/j.tsf.2014.11.066 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Effect of ceramic reinforcement on the microstructural, mechanical and tribological behavior of Al-Cu alloy metal matrix composite
Aktar Zahid Sohag, Md; Gupta, Pallav; Kondal, Neha; Kumar, Devendra; **Singh, Neera**; Jamwal, Anbesh Materials today: proceedings 2020 / p. 1407-1411 https://doi.org/10.1016/j.matpr.2019.08.179 Conference Proceedings at Scopus Article at Scopus 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; Aleknevičiene, Vilija Coatings 2020 / art. 294, 19 p. : ill https://doi.org/10.3390/coatings10030294 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Effect of electrolyte composition on the surface characteristics of plasma electrolytic oxidation coatings over Ti40Nb alloy
Lokeshkumar, E.; Premchand, C.; Palanivel, Manojkumar; Shishir, R.; Krishna, L. Rama; **Prashanth, Konda Gokuldoss**; Rameshbabu, Nagumothu Surface and coatings technology 2023 / art. 129591 https://doi.org/10.1016/j.surfcoat.2023.129591 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Effect of erodent particle impact energy on wear of cemented carbides
Antonov, Maksim; Yung, Der-Liang; **Goljandin, Dmitri**; **Mikli, Valdek**; **Hussainova, Irina** Wear 2017 / p. 507-515 : ill https://doi.org/10.1016/j.wear.2016.11.032 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Effect of FeNiCrBSiC-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; Lehmhus, 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 graphene nanoplatelet content on mechanical and elevated-temperature tribological performance of self-lubricating ZE10 magnesium alloy nanocomposites
Kandemir, Sinan; **Yöyler, Sibel**; **Kumar, Rahul, 1993-**; **Antonov, Maksim**; Dieringa, Hajo Lubricants 2024 / art. 52 https://doi.org/10.3390/lubricants12020052 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Effect of green co-solvents on properties and synthesis of cellulose esters in superbase ionic liquid
Tarasova, Elvira; **Savale, Nutan Bharat**; **Trifonova, Lada**; **Krasnou, Illia**; Reile, Indrek; **Kudrjašova, Marina**; **Mere, Arvo**; **Kaljuvee, Tiit**; **Mikli, Valdek**; Sedrik, Rauno; **Krumme, Andres** Cellulose 2024 / p. 4911-4927 https://doi.org/10.1007/s10570-024-05920-x Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Effect of hard cyclic viscoplastic deformation on the microstructure, mechanical properties, and electrical conductivity of Cu-Cr alloy
Kommel, Lembit; Huot, Jacques; Omranpour Shahreza, Babak Journal of Materials Engineering and Performance 2022 / p. 9690-9702 https://doi.org/10.1007/s11665-022-06997-w Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

The effect of heat treatment on the morphology and mobility of Au nanoparticles
Oras, Sven; Vlassov, Sergei; Vigonski, Simon; Polyakov, Boris; Antsov, Mikk; Zadin, Vahur; Lõhmus, Rünno; Mougin, Karine Beilstein Journal of Nanotechnology 2020 / p. 61-67 https://doi.org/10.3762/bjnano.11.6 Journal metrics at Scopus article at Scopus Journal metrics at WOS Article at WOS

Effect of heat treatment on the phase transformation and magnetic properties of BPSCCO/LPMO composites
Staneva, Anna; Blagoev, Blagoy; **Mikli, Valdek** Journal of alloys and compounds 2014 / p. 223-228 : ill https://doi.org/10.1016/j.jallcom.2013.07.185 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Effect of hemp fiber surface treatment on the moisture/water resistance and reaction to fire of reinforced PLA composites
Alao, Percy Festus; Marrot, Laetitia; **Kallakas, Heikko**; **Just, Alar**; **Poltimäe, Triinu**; **Kers, Jaan** Materials 2021 / art. 4332, 17 p. : ill https://doi.org/10.3390/ma14154332 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Effect of hot dip galvanizing on the mechanical properties of high strength steels
Sepper, Sirli; **Peetsalu, Priidu**; **Saarna, Mart**; **Mikli, Valdek**; **Kulu, Priit** Engineering materials & tribology XXII 2014 / p. 12-15 : ill https://doi.org/10.4028/www.scientific.net/KEM.604.12 Conference proceedings at Scopus Article at Scopus Conference proceedings at WOS Article at WOS

Effect of interlayer delay on the microstructure and mechanical properties of wire arc additive manufactured wall structures
Singh, Shalini; Jinoop, Arackal Narayanan; Tarun Kumar, Gorlea Thrinadh Ananthvenkata; Palani, Iyamperumal Anand; Paul, Christopher R. C.; **Prashanth, Konda Gokuldoss** Materials 2021 / art. 4187, 13 p. : ill https://doi.org/10.3390/ma14154187 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

The effect of ionic liquids on the conductivity of electrospun polyacrylonitrile membranes
Savest, Natalja; **Plamus, Tiia**; **Tarasova, Elvira**; **Viirsalu, Mihkel**; **Krasnou, Illia**; **Gudkova, Viktoria**; **Küppar, Kadi-Anne**; **Krumme, Andres** Journal of electrostatics 2016 / p. 63-68 : ill https://doi.org/10.1016/j.elstat.2016.07.006 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

The effect of ionic liquids on the mechanical properties of electrospun polyacrylonitrile membranes
Plamus, Tiia; **Savest, Natalja**; **Viirsalu, Mihkel**; Harz, Patrick; **Tarasova, Elvira**; **Krasnou, Illia**; **Vassiljeva, Viktoria**; **Kallavus, Urve**; **Krumme, Andres** Polymer testing 2018 / p. 335-343 : ill https://doi.org/10.1016/j.polymertesting.2018.09.003 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Effect of laser heat treatment on 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 lignin on veneer densification and set-recovery
Kilumets, Catherine; **Kallakas, Heikko**; Ralph, Sally; Zhu, J. Y.; Hunt, Christopher Glaab; **Rohumaa, Anti**; **Kers, Jaan** Construction and building materials 2024 / art. 138795 https://doi.org/10.1016/j.conbuildmat.2024.138795 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 Jourrnal 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
Lõhmus, Rünno; **Kallakas, Heikko**; **Tuhkanen, Eero**; Gulik, Volodymyr; Kiisk, Madis; Saal, Kristjan; **Kalamees, Targo** Materials 2021 / art. 4701, 9 p. : ill https://doi.org/10.3390/ma14164701 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Effect of process parameters on the properties of 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 protein surface hydrophobicity and surface amines on soy adhesive strength
Kallakas, Heikko; Plaza, Nayomi; Crooks, Casey; Turner, Derek; Gargulak, Mathew; Arvanitis, Matthew A.; Frihart, Charles R.; Hunt, Christopher G. Polymers 2024 / art. 202 https://doi.org/10.3390/polym16020202 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Effect of pulsed deuterium plasma irradiation on dual-phase tungsten high-entropy alloys
Tõkke, 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, Floran; Aydin, Ugur; Sundaria, Ravi; Rasilo, Paavo; **Belahcen, Anouar**; Arkkio, Antero IEEE Transactions on Magnetics 2018 / art. 8102004 https://doi.org/10.1109/TMAG.2017.2768399 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Effect of scanning strategy on microstructure and texture evolution in a selective laser melted Al-33Cu eutectic alloy
Vikram, R. J.; Gokulnath, S. A.; **Prashanth, Konda Gokuldoss**; Suwas, Satyam Journal of alloys and compounds 2023 / art. 168098, 10 p. : ill https://doi.org/10.1016/j.jallcom.2022.168098 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Effect of selective laser melting process parameters on microstructural and mechanical properties of TiC–NiCr cermet
Aramian, Atefeh; Sadeghian, Zohreh; Razavi, Seyed Mohammad J.; **Prashanth, Konda Gokuldoss**; Berto, Filippo Ceramics international 2020 / p. 28749-28757 https://doi.org/10.1016/j.ceramint.2020.08.037 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Effect of sintering method on surface fatigue of carbide composites
Petrov, 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 composition on anatase to rutile transformation of sprayed TiO2 thin films
Juma, Albert Owino; **Oja Acik, Ilona**; **Mikli, Valdek**; **Mere, Arvo**; **Krunks, Malle** Thin solid films 2015 / p. 287-292 : ill https://doi.org/10.1016/j.tsf.2015.03.036 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Effect of solution spray rate on the properties of chemically sprayed ZnO:In thin films
Kriisa, Merike; **Krunks, Malle**; **Kärber, Erki**; **Kukk, Mart**; **Mikli, Valdek**; **Mere, Arvo** Journal of nanomaterials 2013 / p. 1-9 : ill https://doi.org/10.1155/2013/423632 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Effect of substrate plate heating on the microstructure and properties of selective laser melted Al-20Si-5Fe-3Cu-1Mg alloy
Ma, Pan; Ji, Pengcheng; Jia, Yandong; Shi, Xuerong; Yu, Zhishui; **Prashanth, Konda Gokuldoss** Materials 2021 / art. 330 https://doi.org/10.3390/ma14020330 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

The effect of surface properties on bond strength of birch, black alder, grey alder and aspen veneers
Rohumaa, Anti; **Kallakas, Heikko**; **Mäetalu, Marja**; **Savest, Natalja**; **Kers, Jaan** International Journal of Adhesion and Adhesives 2021 / art. 102945 https://doi.org/10.1016/j.ijadhadh.2021.102945 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

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

The effect of temperature and sliding speed on friction and wear of Si3N4, Al2O3, and ZrO2 balls tested against AlCrN PVD coating
Antonov, Maksim; **Afshari, Hossein**; **Baroninš, Janis**; **Adoberg, Eron**; **Raadik, Taavi**; **Hussainova, Irina** Tribology international 2018 / p. 500-514 : ill https://doi.org/10.1016/j.triboint.2017.05.035 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Effect of temperature on sliding and erosive wear of fiber reinforced polyimide hybrids
Zhao, Gai; **Hussainova, Irina**; **Antonov, Maksim**; Wang, Qihua; Wang, Tingmei; **Yung, Der-Liang** Tribology international 2015 / p. 525-533 : ill https://doi.org/10.1016/j.triboint.2014.01.019 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Effect of thermal spraying method on the microstructure and wear behaviour of FeNiCrBSiC-CrB2 coating
Umanskyi, O.; Storozhenko, M.; **Antonov, Maksim**; Terentyev, O.; Koval, O.; **Goljandin, Dmitri** Modern Materials and Manufacturing 2019 : 12th International DAAAM Baltic Conference and 27th International Baltic Conference BALTMATTRIB 2019. Selected, peer reviewed papers from the conference Modern Materials and Manufacturing 2019 (MMM 2019), April 24-26, 2019, Tallinn, Estonia 2019 / p. 37-42 : ill https://www.ester.ee/record=b5235278*est https://www.scientific.net/KEM.799.37 https://doi.org/10.4028/www.scientific.net/KEM.799.37 Conference proceeding at Scopus Article at Scopus

Effect of TiB2 addition on the mechanical and biological response of spark plasma sintered Ti6Al7Nb matrix composites
Singh, Neera; Ummethala, Raghunandan; Surreddi, Kumar Babu; Jayaraj, Jayamani; **Sokkalingam, Rathinavelu**; Rajput, Monika; Chatterjee, Kaushik; **Prashanth, Konda Gokuldoss** Journal of alloys and compounds 2022 / art. 166502 https://doi.org/10.1016/j.jallcom.2022.166502 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Effect of TiB2 additives on wear behavior of NiCrBSi-based plasma-sprayed coatings
Umanskyi, Oleksandr; Storozhenko, Maryna; **Hussainova, Irina**; Terentjev, Oleksandr; Kovalchenko, Andrey; **Antonov, Maksim** Materials science = Medžiagotyra 2016 / p. 15-19 : ill https://doi.org/10.5755/j01.ms.22.1.7307 Conference Proceedings at Scopus Article at Scopus Conference Proceedings at WOS Article at WOS

Effect of TiB2 particles on microstructure and crystallographic texture of Al-12Si fabricated by selective laser melting
Xi, L.; Wang, P.; **Prashanth, Konda Gokuldoss**; Li, H. Journal of alloys and compounds 2019 / p. 551-556 : ill https://doi.org/10.1016/j.jallcom.2019.01.327 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

The effect of tin doping on the band structure and optical properties of polycrystalline antimony selenide
Uslu, Mehmet Ender; **Danilson, Mati**; **Timmo, Kristi**; **Grossberg-Kuusk, Maarja** Physica B : condensed matter 2024 / art. 415744 https://doi.org/10.1016/j.physb.2024.415744 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Effect of WC grain size and content on erosive wear of manual arc welded hardfacings with low-carbon ferritic-pearlitic steel or stainless steel matrix
Katinas, Egidijus; **Antonov, Maksim**; Jankauskas, Vytenis; Skirkus, Remigijus Engineering materials and tribology : selected, peer reviewed papers from the 24th International Baltic Conference on Engineering Materials & Tribology (BALTMATTRIB & IFHTSE 2015), November 5-6, 2015, Tallinn, Estonia 2016 / p. 213-218 : ill https://doi.org/10.4028/www.scientific.net/KEM.674.213 Conference Proceedings at Scopus Article at Scopus

Effect of WC grain size and content on low stress abrasive wear of manual arc welded hardfacings with low-carbon or stainless steel matrix
Jankauskas, Vytenis; **Antonov, Maksim**; Varnauskas, Valentinas; Skirkus, Remigijus; **Goljandin, Dmitri** Wear 2015 / p. 378-390 : ill https://doi.org/10.1016/j.wear.2015.02.063 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Effect of wear debris entrapment on the tribological performance of AlCoCrFeNi produced by selective laser melting or spark plasma sintering
Karimi, Javad; **Antonov, Maksim**; **Prashanth, Konda Gokuldoss** Metallurgical and materials transactions A : Physical metallurgy and materials science 2022 / p. 4004-4010 https://doi.org/10.1007/s11661-022-06805-z Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Effective cross-sectional method for timber frame assemblies - definition of coefficients and zero‐strength layers
Tiso, Mattia; **Just, Alar**; Schmid, Joachim; Klippel, Michael Fire and materials 2018 / p. 897-913 : ill https://doi.org/10.1002/fam.2645 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Effective electrical conductivity of carbon nanotube–epoxy nanocomposites
Kulakov, Vladimir; Aniskevich, Andrey; Ivanov, Sergey; **Poltimäe, Triinu**; Starkova, Olesja Journal of composite materials 2017 / p. 2979-2988 : ill https://doi.org/10.1177/0021998316678304 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Effects of Ar+ 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 andphotoluminescence 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; Lehikoinen, 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

The effects of timber species and adhesive type on the behavior of finger joints in tension under fire conditions
Sciomenta, Martina; **Vihmann, Jane Liise**; **Tuhkanen, Eero**; **Just, Alar**; Fragiacomo, Massimo Construction and building materials 2024 / art. 138080 https://doi.org/10.1016/j.conbuildmat.2024.138080 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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 defect-driven cation exchange beyond the nanoscale semiconductors toward antibacterial functionalization
Polivtseva, Svetlana; **Volobujeva, Olga**; **Kuznietsov, Ivan**; **Kaupmees, Reelika**; **Danilson, Mati**; **Krustok, Jüri**; Molaiyan, Palanivel; Hu, Tao; Lassi, Ulla; **Klopov, Mihhail**; van Gog, Heleen; van Huis, Marijn A.; Kaur, Harleen; Ivask, Angela; Rosenberg, Merilin; Gathergood, Nicholas; Ni, Chaoying; **Grossberg-Kuusk, Maarja** ACS applied materials & interfaces 2024 / p. 62871-62882 https://doi.org/10.1021/acsami.4c11425 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Efficient fixed-switching modulated finite control set-model predictive control based on artificial neural networks
Bakeer, Abualkasim Ahmed Ali; Alhasheem, Mohammed; Peyghami, Saeed Applied Sciences (Switzerland) 2022 / art. 3134 https://doi.org/10.3390/app12063134 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Efficient lignin fractionation from Scots pine (Pinus sylvestris) using ammonium-based protic ionic liquid : process optimization and characterization of recovered lignin
Khan, Sharib; Rauber, Daniel; Shanmugam, Sabarathinam; Kay, Christopher W. M.; **Konist, Alar**; Kikas, Timo Polymers 2022 / art. 4637, 13 p. : ill https://doi.org/10.3390/polym14214637 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Efficient method of finding scaling exponents from finite-size Monte-Carlo simulations
Mandre, Indrek; **Kalda, Jaan** The European physical journal B 2013 / p. 1-6 : ill https://doi.org/10.1140/epjb/e2012-30954-7 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

EFIC-ME : a fast emulation based fault injection control and monitoring enhancement
Abideen, Zain Ul; **Rashid, Muhammad Haroon** IEEE Access 2020 / p. 207705-207716 https://doi.org/10.1109/ACCESS.2020.3038198 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Elastic models of defects in two-dimensional crystals
Kolesnikova, Anna; Orlova, T. S.; **Hussainova, Irina**; Romanov, Alexey Physics of the solid state 2014 / p. 2573-2579 : ill https://doi.org/10.1134/S1063783414120166 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Elastic wave Talbot effect in solids with inclusions
Berezovski, Arkadi; Tang, Wen-Xin; Wan, Weishi Mechanics research communications 2014 / p. 21-26 : ill https://doi.org/10.1016/j.mechrescom.2014.05.004 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Electric properties of anorthite ceramics prepared from illitic clay and oil shale ash
Csaki, Štefan; Štubna, Igor; **Kaljuvee, Tiit**; Dobron, Patrik; Lukač, František; Trnik, Anton Journal of materials research and technology 2022 / p. 4164-4173 https://doi.org/10.1016/j.jmrt.2022.11.030 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Electrical characterization of all-layers-sprayed solar cell based on ZnO nanorods and extremely thin CIS absorber
Kärber, Erki; **Katerski, Atanas**; **Krunks, Malle** Solar energy 2013 / p. 48-58 : ill https://doi.org/10.1016/j.solener.2013.01.020 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Electrical characterization of annealed chemical-bath-deposited CdS films and their application in superstrate configuration CdTe/CdS solar cells
Graf, Aleksandr; **Maticiuc, Natalia**; **Spalatu, Nicolae**; **Mikli, Valdek**; **Mere, Arvo**; **Gavrilov, Aleksei**; **Hiie, Jaan** Thin solid films 2015 / p. 351-355 : ill https://doi.org/10.1016/j.tsf.2014.11.003 Conference Proceedings at Scopus Article at Scopus Conference Proceedings at WOS Article at WOS

Electrical conductivity and mechanical properties of Cu-0.7wt% Cr and Cu-1.0wt% Cr alloys processed by severe plastic deformation
Kommel, Lembit; **Pokatilov, Andrei** IOP conference series : materials science and engineering 2014 / p. 1-7 : ill https://doi.org/10.1088/1757-899X/63/1/012169 Conference proceedings at Scopus Article at Scopus Article at WOS

Electrocatalysts for oxygen reduction reaction based on electrospun polyacrylonitrile, styrene–acrylonitrile copolymer and carbon nanotube composite fibres
Mooste, Marek; Kibena-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; **Sõritski, 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; **Borozniak, Roman**; **Reut, Jekaterina**; **Tuvikene, Jürgen**; **Timmusk, Tõnis**; **Sõritski, Vitali** Sensors and Actuators B: Chemical 2023 / art. 134656 https://doi.org/10.1016/j.snb.2023.134656 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Electrochemical synthesis of CdSe/CdTe nanowires for hybrid photovoltaic structures
Gurevitš, Jelena; **Bereznev, Sergei**; **Mikli, Valdek**; **Naidu, Revathi**; **Mellikov, Enn**; **Kois, Julia** Materials Research Society symposium proceedings 2014 / [6] p. : ill https://doi.org/10.1557/opl.2014.576 Conference proceedings at Scopus Article at Scopus

Electrochemically synthesised CdSe nanofibers and pearl-chain nanostructures for photovoltaic applications
Kois, Julia; **Bereznev, Sergei**; **Gurevitš, 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; Nasirpouri, 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
Gromõko, 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; Abraitiene, 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

Electrospinning polyvinyl alcohol reinforced with chitin: The effect of the degree of acetylation
Krumme, Andres; Mendez, James D. Polymers 2024 / art. 1955 https://doi.org/10.3390/polym16141955 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

Embedded blur-free single-image acquisition pipeline for droplet microfluidic imaging flow cytometry (IFC)
Afrin, Fariha; **Pärnamets, Kaiser**; **Le Moullec, Yannick**; **Udal, Andres**; **Koel, Ants**; **Pardy, Tamas**; **Rang, Toomas** IEEE Access

2024 / p. 92431-92441 https://doi.org/10.1109/ACCESS.2024.3421637 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

Empirical evaluation of NB-IoT and CAT-M coverage for underground water system
Roosipuu, Priit; **Annus, Ivar**; **Kuusik, Alar**; **Kändler, Nils**; **Alam, Muhammad Mahtab**; **Müürsepp, Ivo** IEEE Access 2024 / p. 187290-187301 https://doi.org/10.1109/ACCESS.2024.3478733 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Employment of dopant-free fluorene-based enamines as innovative hole transport materials to boost the transparency and performance of Sb2S3 based solar cells
Juneja, Nimish; Daskeviciute-Geguziene, Sarune; **Spalatu, Nicolae**; **Mandati, Sreekanth**; **Katerski, Atanas**; Grzibovskis, Raitis; Vembris, Aivars; Karazhanov, Smagul; Getautis, Vytautas; **Krunks, Malle**; **Oja Acik, Ilona** Materials science in semiconductor processing 2024 / art. 107934 https://doi.org/10.1016/j.mssp.2023.107934 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Energy efficiency and latency optimization for IoT URLLC and mMTC use cases
Elgarhy, Osama Mohamed Mostafa; Reggiani, Luca; **Alam, Muhammad Mahtab**; Zoha, Ahmed; Ahmad, Rizwan; **Kuusik, Alar** IEEE Access / p. 23132-23148 https://doi.org/10.1109/ACCESS.2024.3364349 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article 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 grain orientation in Sb2Se3 thin films deposited on Mo/BSG substrates via RF-sputtering and selenization
Uslu, Mehmet Ender; **Muska, Katri**; **Pilvet, Maris**; **Bereznev, Sergei**; **Mikli, Valdek**; **Kauk-Kuusik, Marit**; **Grossberg-Kuusk, Maarja** Materials science in semiconductor processing 2024 / art. 108835 https://doi.org/10.1016/j.mssp.2024.108835 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
Tihtih, 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.; Szilagyi, 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 global model performance in federated learning with non-IID data using a data-free generative diffusion model
Najafi, Mohammadreza; **Daneshtalab, Masoud**; **Lee, Jeong-A**; **Saadloonia, Ghazal**; **Shin, Seokjoo** IEEE Access 2024 / p. 148230-148239 : ill https://doi.org/10.1109/ACCESS.2024.3474056 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

Enhancing privacy risk modeling in practice: a case study of an e-justice system
Gakh, Valerii; Bahsi, Hayretdin; Hoffmann, Thomas; Boyarchuk, Artem; Khramov, Oleksii IEEE Access 2024 / p. 183851-183874 https://doi.org/10.1109/ACCESS.2024.3509332 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Enhancing the bending strength, load-carrying capacity and material efficiency of aspen and black alder plywood through thermo-mechanical densification of face veneers
Akkurt, Tolgay; **Rohumaa, Anti**; **Kallakas, Heikko**; Scharf, Alexander; **Kers, Jaan** Construction and building materials 2024 / art. 138555 https://doi.org/10.1016/j.conbuildmat.2024.138555 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Enhancing the tensile properties of laser repairing Ti-6Al-4V alloys: Optimization of strain distribution based on composition fine-turning
Zhang, H.; Wang, G.; Yang, S.; Wang, N.; **Prashanth, Konda Gokuldoss**; Ye, Z.; Zhao, K.; Zhang, F.; Tan, H. Journal of Materials Science & Technology 2024 / p. 1-11 https://doi.org/10.1016/j.jmst.2024.02.065 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

Evaluating the microstructural formation in Mo added Ti6Al4V alloy fabricated by direct energy deposition using a laser-stop strategy
Ye, Z.; Yu, Z.; Gao, P.; **Prashanth, Konda Gokuldoss**; Zhang, F.; Zhao, K.; Tan, H. Additive Manufacturing 2024 / art. 104226 https://doi.org/10.1016/j.addma.2024.104226 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**; **Kurissoo, 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**; **Kurissoo, Liisa**; **Peetsalu, Priidu**; **Lind, Liina** Engineering materials and tribology XXV 2017 / p. 404-408 https://doi.org/10.4028/www.scientific.net/KEM.721.404 Conference proceedings at Scopus Article at Scopus

Evaluation of zero-strength layer depths for timber members of floor assemblies with heat resistant cavity insulations
Tiso, Mattia; **Just, Alar**; Schmid, Joachim; **Mäger, Katrin Nele**; Klippel, Michael Fire safety journal 2019 / p. 137-148 : ill https://doi.org/10.1016/j.firesaf.2019.01.001 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Evaluation of wear rate of nanocrystalline diamond films esing Abbott curve
Bogatov, Andrei; **Podgurski, Vitali** Materials Engineering 2017 : selected, peer reviewed papers from the 26th International Baltic Conference on Materials Engineering 2017, October 26-27, Kaunas, Lithuania 2017 / p. 185-189 : ill https://doi.org/10.4028/www.scientific.net/SSP.267.185 Conference proceedings at Scopus Article at Scopus

Evolution of Dirac cone in disclinated graphene
Rozhkov, M. A.; Kolesnikova, A. L.; **Hussainova, Irina** Reviews on advanced materials science 2018 / p. 137-142 : ill https://doi.org/10.1515/rams-2018-0057 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Evolution of microstructure and hardness in aluminum processed by high pressure torsion extrusion
Omranpour Shahreza, Babak; Ivanisenko, Yulia; Kulagin, Roman; **Kommel, Lembit**; Sanchez, E. Garcia; Nugmanov, Dayan; Scherer, Torsten; Heczel, Anita; Gubicza, Jeno 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; **Kõrgesaar, Mihkel**; Lehto, Pauli; Berntsson, Kennie; Remes, Heikki Procedia Structural Integrity, Vol. 37, C 2021 / p. 17-24 : ill https://doi.org/10.1016/j.prostr.2022.01.055 Conference proceedings at Scopus Article at Scopus Article at WOS

Experimental measurements and numerical modelling of additively manufactured Fe-Si cores
Stella, Marco; Faba, Antonio; Fulginei, F. Riganti; Quercio, Michele; Scorretti, Riccardo; Bertolini, Vittorio; Sabino, Luis Gustavo; **Tiismus, Hans**; **Kallaste, Ants**; Cardelli, Ermanno Journal of magnetism and magnetic materials 2024 / art. 171752 https://doi.org/10.1016/j.jmmm.2024.171752 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Experimental mechanics analysis of recycled polypropylene-cotton composites for commercial applications
Hussain, Abrar; **Goljandin, Dmitri**; **Podgurski, Vitali**; Abbas, Muhammad Mujtaba; **Krasnou, Illia** Advanced industrial and engineering polymer research 2023 / p. 226-238 : ill https://doi.org/10.1016/j.aiepr.2022.11.001 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Experimental observation of crack formation on surface of charring timber
Rinta-Paavola, Aleksi; **Ferrantelli, Andrea**; Hostikka, Simo Fire safety journal 2024 / art. 104231 https://doi.org/10.1016/j.firesaf.2024.104231 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 Kani, Seyed 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 (BALTMATTRIB & 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

Fabrication of novel SiOxNy/SWCNT laminate-type composite protective coating using low-temperature approach
Shmagina, Elizaveta; **Volobujeva, Olga**; **Nasibulin, Albert**; **Bereznev, Sergei** Ceramics international 2024 / p. 34312-34320 https://doi.org/10.1016/j.ceramint.2024.06.250 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

Fe-Ni binder modified NbC cermets: A cost-effective solution with superior mechanical properties
Basit, Muhammad Abdul; **Anwar, Furqan**; Ali, Sadaqat; Umer, Malik Adeel; Shahbaz, Tauheed; Ud Din, Emad; Mubashar, Aamir Ceramics international 2024 / p. 47768-47779 : ill https://doi.org/10.1016/j.ceramint.2024.09.121 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

Fiber-reinforced plywood: Increased performance with less raw material
Saal, Kristjan; **Kallakas, Heikko**; **Tuhkanen, Eero**; **Just, Alar**; **Rohumaa, Anti**; **Kers, Jaan**; **Kalamees, Targo**; **Lõhmus, Rünno** Materials 2024 / art. 3218 https://doi.org/10.3390/ma17133218 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Fibrillation of aspen by alkaline cold pre-treatment and vibration milling
Kärner, Kärt; **Elomaa, Matti Antero**; **Kallavus, Urve** Materials science = Medžiagotyra 2016 / p. 358-363 : ill
https://doi.org/10.5755/j01.ms.22.3.7412 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Fibrous alumina-based Ni-CeO2 catalyst : synthesis, structure and properties in propane pre-reforming
Potemkin, D. I.; **Aghayan, Marina**; **Kamboj, Nikhil Kumar**; **Hussainova, Irina** Materials letters 2018 / p. 35-37 : ill
https://doi.org/10.1016/j.matlet.2017.12.039 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Fibrous alumina-based Ni-MOx (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

A finite element method for determining the mechanical properties of electrospun nanofibrous mats
Sanchaniya, Jaymin Vrajlal; Lasenko, Inga; Gobins, Valters; Kobeissi, Alaa; **Goljandin, Dmitri** Polymers 2024 / art. 852
https://doi.org/10.3390/polym16060852 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
Fahrni, 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
Ahmadiahangar, Roya; **Rosin, Argo**; **Palu, Ivo**; Azizi, Aydin Demand-side flexibility in smart grid 2020 / p. 39-49
https://doi.org/10.1007/978-981-15-4627-3_4 Journal metrics at Scopus Article at Scopus

A formal specification smart-contract language for legally binding decentralized autonomous organizations
Dwivedi, Vimal Kumar; **Norta, Alexander**; Wulf, Alexander; Leiding, Benjamin; Saxena, Sandeep; **Udokwu, Chibuzor** IEEE Access 2021 / p. 76069−76082 : ill https://doi.org/10.1109/ACCESS.2021.3081926 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Formation and characterization of stable TiO2/CuxO-based solar cells
Wisz, Grzegorz; Sawicka-Chudy, Paulina; **Sibinski, Maciej**; Yavorskyi, Rostyslav; Łabuz, Mirosław; Płoch, Dariusz; Bester, Mariusz Materials 2023 / art. 5683, 15 p. : ill https://doi.org/10.3390/ma16165683 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Formation and trapping of the thermodynamically unfavoured inverted-hemicucurbit[6]uril
Prigorchenko, Elena; **Kaabel, Sandra**; **Narva, Triin**; **Baškir, Anastassia**; **Fomitšenko, Maria**; Adamson, Jasper; **Järving, Ivar**; Rissanen, Kari; **Tamm, Toomas**; **Aav, Riina** Chemical communications 2019 / p. 9307−9310 : ill https://doi.org/10.1039/C9CC04990H Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Formation of Cu2ZnSnS4 absorber layers for solar cells by electrodeposition-annealing route
Iljina, Julia; **Zhang, R.**; **Ganchev, Maxim**; **Raadik, Taavi**; **Volobujeva, Olga**; **Altosaar, Mare**; **Traksmaa, Rainer**; **Mellikov, Enn** Thin Solid Films 2013 / p. 85 - 89 https://doi.org/10.1016/j.tsf.2013.04.038 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Formation of fine 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

Formation of property gradient in coarse-grained niobium using a wedge tool : experiment and analysis
Tarasov, Oleksandr; **Kübarsepp, Jakob**; **Viljus, Mart**; **Saarna, Mart**; **Sergejev, Fjodor** International journal of refractory metals and hard materials 2024 / art. 106905 https://doi.org/10.1016/j.ijrmhm.2024.106905 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Formation of uniform PVDF fibers under ultrasound exposure in presence of anionic surfactant
Tarasova, Elvira; **Tamberg, K.-G.**; **Viirsalu, Mihkel**; **Savest, Natalja**; **Gudkova, Viktoria**; **Krasnou, Illia**; **Krumme, Andres** Journal of electrostatics 2015 / p. 39-47 : ill https://doi.org/10.1016/j.elstat.2015.05.004 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Formulation and aerosol jet printing of nickel nanoparticle ink for high-temperature microelectronic applications and patterned graphene growth
McKibben, Nicholas; Curtis, Michael; Maryon, Olivia; Sawyer, Mone't; **Lazouskaya, Maryna**; Eixenberger, Josh; Deng, Zhangxian; Estrada, David ACS Applied Electronic Materials 2024 / p. 748 - 760 https://doi.org/10.1021/acsaelm.3c01175 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-Al_2O_3 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 (BALTMATTRIB & 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/acsami.1c02899 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Fused hybrid linkers for metal–organic framework-derived bifunctional oxygen electrocatalysts
Ping, Kefeng; Braschinsky, Alan; **Alam, Mahboob**; **Bhadoria, Rohit**; **Mikli, Valdek**; **Mere, Arvo**; Aruväli, Jaan; Paiste, Päärn; 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

Generation of unmeasured loading levels data for condition monitoring of induction machine using machine learning
Billah, Md Masum; Saberi, Alireza Nemat; Hemeida, Ahmed; Martin, Floran; **Kudelina, Karolina**; **Asad, Bilal**; **Naseer, Muhammad Usman**; Mukherjee, Victor; Belahcen, Anouar IEEE transactions on magnetics 2024 / art. 8201104 https://doi.org/10.1109/TMAG.2023.3312267 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

GeTe2 phase change material for terahertz devices with reconfigurable functionalities using optical activation
Konnikova, Maria R.; Khomenko, Maxim D.; Tverjanovich, Andrey S.; **Bereznev, Sergei**; Mankova, Anna A.; Parashchuk, Olga D.; Vasilevsky, Ivan S.; Ozheredov, Ilya A.; Shkurinov, Alexander P.; Bychkov, Eugene A. ACS applied materials & interfaces 2023 / p. 9638-9648 https://doi.org/10.1021/acsami.2c21678 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Gradient microstructure in tantalum formed under the wear track during dry sliding friction
Kommel, Lembit; **Põdra, Priit**; **Mikli, Valdek**; **Omranpour Shahreza, Babak** Wear 2021 / art. 203573, 7 p. : ill https://doi.org/10.1016/j.wear.2020.203573 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Gradient scattered light method for non-destructive stress profile determination in chemically strengthened glass
Hödemann, Siim; Valdmann, Andreas; **Anton, Johan**; Murata, Takashi Journal of materials science 2016 / p. 5962-5978 : ill https://doi.org/10.1007/s10853-016-9897-4 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Grain refinement in laser manufactured Al-based composites with TiB2 ceramic
Xi, Lixia; Guo, Shuang; Wang, Ruiqi; Ding, Kai; **Prashanth, Konda Gokuldoss** Journal of materials research and technology 2020 / p. 2611−2622 https://doi.org/10.1016/j.jmrt.2020.04.059 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at

WOS

Graphene-augmented nanofiber scaffolds trigger gene expression switching of four cancer cell types
Kazantseva, Jekaterina; **Ivanov, Roman**; Gasik, Michael; Neuman, Toomas; **Hussainova, Irina** ACS biomaterials science & engineering 2018 / p. 1622-1629 : ill https://doi.org/10.1021/acsbiomaterials.8b00228 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Graphene-encapsulated aluminium oxide nanofibers as a novel type of nanofillers for electroconductive ceramics
Ivanov, Roman; **Hussainova, Irina**; **Aghayan, Marina**; **Drozdova, Maria**; Perez-Coll, Domingo; Rodriguez, Miguel Angel; Rubio-Marcos, Fernando Journal of the European Ceramic Society 2015 / p. 4017-4021 : ill https://doi.org/10.1016/j.jeurceramsoc.2015.06.011 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Grid-connected solar PV power plants optimization: a review
Zidane, Tekai Eddine Khalil; Aziz, Ali Saleh; **Zahraoui, Younes**; Kotb, Hossam; Aboras, Kareem M.; Kitmo; Jember, Yosef Berhan IEEE Access 2023 / p. 79588-79608 https://doi.org/10.1109/ACCESS.2023.3299815 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Growth and characterization of Cu2Zn1−xFexSnS4 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 BALTMATTRIB 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 electrical conductivity in undoped ceramic ZnO
Lott, Kalju; **Nirk, Tiit**; Gorokhova, Elena; **Türn, Leo**; **Viljus, Mart**; **Öpik, Andres**; Vishnjakov, A. Crystal research and technology 2015 / p. 10-14 : ill https://doi.org/10.1002/crat.201400138 Conference proceedings at Scopus Article at Scopus Conference proceedings at WOS Article at WOS

High temperature erosion wear of cermet particles reinforced self-fluxing alloy HVOF sprayed coatings
Surženkov, Andrei; **Goljandin, Dmitri**; **Traksmaa, Rainer**; **Viljus, Mart**; **Talviste, Kristofer**; **Aruniit, Aare**; Latokartano, Jyrki; **Kulu, Priit** Medžiagotyra = Materials science 2015 / p. 386-390 : ill https://doi.org/10.5755/j01.ms.21.3.7617 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

High temperature erosion-corrosion of wear protection materials
Varga, Markus; Rojacz, Harald; Widder, Lukas; **Antonov, Maksim** Journal of Bio- and Tribo-Corrosion 2021 / art. 87 https://doi.org/10.1007/s40735-021-00504-9 Journal metrics at Scopus Article at Scopus

High temperature sliding wear of NiAl-based coatings reinforced by borides
Umanskyi, Oleksandr; Poliarus, Olena; Ukrainets Maksym; **Antonov, Maksim**; **Hussainova, Irina** Medziagotyra 2016 / p. 49 - 53 https://doi.org/10.5755/j01.ms.22.1.8093 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

High temperature tribological properties of 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

High-efficiency internal combustion engine used in the unmanned aircraft
Tiimus, Kristjan; Murumäe, Mikk; **Väljaots, Eero**; **Tamre, Mart** Mechatronic systems and materials VI 2015 / p. 928-933 : ill https://doi.org/10.4028/www.scientific.net/SSP.220-221.928 Conference proceedings at Scopus Article at Scopus

High-efficiency partial power converter for integration of second-life battery energy storage systems in DC microgrids
Hassanpour, Naser; **Chub, Andrii**; **Yadav, Neelesh**; **Blinov, Andrei**; **Vinnikov, Dmitri** IEEE Open Journal of the Industrial Electronics Society 2024 / p. 847-860 https://doi.org/10.1109/OJIES.2024.3389466 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
Abdelrahim Abdelghafour, Omar Mohamed; **Chub, Andrii**; **Mashinchi Maheri, Hamed**; **Blinov, Andrei**; **Vinnikov, Dmitri** IEEE Access 2022 / p. 13017-130189 https://doi.org/10.1109/ACCESS.2022.3225751 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

High-speed thermogravimetric analysis of the combustion of wood and Ca-rich fuel
Maaten, Birgit; **Konist, Alar**; **Siirde, Andres** Journal of thermal analysis and calorimetry 2019 / p. 2807–2811 https://doi.org/10.1007/s10973-019-08785-6 Teadlased: puidu osakaalu suurendamine fossiilkütustes on üks lahendus Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

High-strength aluminum alloy of ultrafine grained by consolidation-ECAP
Pramono, Agus; **Kollo, Lauri**; **Kommel, Lembit**; **Veinthal, Renno** IOP conference series : materials science and engineering 2019 / art. 012035, 7 p. : ill https://doi.org/10.1088/1757-899X/478/1/012035 Conference proceedings at Scopus Article at Scopus Article at WOS

High-temperature erosion of Fe-based coatings reinforced with cermet particles
Surženkov, Andrei; **Antonov, Maksim**; **Goljandin, Dmitri**; **Kulu, Priit**; **Viljus, Mart**; **Traksmaa, Rainer**; **Mere, Arvo** Surface engineering 2016 / p. 624-630 : ill https://doi.org/10.1080/02670844.2016.1145377 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

High-temperature oxidation resistance and tribological properties of Al2O3/ta-C coating
Alamgir, Asad; **Bogatov, Andrei**; Jõgiaas, Taivo; **Viljus, Mart**; **Raadik, Taavi**; **Kübarsepp, Jakob**; **Sergejev, Fjodor**; Lümkemann, 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**; Lümkemann, 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; Lümkemann, 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 diffusionIwelded 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 electrodonductive 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 (BALTMATTRIB & 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 (BALTMATTRIB & IFHTSE 2015), November 5-6, 2015, Tallinn, Estonia 2016 / p. 35-40 : ill https://doi.org/10.4028/www.scientific.net/KEM.674.35 Conference Proceedings at Scopus Article at Scopus

Hydroacoustic and pressure turbulence analysis for the assessment of fish presence and behavior upstream of a vertical trash rack at a run-of-river hydropower plant
Schmidt, Marc B.; **Tuhtan, Jeffrey Andrew**; Schletterer, Martin Applied sciences 2018 / art. 1723, 20 p. : ill https://doi.org/10.3390/app8101723 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Hydrogen effects in equiatomic CrFeNiMn alloy fabricated by laser powder bed fusion
Yang, Xuan; Yagodzinskyy, Yuriy; Ge, Yanling; Lu, Eryang; Lehtonen, Joonas; **Kollo, Lauri**; Hannula, Simo-Pekka Metals 2021 / art. 872 https://doi.org/10.3390/met11060872 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Hygrothermal performance of a brick wall with interior insulation in cold climate : vapour open vs vapour tight approach
Klõšeiko, Paul; **Kalamees, Targo** Journal of building physics 2022 / p. 3-35 : ill https://doi.org/10.1177/17442591211056067 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Hygrothermal performance of internally insulated brick wall in cold climate : a case study in a historical school building
Klõšeiko, Paul; **Arumägi, Endrik**; **Kalamees, Targo** Journal of building physics 2015 / p. 444-464 : ill https://doi.org/10.1177/1744259114532609 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Hysteresis current control with distributed shoot-through states for impedance source inverters
Husev, Oleksandr; **Chub, Andrii**; Romero-Cadaval, Enrique; Roncero-Clemente, Carlos; **Vinnikov, Dmitri** International journal of circuit theory and applications 2016 / p. 783-797 : ill https://doi.org/10.1002/cta.2106 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Hysteresis measurements and numerical losses segregation of additively manufactured silicon steel for 3D printing electrical machines
Tiismus, Hans; **Kallaste, Ants**; **Belahcen, Anouar**; **Vaimann, Toomas**; **Rassõlkin, Anton**; Lukichev, Dmitry Applied sciences 2020 / art. 6515, 15 p https://doi.org/10.3390/app10186515 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Identification and location of PD defects in medium voltage underground power cables using high frequency current transformer
Shafiq, Muhammad; **Kiitam, Ivar**; **Taklaja, Paul**; **Kütt, Lauri**; Kauhaniemi, Kimmo; **Palu, Ivo** IEEE Access 2019 / art. 8771171, p. 103608 - 103618 : ill https://doi.org/10.1109/ACCESS.2019.2930704 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Identification of excitons and biexcitons in 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

Identifying and solving a vulnerability in the Estonian internet voting process: subverting ballot integrity without detection
Treier, Tarvo; **Duuna, Kristjan** IEEE Access 2024 / p. 197766-197782 : ill https://doi.org/10.1109/ACCESS.2024.3521337 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Identifying the role of co-aggregation of Alzheimer's amyloid-β with amorphous protein aggregates of non-amyloid proteins
Wu, Jinming; Österlund, Nicklas; Wang, Hongzhi; Sternke-Hoffmann, R.; **Pupart, Hegne**; Ilag, Leopold L.; Gräslund, Astrid; Luo, Jinghui Cell Reports Physical Science 2022 / art. 101028 https://doi.org/10.1016/j.xcrp.2022.101028 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Impact of 1-butyl-3-methylimidazolium chloride on the electrospinning of cellulose acetate nanofibers
Javed, Kashif; **Krumme, Andres**; **Krasnou, Illia**; **Mikli, Valdek**; **Viirsalu, Mihkel**; **Plamus, Tiia**; **Vassiljeva, Viktoria**; **Tarasova, Elvira**; **Savest, Natalja**; Mendez, James D. Journal of macromolecular science, part A : pure and applied chemistry 2018 / p. 142-147 : ill https://doi.org/10.1080/10601325.2017.1387861 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Impact of alkali and silane treatment on hemp/PLA composites' performance : from micro to macro scale
Alao, Percy Festus; Marrot, Laetitia; Burnard, Michael David; Lavrič, Gregor; **Saarna, Mart**; **Kers, Jaan** Polymers 2021 / art. 851, 18 p. : ill https://doi.org/10.3390/polym13060851 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Impact of CdS annealing atmosphere on the performance of CdS-CdTe solar cell
Maticiuc, Natalia; **Spalatu, Nicolae**; **Mikli, Valdek**; **Hiie, Jaan** Applied surface science 2015 / p. 14-18 : ill https://doi.org/10.1016/j.apsusc.2015.01.172 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Impact of Cu2ZnSn(SexS1-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**; Rodríguez, M. A. Cerâmica 2023 / p. 17-22 https://doi.org/10.1590/0366-69132023693893379 Journal metrics at Scopus Article at Scopus

Impact of Li and K co-doping on the optoelectronic properties of CZTS monograin powder
Muska, Katri; **Timmo, Kristi**; **Pilvet, Maris**; **Kaupmees, Reelika**; **Raadik, Taavi**; **Mikli, Valdek**; **Grossberg-Kuusk, Maarja**; **Krustok, Jüri**; **Josepson, Raavo**; Lange, Sven; **Kauk-Kuusik, Marit** Solar energy materials and solar cells 2023 / art. 112182 : ill https://doi.org/10.1016/j.solmat.2023.112182 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

The impact of microstructural refinement on the tribological behavior of niobium processed by Indirect Extrusion Angular

Pressing
Omranpour Shahreza, Babak; Hernandez-Rodriguez, Marco A. L.; Hernandez-Rodriguez, Edgar; **Kommel, Lembit**; **Sergejev, Fjodor** Tribology international 2022 / art. 107412 https://doi.org/10.1016/j.triboint.2021.107412 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Impact of pulsed deuterium plasma irradiation on dual-phase tungsten alloys
Tõkke, 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 Journalmetrics 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 situ production of low-modulus Ti-Nb alloys by selective laser melting and their functional assessment toward orthopedic applications
Singh, Neera; Srikanth, K. P.; Gopal, Vasanth; Rajput, Monika; Manivasagam, Geetha; **Prashanth, Konda Gokuldoss** Journal of Materials Chemistry B 2024 / p. 5982-5993 : ill https://doi.org/10.1039/D4TB00379A Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

In vitro corrosion behavior of selective laser melted Ti-35Nb-7Zr-5Ta
Ummethala, Raghunandan; Jayaraj, Jayamani; Karamched, Phani S.; Rathinavelu, Sokkalingam; Singh, Neera; Surreddi, Kumar Babu; **Prashanth, Konda Gokuldoss** Journal of Materials Engineering and Performance 2021 / p. 7967-7978 https://doi.org/10.1007/s11665-021-05940-9 Journal metric at Scopus Article at Scopus Journal metrics at WOS Article at WOS

In vivo assessment of a triple periodic minimal surface based biomimmetic gyroid as an implant material in a rabbit tibia model
Khan, Pearlin Amaan; Raheem, Ansheed A.; Kalirajan, Cheirmadurai; **Prashanth, Konda Gokuldoss**; Manivasagam, Geetha ACS Materials Au 2024 / p. 479-488 : ill https://doi.org/10.1021/acsmaterialsau.4c00016 Journal metrics 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; **Nõmm, 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

Industrial sustainable fabrication, SEM characterization, mechanical testing, ANOVA analysis of PP-PETF recycled composites : artificial intelligence and deep learning studies for nuclear shielding applications
Hussain, Abrar; **Goljandin, Dmitri**; **Podgurski, Vitali**; **Yörük, Can Rüstü**; **Sergejev, Fjodor**; **Kübarsepp, Jakob**; **Maurya, Himanshu Singh**; Rahmani Ahranjani, Ramin European polymer journal 2024 / art. 113082 https://doi.org/10.1016/j.eurpolymj.2024.113082 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 Deficiency and Ca Concentration on the Electrical and Crystallographic Properties of (Nd0.2Sr0.7-xCax)yTi0.95Fe0.05O3−δ-Based Fuel Electrode for Solid Oxide Cells
Paydar, Sara; Kooser, Kuno; **Volobujeva, Olga**; Granroth, Sari; Nurk, Gunnar ACS Applied Energy Materials 2024 / p. 5745 - 5754 https://doi.org/10.1021/acsaem.4c00824 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Influence of A-site modifications on the properties of La0.21Sr0.74−xCaxTi0.95Fe0.05O3−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**; **Järvpõld, M.** IOP conference series : materials science and engineering 2017 / art. 012072, 7 p. : ill https://doi.org/10.1088/1757-899X/251/1/012072 Journal metrics at Scopus Article at Scopus Article at WOS

Influence of cellulose stearate (CS) content on thermal and rheological properties of poly(lactic acid)/CS composites
Šumigin, Dmitri; **Tarasova, Elvira**; **Krumme, Andres**; **Viikna, Anti** Baltic Polymer Symposium 2013 / p. 99-104 https://doi.org/10.4028/www.scientific.net/KEM.559.99 Conference Proceedings at Scopus Article at Scopus Conference Proceedings at WOS Article at WOS

Influence of Cr, Ti and Zr oxides formation on high temperature sliding of NiAl-based plasma spray coatings
Poliarus, Olena; Umanskyi, Oleksandr; Ukrainets, Maksym; Kostenko, Oleksii; **Antonov, Maksim**; **Hussainova, Irina** Engineering materials and tribology : selected, peer reviewed papers from the 24th International Baltic Conference on Engineering Materials & Tribology (BALTMATTRIB & 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 internal pressure on hollow section steel members in fire
Kervalishvili, Andrei; **Talvik, Ivar** Applied sciences 2023 / art. 149 https://doi.org/10.3390/app14010149 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Influence of laser hardening to the sliding wear resistance of the PVD (Al,Ti)N-G and nACo® coatings
Surženkov, Andrei; **Adoberg, Eron**; **Antonov, Maksim**; **Sergejev, Fjodor**; **Mikli, Valdek**; **Viljus, Mart**; Latokartano, Jyrki; **Kulu, Priit** Engineering materials & tribology XXII 2014 / p. 28-31 https://doi.org/10.4028/www.scientific.net/KEM.604.28 Conference proceedings at Scopus Article at Scopus Conference proceedings at WOS Article at WOS

Influence of magnetic forces and magnetostriction on the vibration behavior of an induction motor
Sathyan, Sabin; Aydin, Ugur; 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 preparation process on morphology and conductivity of carbon black-based electrospun nanofibers
Tarasova, Elvira; **Byzova, Arina**; **Savest, Natalja**; **Viirsalu, Mihkel**; **Gudkova, Viktoria**; **Märtson, Triin**; **Krumme, Andres** Fullerenes, nanotubes and carbon nanostructures 2015 / p. 695-700 : ill https://doi.org/10.1080/1536383X.2014.974090 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Influence of protic ionic liquid-based flame retardant on the flammability and water sorption of alkalized hemp fiber-reinforced PLA composites
Alao, Percy Festus; **Press, Raimond**; Ruponen, Jussi; **Mikli, Valdek**; **Kers, Jaan** Polymers 2023 / art. 3661 https://doi.org/10.3390/polym15183661 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Influence of severe straining and strain rate on the evolution of dislocation structures during micro-/nanoindentation in high entropy lamellar eutectics
Maity, Tapabrata; **Prashanth, Konda Gokuldoss**; Balci, Özge International journal of plasticity 2018 / p. 121-136 : ill https://doi.org/10.1016/j.ijplas.2018.05.012 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Influence of slot wedge material on permanent magnet losses in a traction motor with tooth coil windings
Lindh, Pia; **Vaimann, Toomas**; **Kallaste, Ants**; Pyrhönen, Juha; **Vinnikov, Dmitri**; Naumanen, Ville International journal of applied electromagnetics and mechanics 2013 / p. 227-236 : ill https://doi.org/10.3233/JAE-131659 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Influence of solution composition on sprayed ZnO nanorods properties and formation process: Thermoanalytical study of the precursors
Dedova, Tatjana; **Oja Acik, Ilona**; **Polivtseva, Svetlana**; **Krunks, Malle**; **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 strong carbide-forming elements (Nb and Ta) on the development of the green (Ti, Me)(C,N)-high chromium Fe-based cermets
Maurya, Himanshu Singh; **Juhani, Kristjan**; **Tarraste, Marek**; **Viljus, Mart**; **Kumar, Rahul, 1993-**; **Hussain, Abrar**; **Sergejev, Fjodor**; **Kübarsepp, Jakob** Vacuum 2024 / art. 113723, 12 p https://doi.org/10.1016/j.vacuum.2024.113723 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, Iyamperumal Anand; Dehgahi, Shirin; Paul, Christ Prakash; **Prashanth, Konda Gokuldoss**; Jawad Qureshi, Ahmed Jawad Journal of Alloys and Compounds 2023 / art. 171447, 10 p. https://doi.org/10.1016/j.jallcom.2023.171447 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Influence of the post-granulation treatment on the thermal behaviour and leachability characteristics of Estonian oil shale ashes
Kaljuvee, Tiit; **Jefimova, Jekaterina**; Loide, Valli; **Uibu, Mai**; **Einard, Marve** Journal of thermal analysis and calorimetry 2018 / p. 47–57 : ill https://doi.org/10.1007/s10973-017-6875-2 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

The influence of thermal dilution on the microstructure evolution of some combustion-synthesized refractory ceramic composites
Aydinyan, Sofiya; Kharatyan, Suren; **Hussainova, Irina** Crystals 2022 / art. 59 https://doi.org/10.3390/cryst12010059 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Influence of waste products from electricity and cement industries on the thermal behaviour of Estonian clay from Kunda deposit
Kaljuvee, Tiit; Štubna, Igor; Hulan, Tomaš; Csaki, Štefan; **Uibu, Mai**; **Jefimova, Jekaterina** Journal of thermal analysis and calorimetry 2019 / p. 2635–2650 : ill https://doi.org/10.1007/s10973-019-08319-0 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

An Initial report on the effect of the fiber orientation on the fracture behavior of steel fiber reinforced self-compacting concrete
Herrmann, Heiko; **Braunbrück, Andres**; **Tuisk, Tanel**; **Goidyk, Oksana**; **Naar, Hendrik** Short fibre reinforced cementitious composites and ceramics 2019 / p. 33-50 https://doi.org/10.1007/978-3-030-00868-0_3 Article collection metrics at Scopus Article at Scopus

Inkjet-printed hybrid conducting polymer-activated carbon aerogel linear actuators driven in an organic electrolyte
Põldsalu, Inga; Harjo, Madis; Tamm, Tarmo; **Uibu, Mai**; Peikolainen, Anna-Liisa; Kiefer, Rudolf Sensors and actuators B : chemical 2017 / p. 44-51 : ill https://doi.org/10.1016/j.snb.2017.04.138 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Innovative fibreless HVAC duct silencer based on microperforated elements
Villau, Margus; **Rämmal, Hans**; **Lavrentjev, Jüri** Materials today: proceedings 2021 / 7 p. : ill https://doi.org/10.1016/j.matpr.2021.06.201 Journal metrics at Scopus Article at Scopus

In-situ deposition of gold nanoparticles onto different substrates by chemical spray pyrolysis
Oja Acik, Ilona; **Oyekoya, Gboyega Nathaniel**; **Mere, Arvo**; **Katerski, Atanas**; **Mikli, Valdek**; **Krunks, Malle** IOP conference series : materials science and engineering 2015 / 5 p. : ill https://doi.org/10.1088/1757-899X/77/1/012009 Conference proceedings at Scopus Article at Scopus Article at WOS

Instability of low-moisture carrageenans as affected by water vapor sorption at moderate storage temperatures
Friedenthal, Margus; **Eha, Kairit**; Kaleda, Aleksei; Part, Natalja; **Laos, Katrin** SN Applied Sciences 2020 / art. 243, 6 p. : ill https://doi.org/10.1007/s42452-020-2032-9 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Instead of introduction
Berezovski, Arkadi; Ván, Peter Internal variables in thermoelasticity 2017 / p. 1-18 https://doi.org/10.1007/978-3-319-56934-5_1 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

An internal variable model of macroscopic twin boundary dynamics
Berezovski, Arkadi Mathematics and mechanics of solids 2024 / p. 2297 - 2315 https://doi.org/10.1177/10812865241258723 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/acsaem.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
Ahmadiahangar, 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 : Physical metallurgy and materials science 2021 / p. 5329–5341 : ill https://doi.org/10.1007/s11661-021-06471-7 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Investigation of barrier inhomogeneities and electronic transport on Al-Foil/p-Type-4H-SiCSchottky 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**; Abraitiene, Aušra; Baltušnikaite-Guzaitiene, 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 partial discharge characteristics in XLPE cable insulation under increasing electrical stress
Choudhary, Maninder; Shafiq, Muhammad; **Kiitam, Ivar**; **Palu, Ivo**; Hassan, Waqar; **Singh, Praveen Prakash** Engineering failure analysis 2024 / art. 108006 https://doi.org/10.1016/j.engfailanal.2024.108006 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Investigation of residual stresses in flame sprayed Ni-based wear resistant coatings by the hole-drilling and X-ray methods
Ryabchikov, Alexander; Lille, Harri; Reitsnik, Renno; Toropov, Stanislav; **Surženkov, Andrei**; **Kulu, Priit** International Conference on Residual Stresses 9 (ICRS 9) : selected, peer reviewed papers from the 9th International Conference on Residual Stresses (ICRS 9), October 7-9, 2012, Garmisch-Partenkirchen, Germany 2014 / p. 144-149 https://doi.org/10.4028/www.scientific.net/MSF.768-769.144 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Investigation of rough surfaces on Cu 2 ZnSn(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 corrosion and tribological properties of WC-Co tools hardened with PVD coatings in solid oak wood processing
Kazlauskas, Deividas; Jankauskas, Vytenis; **Antonov, Maksim** Coatings 2024 / art. 569 https://doi.org/10.3390/coatings14050569 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Investigation of the high temperature dry sliding wear behavior of graphene nanoplatelets reinforced aluminum matrix composites
Seçkin, Martin; Kandemir, Sinan; **Antonov, Maksim** Journal of composite materials 2021 / 13 p. : ill https://doi.org/10.1177/0021998320979037 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

The investigation of the production of salt-added polyethylene oxide/chitosan nanofibers
Varnaite-Žuravliova, Sandra; **Savest, Natalja**; Baltušnikaite-Guzaitiene, Julija; Abraitiene, Aušra; **Krumme, Andres** Materials 2024 / art. 132 https://doi.org/10.3390/ma17010132 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Investigation of the tribological behavior of the additively manufactured TiC-based cermets by scratch testing
Maurya, Himanshu Singh; Jayaraj, Jayamani; Wang, Z.; **Juhani, Kristjan**; **Sergejev, Fjodor**; **Prashanth, Konda Gokuldoss** Journal of alloys and compounds 2023 / art. 170496, 9 p. : ill https://doi.org/10.1016/j.jallcom.2023.170496 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Investigations on new carbon-based nanohybrids combining carbon nanotubes, 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; Ivaniševic, Irena; **Kamboj, Nikhil Kumar**; Ivankovic, Hrvoje Open Ceramics 2021 / art. 100122 https://doi.org/10.1016/j.oceram.2021.100122 Journal metrics at Scopus Article at Scopus Article at WOS

Iron triad-based bimetallic M-N-C nanomaterials as highly active bifunctional oxygen electrocatalysts
Alam, Mahboob; **Ping, Kefeng**; Danilson, Mati; Mikli, Valdek; Käärik, Maike; Leis, Jaan; Aruväli, Jaan; Paiste, Päärn; Rähn, Mihkel; Sammelselg, Väino; Tammeveski, Kaido; Haller, Steffen; Kramm, Ulrike Ingrid; **Starkov, Pavel**; Kongi, Nadezda ACS Applied Energy Materials 2024 / p. 4076 - 4087 https://doi.org/10.1021/acsaem.4c00366 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Iron, cobalt, and nickel phthalocyanines tri-doped electrospun carbon nanofibre-based catalyst for rechargeable zinc-air battery air electrode
Muuli, Kaur; Rohit Kumar; Mooste, Marek; **Gudkova, Viktoria**; Treshchalov, Alexey; Piirsoo, Helle-Mai; Kikas, Arvo; Aruväli, Jaan; Kisand, Vambola; Tamm, Aile; **Krumme, Andres**; Moni, Prabu; Wilhelm, Michaela; Tammeveski, Kaido Materials 2023 / art. 4626 https://doi.org/10.3390/ma16134626 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Joint optimization via deep reinforcement learning in wireless networked controlled systems
Ashraf, Kanwal; **Le Moullec, Yannick**; **Pardy, Tamas**; **Rang, Toomas** IEEE Access 2022 / p. 67152-67167 https://doi.org/10.1109/ACCESS.2022.3185244 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Joint reduction of NiO/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

Lean body mass assessment based on UV absorbance in spent dialysate and dual-energy x-ray absorptiometry

Tomson, Ruth; **Fridolin, Ivo**; Luman, Merike International journal of artificial organs 2015 / p. 311-315 : ill
https://doi.org/10.5301/ijao.5000415 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Learning from few cyber-attacks : addressing the class imbalance problem in machine learning-based intrusion detection in software-defined networking
Mirsadeghi, Seyed Mohammad Hadi; **Bahsi, 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

Life cycle assessment of end-of-life tire disposal methods and potential integration of recycled crumb rubber in cement composites
Kolendo, Girts; **Voronova, Viktoria**; Bumanis, Girts; Korjakins, A.; Bajare, D. Applied Sciences (Switzerland) 2024 / art. 11667
https://doi.org/10.3390/app142411667 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

LightGBM-based fault diagnosis of rotating machinery under changing working conditions using modified recursive feature elimination
Saberi, Alireza Nemat; **Belahcen, Anouar**; Sobra, Jan; **Vaimann, Toomas** IEEE Access 2022 / p. 81910-81925
https://doi.org/10.1109/ACCESS.2022.3195939 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Light-induced strain and its correlation with the optical absorption at charged domain walls in polycrystalline ferroelectrics
Rubio-Marcos, Fernando; Pamies, Paula; Del Campo, Adolfo; Tiana, Jordi; Ordonez-Pimentel, Jonathan; Venet, Michel; **Rojas Hernandez, Rocio Estefania**; Ochoa, Diego A.; Fernandez, Jose F.; García, 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-AlSi10Mg hybrid composite for impact resistance and armor piercing shielding
Rahmani Ahranjani, Ramin; **Antonov, Maksim**; Brojan, Miha Journal of materials research and technology 2020 / p. 13842-13854 : ill https://doi.org/10.1016/j.jmrt.2020.09.108 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Lightweight open data assimilation of Pan-European urban air quality
Miasayedava, Lizaveta; **Kaugerand, Jaanus**; **Tuhtan, Jeffrey Andrew** IEEE access 2023 / p. 84670–84688 : ill., map
https://doi.org//10.1109/ACCESS.2023.3302348 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

A linear integer programming model for fault diagnosis in active distribution systems with bi-directional 'fault monitoring devices installed
Wang, Chongyu; Pang, Kaiyuan; Xu, Yan; **Wen, Fushuan**; **Palu, Ivo**; Feng, Changsen IEEE Access 2020 / p. 106452-106463
https://doi.org/10.1109/ACCESS.2020.2999519 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Longitudinal wave propagation in axially graded Raylegh–Bishop nanorods
Arda, Mustafa; **Majak, Jüri**; **Mehrparvar, Marmar** Mechanics of composite materials 2024 / p. 1109-1128
https://doi.org/10.1007/s11029-023-10160-4 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Low processing temperatures explored in Sb2S3 solar cells by close-spaced sublimation and analysis of bulk and interface related defects
Krautmann, Robert; **Spalatu, Nicolae**; **Josepson, Raavo**; Nedzinskas, Ramunas; Kondrotas, Rokas; Gržibovskis, R.; Vembris, Aivars; **Krunks, Malle**; **Oja Acik, Ilona** Solar energy materials and solar cells 2023 / art. 112139, 9 p. : ill
https://doi.org/10.1016/j.solmat.2022.112139 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Low temperature time resolved photoluminescence in ordered and disordered Cu2ZnSnS4 single crystals
Raadik, Taavi; **Krustok, Jüri**; **Kauk-Kuusik, Marit**; **Timmo, Kristi**; **Grossberg, Maarja**; Ernits, Kaia; Bleuse, J. Physica B : condensed matter 2017 / p. 47-50 : ill https://doi.org/10.1016/j.physb.2016.12.011 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Low temperature, spark plasma sintering behavior of zirconia added by a novel type of alumina nanofibers
Voltšihhin, Nikolai; Rodriguez, Miguel Angel; **Hussainova, Irina**; **Aghayan, Marina** Ceramics international 2014 / p. 7235-7244 : ill
https://doi.org/10.1016/j.ceramint.2013.12.063 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Low-temperature annealing of lightly doped n-4H-SiC layers after irradiation with fast electrons
Korolkov, Oleg; Kozlovski, Vitali V.; Lebedev, Alexander A.; **Sleptšuk, Natalja**; **Toompuu, Jana**; **Rang, Toomas** Semiconductors 2019 / p. 975−978 https://doi.org/10.1134/S1063782619070133 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

A luminescence study of Cu2ZnSnSe4/Mo/glass films and solar cells with near stoichiometric copper content
Yakushev, M. V.; Sulimov, M. A.; Marquez-Prieto, J.; **Krustok, Jüri** Journal of physics D : applied physics 2019 / art. 055502, 10 p. : ill
https://doi.org/10.1088/1361-6463/aaefe3 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Machine learning assisted design of high-entropy alloys with ultra-high microhardness and unexpected low density
Zhao, Shunli; Jiang, Bin; Song, Kaikai; Liu, Xiaoming; Wang, Wenyu; Si, Dekun; Zhang, Jilei; Chen, Xiangyan; Zhou, Changshan; Liu, Pingping; Chen, Dong; Zhang, Zequn; Ramasamy, Parthiban; Tang, Junlei; Lv, Wenquan; **Prashanth, Konda Gokuldoss**; Sopu, Daniel; Eckert, Jurgen Materials & design 2024 / art. 112634 https://doi.org/10.1016/j.matdes.2024.112634 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 enabled identification of sheet metal localization
Yatkin, Muhammed Adil; **Kõrgesaar, Mihkel** International journal of solids and structures 2024 / art. 112592 https://doi.org/10.1016/j.ijsolstr.2023.112592 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; Yla-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; Lõhmus, 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 La0.6Pb 0.4MnO3
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

Magnetic equivalent circuit and Lagrange interpolation function modeling of induction machines under broken bar faults
Hemeida, Ahmed; Billah, Md Masum; **Kudelina, Karolina**; **Asad, Bilal**; **Naseer, Muhammad Usman**; Guo, Baocheng; Martin, Floran; Rasilo, Paavo; Belahcen, Anouar IEEE transactions on magnetics 2024 / art. 8200704, 4 p https://doi.org/10.1109/TMAG.2023.3306207 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Management closed control loop automation for improved RAN slice performance by subslicing
Kulmar, Marika; **Alam, Muhammad Mahtab**; **Müürsepp, Ivo** IEEE Access 2024 / p. 103082-103095 https://doi.org/10.1109/ACCESS.2024.3433475 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article 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

Manufacturability and deformation studies on a novel metallic lattice structure fabricated by Selective Laser Melting
Baskaran, Jagadeesh; Muthukannan, Duraiselvam; **Shukla, Riddhi Hirenkumar**; **Prashanth, Konda Gokuldoss** Vacuum 2024 / art. 113065 https://doi.org/10.1016/j.vacuum.2024.113065 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; **Kõrgesaar, 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

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

Mathematical modeling and experimental validation of a fault-tolerant dual stator LHEFSM for rail transit applications
Ullah, Basharat; Khan, Faisal; **Hussain, Shahid**; Albogamy, Fahad R. IEEE Access 2024 / p. 121586-121595 : ill https://doi.org/10.1109/ACCESS.2024.3452984 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Maximizing the degree of rejuvenation in metallic glasses
Yuan, Xudong; Sopu, Daniel; Spieckermann, Florian C.; Song, Kaikai; Ketov, Sergey V.; **Prashanth, Konda Gokuldoss**; Eckert, Juergen H. Scripta Materialia 2022 / art. 114575 https://doi.org/10.1016/j.scriptamat.2022.114575 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Measurement and analysis of human lower limbs movement parameters during walking
Žigailov, Sergei; Kuznetcov, Artem; Musalimov, Victor; **Arjassov, Gennadi** Mechatronic systems and materials VI 2015 / p. 538-543 : ill https://doi.org/10.4028/www.scientific.net/SSP.220-221.538 Conference proceedings at Scopus Article at Scopus

Measurement of geometry of small axisymmetric sheet metal component after forming
Lend, Henri; **Ratas, Kaarin**; **Peetsalu, Priidu** Medžiagotyra = Materials science 2015 / p. 473-478 : ill https://doi.org/10.5755/j01.ms.21.3.7384 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Measurement of residual stresses in the cold-rolled Fe-Ni-Mn/Invar thermo-bimetallic plate
Lille, Harri; Kõo, Jakub; Valgur, Jaak; Ryabchikov, Alexander; Reitsnik, Renno; **Veinthal, Renno** International Conference on Residual Stresses 9 (ICRS 9) : selected, peer reviewed papers from the 9th International Conference on Residual Stresses (ICRS 9), October 7-9, 2012, Garmisch-Partenkirchen, Germany Materials science forum 2014 / p. 101-106 https://doi.org/10.4028/www.scientific.net/MSF.768-769.101 Conference proceedings at Scopus Article at Scopus Conference proceedings at WOS Article at WOS

Mechanical behavior of Ti6Al4V scaffolds filled with CaSiO3 for implant applications
Rahmani Ahranjani, Ramin; **Antonov, Maksim**; **Kollo, Lauri**; **Holovenko, Yaroslav**; **Prashanth, Konda Gokuldoss** Applied sciences 2019 / art. 3844, 11 p. : ill https://doi.org/10.3390/app9183844 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Mechanical properties and microstructural evolution of Ti-25Nb-6Zr alloy fabricated by spark plasma sintering at different temperatures
Zhu, Qing; Chen, Peng; Xiao, Qiushuo; Li, Fengxian; Yi, Jianhong; **Prashanth, Konda Gokuldoss**; Eckert, Jürgen Metals 2022 / art. 1824 https://doi.org/10.3390/met12111824 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Mechanical properties and self-healing capacity of ultra high performance fibre reinforced concrete with alumina nano-fibres : tailoring ultra high durability concrete for aggressive exposure scenarios
Cuenca, Estefania; D'Ambrosio, Leonardo; Lizunov, Dennis; **Tretjakov, Aleksei**; **Volobujeva, Olga**; Ferrara, Liberato Cement and concrete composites 2021 / art. 103956, 17 p https://doi.org/10.1016/j.cemconcomp.2021.103956 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Mechanical properties of aluminum, zirconium, hafnium and tantalum oxides and their nanolaminates grown by atomic layer deposition
Jõgiaas, Taivo; Zabels, Roberts; Tamm, Aile; Merisalu, Maido; **Hussainova, Irina** Surface and coatings technology 2015 / p. 36-42 : ill https://doi.org/10.1016/j.surfcoat.2015.10.008 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Mechanical properties, microstructure, and actuation behavior of wire arc additive manufactured nitinol : titanium bimetallic structures

Singh, Shalini; Demidova, Elena; Resnina, Natalia; Belyaev, Sergey; Palani, Iyamperumal Anand; Paul, Christ Prakash; Kumar, Ajit; **Prashanth, Konda Gokuldoss** 3D Printing and Additive Manufacturing 2024 / p. 143 - 151 https://doi.org/10.1089/3dp.2021.0324 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Mechanism of high-pressure torsion-induced shear banding and lamellar thickness saturation in Co-Cr-Fe-Ni-Nb high-entropy composites
Maity, Tapabrata; **Prashanth, Konda Gokuldoss**; Janda, Alexander Journal of materials research 2019 / p. 2672-2682 : ill https://doi.org/10.1557/jmr.2019.149 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

The mechanism of joint reduction of MoO3 and CuO by combined Mg/C reducer at high heating rates
Kirakosyan, Hasmik; Nazaretyan, Khachik; **Aydinyan, Sofiya**; Kharatyan, Suren Journal of composites science 2021 / art. 318, 20 p. : ill https://doi.org/10.3390/jcs5120318 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Mechanochemical nucleophilic substitution of alcohols via isouronium intermediates
Dalidovich, Tatsiana; **Nallaparaju, Jagadeesh Varma**; **Shalima, Tatsiana**; **Aav, Riina**; **Kananovich, Dzmitry** ChemSusChem 2022 / art. e202102286 https://doi.org/10.1002/cssc.202102286 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Mechanochemical synthesis of solid-state electrolyte Sm1−xCaxF3−x for batteries and other electrochemical devices
Molaiyan, Palanivel; **Witter, Raiker** Materials letters 2019 / p. 22-26 https://doi.org/10.1016/j.matlet.2019.02.034 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Mechanochemically driven covalent self-assembly of a chiral mono-biotinylated hemicucurbit[8]uril
Suut-Tuule, Elina; **Jarg, Tatsiana**; **Tikker, Priit**; **Lootus, Ketren-Marlein**; **Martõnova, Jevgenija**; **Reitalu, Rauno**; **Ustrnul, Lukas**; Ward, Jas S.; Rjabovs, Vitalijs; Shubin, Kirill; **Nallaparaju, Jagadeesh Varma**; **Vendelin, Marko**; **Preis, Sergei**; **Öeren, Mario**; Rissanen, Kari; **Kananovich, Dzmitry**; **Aav, Riina** Cell reports physical science 2024 / art. 102161 https://doi.org/10.1016/j.xcrp.2024.102161 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.; Lehmhus, D. JOM : the journal of the minerals, metals & materials society 2018 / p. 1319-1325 : ill https://doi.org/10.1007/s11837-018-2886-0 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Metallic coatings through additive manufacturing: a review
Mohanty, Shalini; **Prashanth, Konda Gokuldoss** Materials 2023 / art. 2325 : ill https://doi.org/10.3390/ma16062325 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Metal-metal interpenetrating phase composites: A review
Zhang, Zuyao; Wang, Zhi; Zhao, Qizhong; **Prashanth, Konda Gokuldoss** Journal of alloys and compounds 2024 / art. 176951

https://doi.org/10.1016/j.jallcom.2024.176951 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-tsellulloosikangaga-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/s00161-015-0453-2 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Microstructural and mechanical behaviour of friction welded SS316L components fabricated by selective laser melting
Dinesh, Lanka; Damodaram, R.; Sivaprasad, Katakam; **Prashanth, Konda Gokuldoss** Materials today communications 2023 / art. 107430 https://doi.org/10.1016/j.mtcomm.2023.107430 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Microstructural evolution and mechanical properties of selective laser melted Ti-6Al-4V induced by annealing treatment
Wang, Pei; Chen, Feng-hua; Eckert, J.; Pilz, S.; Scudino, S.; **Prashanth, Konda Gokuldoss** Journal of Central South University 2021 / p. 1068–1077 : ill https://doi.org/10.1007/s11771-021-4680-3 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Microstructural evolution and mechanical properties of Ti(C,N)–FeCrMo-based green cermets
Maurya, Himanshu Singh; **Juhani, Kristjan**; **Viljus, Mart**; **Sergejev, Fjodor**; **Kübarsepp, Jakob** Ceramics international 2024 / p. 8695-8705 https://doi.org/10.1016/j.ceramint.2023.12.186 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Microstructural, mechanical and corrosion behaviour of Al–Si alloy reinforced with SiC metal matrix composite
Bandil, Kapil; Vashisth, Himanshu; Kumar, Sourav; **Singh, Neera** Journal of composite materials 2019 / p. 4215-4223 : ill https://doi.org/10.1177/0021998319856679 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Microstructure and high temperature tribological behaviour of self-lubricating Ti-TiBx composite doped with Ni-Bi
Kumar, Rahul, 1993-; Torres, Hector; **Aydinyan, Sofiya**; **Antonov, Maksim**; Varga, Markus; Rodrlguez 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 performances of NiCoFeAlTi high-entropy intermetallic reinforced CoCrFeMnNi high-entropy alloy composites manufactured by selective laser melting
Yang, Hong; Ma, Pan; Zhang, Zhiyu; Xie, Xiaochang; Yang, Ping; Zhang, Han; Jia, Yandong; **Prashanth, Konda Gokuldoss** Journal of materials research and technology 2024 / p. 6275-6287 https://doi.org/10.1016/j.jmrt.2024.11.022 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, Iyamperumal Anand; Paul, Christ Prakash; Tomar, K. P.; **Prashanth, Konda Gokuldoss** Materials letters 2021 / art. 130499, 4 p. : ill https://doi.org/10.1016/j.matlet.2021.130499 Journal metrics at Scopus Article at Scopus

Journal metrics at WOS Article at WOS

Microstructure and mechanical property of bimodal-size metallic glass particle-reinforced Al alloy matrix composites
Xie, M.S.; Wang, Zhi; **Prashanth, Konda Gokuldoss** Journal of alloys and compounds 2020 / art. 152317, 6 p. : ill https://doi.org/10.1016/j.jallcom.2019.152317 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Microstructure and nanoindentation creep behavior of binary Al-Cu alloy synthesized at high pressure
Ma, Pan; Zhang, Zhiyu; Liu, Xiao; Shi, Xuerong; **Prashanth, Konda Gokuldoss**; Jia, Yandong JOM : the journal of the minerals, metals & materials society 2023 / p. 176-183 https://doi.org/10.1007/s11837-022-05545-0 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Microstructure and physical-mechanical properties evolution of pure tantalum processed with hard cyclic viscoplastic deformation
Kommel, Lembit; **Omranpour Shahreza, Babak**; **Mikli, Valdek** International journal of refractory metals and hard materials 2019 / art. 104983, 10 p. : ill https://doi.org/10.1016/j.ijrmhm.2019.104983 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Microstructure and properties characterization of polycrystalline Ni-Fe-Cr-basedsuperalloy EP-718E after electric upsetting
Kommel, Lembit Engineering materials and tribology XXV 2017 / p. 467-472 https://doi.org/10.4028/www.scientific.net/KEM.721.467 Conference proceedings at Scopus Article at Scopus

Microstructure and properties that change during hard cyclic visco-plastic deformation of bulk high purity niobium
Kommel, Lembit International journal of refractory metals and hard materials 2019 / p. 10-17 : ill https://doi.org/10.1016/j.ijrmhm.2018.10.009 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Microstructure and texture evolution during the manufacturing of in situ TiC-NiCr cermet through selective laser melting process
Aramian, Atefeh; Sadeghian, Zohreh; Wan, Di; **Holovenko, Yaroslav**; Razavi, Nima; Berto, Filippo Materials Characterization 2021 / art. 111289, 14 p. : ill https://doi.org/10.1016/j.matchar.2021.111289 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Microstructure and tribological behavior of Al-12Si – Nano graphene composite fabricated by laser metal deposition process
Yang, Zhilu; Ma, Pan; Zhang, Nan; Yang, Dongye; **Prashanth, Konda Gokuldoss**; Jia, Yandong Journal of materials research and technology 2023 / p. 2311-2322 https://doi.org/10.1016/j.jmrt.2023.10.095 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Microstructure and tribological behavior of Fe-based amorphous alloy fabricated by plasma spraying and laser remelting
Ma, Pan; Yang, Zhilu; Fang, Longfei; Zhang, Zhiyu; Fang, Yacheng; Zhang, Nan; **Prashanth, Konda Gokuldoss**; Jia, Yandong Transactions of the Indian Institute of Metals 2023 / p. 1007-1014 https://doi.org/10.1007/s12666-022-02814-z Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Microstructure evolution and hot deformation behavior of spray-deposited TiAl alloys
Jia, Yandong; Xu, Long; Ma, Pan; **Prashanth, Konda Gokuldoss** Journal of materials research 2018 / p. 2844-2852 : ill https://doi.org/10.1557/jmr.2018.249 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Microstructure evolution and tensile property of high entropy alloy particle reinforced 316 L stainless steel matrix composites fabricated by laser powder bed fusion
Zhang, Xinqi; Yang, Dongye; Jia, Yandong; Wang, Gang; **Prashanth, Konda Gokuldoss** Journal of alloys and compounds 2023 / art. 171430 https://doi.org/10.1016/j.jallcom.2023.171430 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Microstructure evolution of TiC cermets with ferritic AISI 430L steel binder
Kolnes, Märt; **Mere, Arvo**; **Kübarsepp, Jakob**; **Viljus, Mart**; **Maaten, Birgit**; **Tarraste, Marek** Powder metallurgy 2018 / p. 197-209 : 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 BALTMATTRIB 2019. Selected, peer reviewed papers from the conference Modern Materials and Manufacturing 2019 (MMM 2019), April 24-26, 2019, Tallinn, Estonia 2019 / p. 131-135 : ill https://www.scientific.net/KEM.799.131 https://www.ester.ee/record=b5235278*est https://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

Model-free predictive control for improved performance and robustness of three-phase quasi Z-source inverters
Abid, Abderahmane; **Bakeer, Abualkasim Ahmed Ali**; Albalawi, Hani; Bouzidi, Mansour; Lashab, Abderezak; **Chub, Andrii**; Zaid, Sherif A. IEEE Access 2024 / p. 87850-87863 https://doi.org/10.1109/ACCESS.2024.3417397 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

The modeling and investigation of slot skews and supply imbalance on the development of principal slotting harmonics in squirrel cage induction machines
Asad, Bilal; **Vaimann, Toomas**; **Belahcen, Anouar**; **Kallaste, Ants**; **Rassõlkin, Anton**; Khang, Huynh Van; **Shams Ghahfarokhi, Payam**; **Naseer, Muhammad Usman**; **Iqbal, Muhammad Naveed** IEEE Access 2021 / p. 165932-165946 https://doi.org/10.1109/ACCESS.2021.3134331 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Modeling battery energy storage systems based on remaining useful lifetime through regression algorithms and binary classifiers

Zequera, Rolando Antonio Gilbert; **Rjabtšikov, Viktor**; **Rassõlkin, 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

Modelling the fire resistance of cross-laminated timber rib panels
Kleinhenz, Miriam; Palma, Pedro; **Just, Alar**; Frangi, Andrea Fire and Materials 2024 / P. 725 - 736 https://doi.org/10.1002/fam.3226 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**; **Traksmaa, 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 : [journal article]
Naseer, Muhammad Usman; **Kallaste, Ants**; **Asad, Bilal**; **Vaimann, Toomas**; **Rassõlkin, Anton** IEEE transactions on magnetics 2022 / art. 7500704 https://doi.org/10.1109/TMAG.2022.3164189 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Modular multi-rotor helicopter platforms
Tiimus, Kristjan; **Tamre, Mart** Mechatronic systems and materials VI 2015 / p. 110-115 : ill https://doi.org/10.4028/www.scientific.net/SSP.220-221.110 Conference proceedings at Scopus Article at Scopus

Molecular properties of comb-shaped maleimide copolymers in dilute solutions : effect of alkyl side chains
Tarabukina, Elena; Tarasova, Elvira; Filippov, Alexander Polymer Science, Series A 2022 / p. 261-269 https://doi.org/10.1134/S0965545X22700134 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Molecularly imprinted co-polymer for class-selective electrochemical detection of macrolide antibiotics in aqueous media
Nguyen, Vu Bao Chau; **Ayankojo, Akinrinade George**; **Reut, Jekaterina**; Rappich, Jörg; Furchner, Andreas; Hinrichs, Karsten; **Sõritski, 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 electrochemical sensor for the detection of azoxystrobin in aqueous media
Nguyen, Vu Bao Chau; **Reut, Jekaterina**; Rappich, Jörg; Hinrichs, Karsten; **Sõritski, Vitali** Polymers 2024 / art. 1394 https://doi.org/10.3390/polym16101394 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(Si1-x,Alx)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

Motion and energy efficiency parameters of the unmanned ground vehicle
Väljaots, Eero; **Sell, Raivo**; **Kaeeli, Mati** Mechatronic systems and materials VI 2015 / p. 934-939 : ill https://doi.org/10.4028/www.scientific.net/SSP.220-221.934 Conference proceedings at Scopus Article at Scopus

An MPPT algorithm for PV systems based on a simplified photo-diode model
Restrepo, Carlos; Gonzalez-Castano, Catalina; Munoz, Javier; **Chub, Andrii**; Vidal-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
Dzipalski, A.; Morton, J. A. S.; Papachristou, N.; Maier, R. R. J.; MacPherson, W. N.; **Ristolainen, Asko**; **Kruusmaa, Maarja**; Reilent, E.; **Suhhova, Irina**; **Lips, Urmas** Proceedings of SPIE 2023 / art. 1264307-1 : ill https://doi.org/10.1117/12.2679756 Conference proceedings at Scopus Article at Scopus

A multiplexed reconfigurable modular FBG-based sensor platform for flow and temperature measurements in the North Sea
Dzipalski, Adrian; Morton, Jonathan A. S.; Papchristou, Nikolitsa; Maier, Robert R. J.; MacPherson, William N.; **Ristolainen, Asko**; **Reilent, Enar**; **Kruusmaa, Maarja**; Wolf, Ben J.; Pirih, Primoz; Van Netten, Sietse M.; **Suhhova, Irina**; **Lips, Urmas**; McFarlane, Nathan; MacLeod, Robert; Hendry, Mark; Sheehy, Jack; Almoghayer, Mohammed; Rojas, Natalia; Davies, Gareth Proceedings of SPIE 2024 / 6 p https://doi.org/10.1117/12.3031643 Conference proceedings at Scopus Article at Scopus Article at WOS

Multi-purpose heterogeneous catalyst material from an amorphous cobalt metal–organic framework
Ping, Kefeng; **Alam, Mahboob**; **Kahnert, Sean Ray**; **Bhadoria, Rohit**; **Mere, Arvo**; **Mikli, Valdek**; Käärik, Maike; Aruväli, Jaan; Paiste, Päärn; Kikas, Arvo; Kisand, Vambola; **Järving, Ivar**; Leis, Jaan; Kongi, Nadežda; **Starkov, Pavel** Materials advances 2021 / p. 4009-4015 https://doi.org/10.1039/D1MA00414J Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Multiscale investigation of sodiumIion battery anodes: analytical techniques and applications
Schäfer, David; Hankins, Kie; Allion, Michelle; Krewer, Ulrike; Karcher, Franziska; Derr, Laurin; Schuster, Rolf; Maibach, Julia; Mück, Stefan; Kramer, Dominik; **Samoson, Ago**; **Witter, Raiker** Advanced energy materials 2024 / art. 2302830, 37 p https://doi.org/10.1002/aenm.202302830 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

A multi-terrain robot prototype with archimedean screw actuators : design, realization, modeling, and control
Gkliva, Roza; **Remmas, Mohamed Walid**; **Godon, Simon Pierre**; **Rebane, Jaan**; **Ochs, Kilian**; **Kruusmaa, Maarja**; **Ristolainen, Asko** IEEE Access 2024 / p. 95820 - 95830 https://doi.org/10.1109/ACCESS.2024.3426105 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Multi-type dislocation substructure evolution in a high-strength and ductile duplex high-entropy nanocomposites

Mua, Yongkun; **Liu, Le**; Shia, Jinqiang; Sun, Tongtong; Hua, Kai; Jia, Yuefei; Song, Kaikai; Jia, Yandong; Wang, Qing; Wang, Gang Composites Part B : Engineering 2022 / art. 110322 https://doi.org/10.1016/j.compositesb.2022.110322 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Nafion protective membrane enables using ruthenium oxide electrodes for pH measurement in milk
Lazouskaya, Maryna; **Scheler, Ott**; **Mikli, Valdek**; Uppuluri, Kiranmai; Zaraska, Krzysztof; Tamm, Martti Journal of The Electrochemical Society 2021 / art. 107511, 12 p. : ill https://doi.org/10.1149/1945-7111/ac2d3c Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Nano- and Micro-Scale simulations of Ge/3C-SiC and Ge/4H-SiC NN-heterojunction diodes
Rashid, Muhammad Haroon; **Koel, Ants**; **Rang, Toomas** Silicon Carbide and Related Materials 2019 : 18th International Conference on Silicon Carbide and Related Materials 2019 (ICSCRM 2019), Kyoto, Japan, September 29 - October 4, 2019 Materials science forum 2020 / p. 490-496 https://doi.org/10.4028/www.scientific.net/MSF.1004.490 Conference proceedings at Scopus 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 : 12thEuropean Conference on Silicon Carbide and Related Materials (ECSCRM 2018) : Selected, peer reviewed papers from the European Conference on Silicon Carbide and Related Materials (ECSCRM 2018), September 2-6, 2018,Birmingham, UK 2019 / p. 357–361 https://doi.org/10.4028/www.scientific.net/MSF.963.357 Conference proceeding at Scopus Article at Scopus

Nanocrystalline diamond films deformation observed during sliding tests against Si_3N_4 balls as a possible cause for ripple formation on wear scars surface
Bogatov, Andrei; **Viljus, Mart**; **Raadik, Taavi**; Hantschel, Thomas; **Podgurski, Vitali** Medžiagotyra = Materials science 2015 / p. 349-352 : ill https://doi.org/10.5755/j01.ms.21.3.7232 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

NanoE-Tox: new and in-depth database concerning ecotoxicity of nanomaterials
Juganson, Katre; Ivask, Angela; Blinova, Irina; Mortimer, Monika; Kahru, Anne Beilstein Journal of Nanotechnology 2015 / p. 1788 - 1804 https://doi.org/10.3762/bjnano.6.183 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Nanoindentation and surface characterization of clinically retrieved multi-force niti orthodontic archwires
Cherneva, Sabina; Stoyanova-Ivanova, Angelina K.; Georgieva, Mirela; Andreeva, Laura A.; Petkov, Alexander; Petrov, Valeri G.; Petrova, Violeta P.; **Mikli, Valdek** Russian Journal of Biomechanics 2020 / p. 240-256 https://doi.org/10.15593/RJBiomech/2020.3.02 https://ered.pstu.ru/index.php/rjb/article/view/2303 Journal metrics at Scopus Article at Scopus

Nanoparticulate dielectric overlayer for enhanced electric fields in a capacitive deionization device
Laxman, Karthik; Kimoto, Daiki; **Sahakyan, Armen**; Dutta, Joydeep ACS applied materials and interfaces 2018 / 8 p. : ill. https://doi.org/10.1021/acsami.7b16540 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Nanoscale and microscale simulations of N-N junction heterostructures of 3C-4H silicon carbide
Rashid, Muhammad Haroon; **Koel, Ants**; **Rang, Toomas**; **Gähwiler, Reto**; **Grosberg, Martin**; **Jõemaa, Rauno** Materials and contact characterisation VIII 2017 / p. 235-248 : ill https://doi.org/10.2495/MC170241 Conference proceedings at Scopus Article at Scopus

Nano-scale sulfurization of the 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

Ahmadiahangar, 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

New materials through a variety of sintering methods
Jaworska, L.; Cyboroń, J.; Cygan, Slawomir; Laszkiewicz-ŁUkasik, J.; Podsiadło, M.; Novak, P.; **Holovenko, Yaroslav** E-MRS Fall Symposium I: Solutions for Critical Raw Materials Under Extreme Conditions (E-MRS 2017) : Warsaw, Poland 18-21 September 2017 2018 / art. 012004 : ill https://doi.org/10.1088/1757-899X/329/1/012004 Conference proceeding at Scopus Article at Scopus Article at WOS

New methodology for the antifungal testing of surfactant-free silver metal nanoparticles for applications in green housing
Küünal, 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 (BALTMATTRIB & 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 Ghavipanjeh; 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**; **Krunks, Malle** Applied surface science 2021 / art. 149118 https://doi.org/10.1016/j.apsusc.2021.149118 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

NiO reduction by Mg plus C combined reducer at high heating rates
Zakaryan, Marieta; Nazaretyan, K.T.; **Aydinyan, Sofiya**; Kharatyan, Suren Journal of thermal analysis and calorimetry 2021 / p. 1811-1817 : ill https://doi.org/10.1007/s10973-020-10148-5 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

NiTi–Cu bimetallic structure fabrication through wire arc additive manufacturing
Singh, Shalini; Demidova, Elena; Resnina, Natalia; Belyaev, Sergey; Iyamperumal, P. A.; Paul, C. P.; **Prashanth, Konda Gokuldoss** Materials 2024 / art. 1006 https://doi.org/10.3390/ma17051006 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Non-aldehyde resins based on resorcinol and natural alkylresorcinols modified with styrene
Jurkeviciute, Ana; **Grigorieva, Larisa**; **Tõnsuaadu, Kaia**; **Yashicheva, Tamara**; Bondarev, 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 measurments for silicon carbide heterostructure analysis
Sahakyan, Armen; **Koel, Ants**; **Rang, Toomas** Materials and contact characterisation VIII 2017 / p. 49-60 : ill https://doi.org/10.2495/MC170061 Conference proceedings at Scopus Article at Scopus

Non-equilibrium grain boundaries with excess energy in graphene
Romanov, A. E.; Kolesnikova, A. L.; Orlova, T. S.; **Hussainova, Irina**; Bougrov, V. E.; Valiev, R. Z. Carbon 2015 / p. 223-231 : ill https://doi.org/10.1016/j.carbon.2014.09.053 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Nonlinear comparative optimization for biomaterials wear in artificial implant technology
Casesnoves, Francisco Materials science and applied chemistry II : 59th International Scientific Conference of Riga Technical University (RTU), Section of Materials Science and Applied Chemistry - MSAC 2018 2019 / p. 52-59 https://doi.org/10.4028/www.scientific.net/KEM.800.52 Conference proceeding at Scopus Article at Scopus

Nonlinear waves and solitons in complex solids
Pastrone, Franco; **Engelbrecht, Jüri** Mathematics and mechanics of solids 2016 / p. 52-59 : ill https://doi.org/10.1177/1081286515572245 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

A novel and high-gain switched-capacitor and switched-inductor-based DC/DC boost converter with low input current ripple and mitigated voltage stresses
Pirpoor, Samaneh; **Rahimpour, Saeed**; Andi, Mikaeil; Kanagaraj N.; Pirouzi, Sasan; Mohammed, Adil Hussein IEEE Access 2022 / p. 32782 - 32802 https://doi.org/10.1109/ACCESS.2022.3161576 Journal metrics at Scopus Article at Scopus Journal metrics at WOS

Article at WOS

A novel approach to electroconductive ceramics filled by graphene covered nanofibers
Drozdova, Maria; **Hussainova, Irina V.**; Pérez-Coll, Domingo; **Aghayan, Marina**; **Ivanov, Roman A.**; Rodríguez, M. A. Materials and Design 2016 / p. 291 - 298 https://doi.org/10.1016/j.matdes.2015.10.148 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

A novel approach to fabricate Si3N4 by selective laser melting
Minasyan, Tatevik; **Liu, Le**; **Aghayan, Marina**; **Kollo, Lauri**; **Kamboj, Nikhil Kumar**; **Aydinyan, Sofiya**; **Hussainova, Irina** Ceramics international 2018 / p. 13689-13694 : ill https://doi.org/10.1016/j.ceramint.2018.04.208 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

A novel crack-free and refined 2195-Ti/CeB6 composites prepared by laser powder bed fusion
Xi, Lixia; Xu, Juncan; Gu, Dongdong; Feng, Lili; Lu, Qiuyang; **Prashanth, Konda Gokuldoss** Materials letters 2023 / art. 133572 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; Välbe, Raul; **Krumme, Andres** Ceramics international 2014 / p. 7729-7735 : ill https://doi.org/10.1016/j.ceramint.2013.12.114 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Novel loading protocol combines highly efficient encapsulation of exogenous therapeutic toxin with preservation of extracellular vesicles properties, uptake and cargo activity
Zuppone, Stefania; Zarovni, Natasa; Noguchi, Kosuke; **Loria, Francesca**; Morasso, Carlo; Lõhmus, Andres; Nakase, Ikuhiko; Vago, Riccardo Discover Nano 2024 / art. 76 https://doi.org/10.1186/s11671-024-04022-8 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

A novel method to enhance the mechanical properties of polyacrylonitrile nanofiber mats: an experimental and numerical investigation
Sanchaniya, Jaymin Vrajla; Lasenko, Inga; Vijayan, Vishnu; Smogor, Hilary; Gobins, Valters; Kobeissi, Alaa; **Goljandin, Dmitri** Polymers 2024 / art. 992 https://doi.org/10.3390/polym16070992 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 quantification method of aggregated energy flexibility based on power-duration curves
Plaum, Freddy; **Rosin, Argo**; **Ahmadiahangar, Roya** IEEE Access 2024 / p. 132825-132837 https://doi.org/10.1109/ACCESS.2024.3461151 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 treatment method for black liquor and biomass hydrolysate with partial wet oxidation
Muddassar, Hassan Raja; Melin, Kristian; Kuppa, Sarada; Koskinen, Jukka; Hurme, Markku; De Kokkonen, Daniela; **Kallas, Juha** Cellulose chemistry and technology 2015 / p. 347-360 : ill https://www.cellulosechemtechnol.ro/pdf/CCT3-4(2015)/p.347-360.pdf 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 Al0.5CoCrFeNi 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 dead-time optimization and active gate driving in flyback converters with synchronous rectifiers
Philipps, Daniel; Blinov, Andrei; Peftitsis, Dimosthenis IEEE Access 2024 / p. 173146-173155
https://doi.org/10.1109/ACCESS.2024.3462956 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
Ahmadiahangar, 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, Veroonika**; Laas, Katrin Nuclear materials and energy 2019 / p. 312-320 : ill https://doi.org/10.1016/j.nme.2019.01.012 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

On the influence of internal degrees of freedom on dispersion in microstructured solids
Tamm, Kert; **Peets, Tanel** Mechanics research communications 2013 / p. 106-111 : ill
https://doi.org/10.1016/j.mechrescom.2012.10.006 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

On the Mindlin microelasticity in one dimension

Berezovski, Arkadi Mechanics research communications 2016 / p. 60-64 : ill https://doi.org/10.1016/j.mechrescom.2016.09.005 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

On the potential of Transparent Rare-Earth-Free 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**; **Kouhiisfahani, Elham**; **Öpik, Andres** Solar energy 2013 / p. 202-208 : ill https://doi.org/10.1016/j.solener.2013.04.027 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

One-stage pulsed laser deposition of conductive zinc oxysulfide layers
Bereznev, Sergei; Kocharyan, Hrachya; **Maticiuc, Natalia**; **Naidu, Revathi**; **Volobujeva, Olga**; Tverjanovich, Andrey; **Kois, Julia** Applied surface science 2017 / p. 722-727 : ill https://doi.org/10.1016/j.apsusc.2017.07.078 Journal metrics at Scopus Article at Scopus 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
Preden, Jürgo-Sören; Llinas, James; Rogova, Galina; **Pahtma, Raido**; **Mõtus, Leo** Ground/air multisensor interoperability, integration, and networking for persistent ISR IV 2013 / p. 1-12 : ill https://doi.org/10.1117/12.2016249 Conference Proceedings at Scopus Article at Scopus Article at WOS

Online detection of out-of-step condition using PMU-determined system impedances
Tealane, Marko; **Kilter, Jako**; Popov, Marjan; Bagleybter, Oleg; Klaar, Danny IEEE Access 2022 / p. 14807-14818 https://doi.org/10.1109/ACCESS.2022.3149103 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Open urban mmWave radar and camera vehicle classification dataset for traffic monitoring
Soom, Jürgen; **Leier, Mairo**; **Janson, Karl**; **Tuhtan, Jeffrey A.** IEEE Access 2024 / p. 65128 - 65140 https://doi.org/10.1109/ACCESS.2024.3397013 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Opportunities and challenges of utilizing additive manufacturing approaches in thermal management of electrical machines
Shams Ghahfarokhi, Payam; 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**; Dmitroglo, 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

Optical spectroscopy studies of $Cu_2ZnSnSe_4$ thin films
Yakushev, M. V.; Forbes, I.; Mudryi, A. V.; **Grossberg, Maarja**; **Krustok, Jüri**; **Beattie, N. S.**; Moynihan, M.; Rockett, A.; Martin, R. W. Thin solid films 2015 / p. 154-157 : ill https://doi.org/10.1016/j.tsf.2014.09.010 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Optimal design of system of cross-beams
Arjassov, Gennadi; **Žigailov, Sergei** Mechatronic systems and materials IV 2013 / p. 675-680 : ill https://doi.org/10.4028/www.scientific.net/SSP.198.675 Article collection metrics at Scopus Article at Scopus Article collection metrics at WOS Article at WOS

Optimal mechanical properties of Hydroxyapatite gradient Voronoi porous scaffolds for bone applications — a numerical study
Rezapourianghahfarokhi, Mansoureh; **Hussainova, Irina** Journal of the mechanical behavior of biomedical materials 2023 / art. 106232 https://doi.org/10.1016/j.jmbbm.2023.106232 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Optimisation of plant mediated synthesis of silver nanoparticles by common weed Plantago major and their antimicrobial properties
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; Härmas, 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 La0.2Sr0.7- xCa xTi0.95Fe0.05O3-δfuel 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; **Võsa, 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

Overview of Hard Cyclic viscoplastic Deformation as a new SPD method for modifying and studying the structure and properties of Cu-alloys
Kommel, Lembit Materials Transactions 2024 / p. 109-118 https://doi.org/10.2320/matertrans.MT-M2023136 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

An overview of lifetime management of power electronic converters
Rahimpour, Saeed; **Tarzamni, Hadi**; **Vosoughi Kurdkandi, Naser**; **Husev, Oleksandr**; **Vinnikov, Dmitri**; Tahami, Farzad IEEE Access 2022 / p. 109688-109711 https://doi.org/10.1109/ACCESS.2022.3214320 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Oxidation energy efficiency in water treatment with gas-phase pulsed corona discharge as a function of spray density
Tikker, Priit; Kornev, Iakov; **Preis, Sergei** Journal of electrostatics 2020 / art. 103466, 5 p. : ill https://doi.org/10.1016/j.elstat.2020.103466 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Oxidation of aqueous organic molecules in gas-phase pulsed corona discharge affected by sodium dodecyl sulphate: Explanation of variability
Onga, Liina; **Borozniak, Roman**; Kornev, Iakov; **Preis, Sergei** Journal of electrostatics 2021 / art. 103581, 6 p https://doi.org/10.1016/j.elstat.2021.103581 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Oxidation of reactive azo-dyes with pulsed corona discharge : surface reaction enhancement
Onga, Liina; Kornev, Iakov; **Preis, Sergei** Journal of electrostatics 2020 / art. 103420, 5 p. : ill https://doi.org/10.1016/j.elstat.2020.103420 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Oxidation of spark plasma sintered ZrC-Mo and ZrC-TiC composites
Yung, Der-Liang; **Maaten, Birgit**; **Antonov, Maksim**; **Hussainova, Irina** International journal of refractory metals and hard materials 2017 / p. 244-251 : ill https://doi.org/10.1016/j.ijrmhm.2017.03.019 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Oxidation of ubiquitous aqueous pharmaceuticals with pulsed corona discharge
Derevshchikov, Vladimir; **Dulova, Niina**; **Preis, Sergei** Journal of electrostatics 2021 / art. 103567, 9 p.: ill
https://doi.org/10.1016/j.elstat.2021.103567 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Oxygen electroreduction on platinum nanoparticles activated electrodes deposited onto D-glucose derived carbon support in 0.1 M KOH
Taleb, Masoud; Nerut, Jaak; Tooming, Tauno; 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 electroreduction on platinum nanoparticles deposited onto D-glucose derived carbon
Taleb, Masoud; Nerut, Jaak; Tooming, Tauno; Thomberg, Thomas; Jänes, Alar; Lust, Enn Journal of the Electrochemical Society 2015 / p. F651 - F660 https://doi.org/10.1149/2.0231507jes Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Oxygen reduction on silver nanoparticles supported on carbide-derived carbons
Linge, Jonas Mart; Erikson, Heiki; Merisalu, Maido; **Kaljuvee, Tiit** Journal of the electrochemical society 2018 / p. F1199–F1205
https://doi.org/10.1149/2.0711814jes Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Parallel investigation of double forged pure tungsten samples irradiated in three DPF devices
Gribkov, V. A.; **Shirokova, Veroonika**; **Pokatilov, Andrei**; **Parker, Martin** Journal of nuclear materials 2015 / p. 341-346 : ill
https://doi.org/10.1016/j.jnucmat.2014.11.080 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Parametric study on in situ Laser powder bed fusion of Mo(Si1−x,Alx)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

Pattern formation of elastic waves and energy localization due to elastic gratings
Berezovski, Arkadi; **Engelbrecht, Jüri**; Berezovski, Mihhail International journal of mechanical sciences 2015 / p. 137-144 : ill
https://doi.org/10.1016/j.ijmecsci.2015.07.027 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Pavement distress detection with deep learning using the orthoframes acquired by a mobile mapping system
Riid, Andri; Lõuk, Roland; **Pihlak, Rene**; **Tepljakov, Aleksei**; **Vassiljeva, Kristina** Applied sciences 2019 / art. 4829, 22 p. : ill
https://doi.org/10.3390/app9224829 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

PCL/Si-doped multi-phase calcium phosphate scaffolds derived from cuttlefish bone
Ressler, Antonia; Bauer, Leonard; Prebeg, Teodora; Ledinski, Maja; **Hussainova, Irina**; Urlic, Inga; Ivankovic, Marica; Ivankovic, Hrvoje Materials 2022 / art. 3348 https://doi.org/10.3390/ma15093348 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

A PD-type iterative learning algorithm for semi-linear distributed parameter systems with sensors/actuators
Zhang, Jianxiang; Cui, Baotong; Jiang, Zhengxian; **Chen, Juan** IEEE Access 2019 / p. 159037-159047 : ill
https://doi.org/10.1109/ACCESS.2019.2950456 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Peculiarities of microstructure evolution and property changes of titanium alloys in situ during electric forging
Kommel, Lembit Materials performance and characterization 2020 / p. 75−88 : ill https://doi.org/10.1520/MPC20190109 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

PenChain: a blockchain-based platform for penalty-aware service provisioning
Nguyen, Trung-Viet; Le, Lam-Son; Shah, Syed Attique; Hameed, Sufian; **Draheim, Dirk** IEEE Access 2024 / p. 1005-1030 : ill
https://doi.org/10.1109/ACCESS.2023.3344038 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Performance evaluation of cement mortar and concrete with incorporated micro fillers obtained by collision milling in disintegrator
Bumanis, Girts; Bajare, Diana; **Goljandin, Dmitri** Ceramics-silikáty 2017 / p. 231-243 : ill https://doi.org/10.13168/cs.2017.0021 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Performance improvement of decision tree : a robust classifier using tabu search algorithm
Hafeez, Muhammad Asfand; Rashid, Muhammad; Tariq, Hassan; **Abideen, Zain Ul**; Alotaibi, Saud S.; Sinky, Mohammed H. Applied Sciences (Switzerland) 2021 / art. 6728 https://doi.org/10.3390/app11156728 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Performance of ceramic-metal composites as potential tool materials for friction stir welding of aluminium, copper and stainless steel
Kolnes, Mart; **Kübarsepp, Jakob**; **Sergejev, Fjodor**; **Kolnes, Märt**; **Tarraste, Marek**; **Viljus, Mart** Materials 2020 / art. 1994, 18 p. : ill https://doi.org/10.3390/ma13081994 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Performance of polyimide and PTFE based composites under sliding, erosive and high stress abrasive conditions
Kumar, Rahul, 1993-; Malaval, Bastien; **Antonov, Maksim**; Zhaoc, Gai Tribology international 2020 / art. 106282 https://doi.org/10.1016/j.triboint.2020.106282 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Performances of PID and different fuzzy methods for controlling a ball on beam
Vu, Trieu Minh; **Tamre, Mart**; **Moezzi, Reza**; **Mets, Oliver**; **Jürise, Mart**; **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; **Öpik, Andres**; **Mellikov, Enn** Thin solid films 2013 / p. 198-201 : ill https://doi.org/10.1016/j.tsf.2013.01.064 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Photocontrolled strain in polycrystalline ferroelectrics via domain engineering strategy
Rubio-Marcos, Fernando; Del Campo, Adolfo; Ordonez-Pimentel, Jonathan; Venet, Michel; **Rojas Hernandez, Rocio Estefania**; Paez-Margarit, David; Ochoa, Diegi A.; Fernandez, Jose Francisco; Garcia, Jose E. ACS applied materials and interfaces ACS applied materials & interfaces 2021 / p. 20858−20864 https://doi.org/10.1021/acsami.1c03162 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Photocurrent generation in carbon nanotube/cubic-phase 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-Kuusk, Maarja**; Volkov, Vladimir A.; Mudryi, Alexander V.; Martin, Robert W. Journal of Physics D: Applied Physics 2016 / art. 105108 https://doi.org/10.1088/0022-3727/49/10/105108 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Photoluminescence study of deep donor- deep acceptor pairs in 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-Kuusk, Maarja**; Talaikis, Martynas; Tumėnas, Saulius; Suchodolskis, Arturas; Žaltauskas, Raimundas; Sereika, Raimundas ACS Applied Energy Materials 2022 / p. 14769-14778 https://doi.org/10.1021/acsaem.2c02131 Journal metrics at Scopus Article at scopus Journal metrics at WOS Article at Scopus

Physical-chemical interaction in NiAl-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 Kani, Seyed 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**; **Maticiuc, 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
Maticiuc, 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 Cu_2ZnSnS_4/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

Pore distribution and water uptake in a cenosphere-cement paste composite material
Baroninš, Janis; Setina, Jekaterina; Sahmenko, G.; Lagzdina, S.; Shishkin, Andrei 2nd International Conference on Innovative Materials, Structures and Technologies 30 September to 2 October 2015, Riga, Latvia 2015 / art. 012011, 8 p. : ill https://doi.org/10.1088/1757-899X/96/1/012011 Conference proceedings at Scopus Article at Scopus Article at WOS

Porphyrin-based hybrid nanohelices : cooperative effect between molecular and supramolecular chirality on amplified optical activity
Anfar, Zakaria; Kuppan, Balamurugan; Scalabre, Antoine; Nag, Rahul; Pouget, Emilie; Nlate, Sylvain; Magna, Gabriele; Di Filippo, Ilaria; Monti, Donato; Naitana, Mario L.; Stefanelli, Manuela; **Nikonovich, Tatsiana**; **Borovkov, Victor**; **Aav, Riina**; Paolesse, Roberto; Oda, Reiko The journal of physical chemistry B 2024 / p. 1550-1556 https://doi.org/10.1021/acs.jpcb.3c07153 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Positive pressure effect on moisture performance in a school building
Ferrantelli, Andrea; 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 BALTMATTRIB 2019. Selected, peer reviewed papers from the conference Modern Materials and Manufacturing 2019 (MMM 2019), April 24-26, 2019, Tallinn, Estonia 2019 / p. 270-275 : ill https://www.scientific.net/KEM.799.270 https://www.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 and characterization of SbSeI thin films
Dolcet Sadurni, Marc; **Timmo, Kristi**; **Mikli, Valdek**; **Volobujeva, Olga**; **Mengü, Idil**; **Krustok, Jüri**; **Grossberg-Kuusk, Maarja**; **Kauk-Kuusik, Marit** Journal of science: Advanced materials and devices 2024 / art. 100664
https://doi.org/10.1016/j.jsamd.2023.100664 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; **Öpik, Andres**; **Sõritski, Vitali** Reactive and functional polymers 2018 / p. 47-56 https://doi.org/10.1016/j.reactfunctpolym.2018.02.004 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Preparation of cellulose stearate and cellulose acetate stearate in 1-butyl-3-methylimidazolium chloride
Tarasova, Elvira; **Šumigin, Dmitri**; **Kudrjašova, Marina**; **Krumme, Andres** Baltic Polymer Symposium 2013 / p. 105-110 https://doi.org/10.4028/www.scientific.net/KEM.559.105 Conference Proceedings at Scopus Article at Scopus Conference Proceedings at WOS Article at WOS

Preparation of fibril nuclei of beta-amyloid peptides in reverse micelles
Lin, Yen-Ling; Cheng, Yu-Sheng; **Org, Mai-Liis**; **Oss, Andres**; **Samoson, Ago** Chemical communications 2018 / p. 10459–10462 : ill https://doi.org/10.1039/C8CC05882B Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Preparation of fibrous electrospun membranes with activated carbon filler
Krasnou, Illia; **Tarasova, Elvira**; **Malmberg, Siret**; **Vassiljeva, Viktoria**; **Krumme, Andres** IOP conference series : materials science and engineering 2019 / art. 012022, 5 p. : ill https://doi.org/10.1088/1757-899X/500/1/012022 Conference proceedings at Scopus Article at Scopus Article at WOS

Preparation of thermoplastic cellulose esters in [mTBNH][OAC] ionic liquid by transesterification reaction
Tarasova, Elvira; **Savale, Nutan Bharat**; **Krasnou, Illia**; **Kudrjašova, Marina**; Rjabovs, Vitalijs; Reile, Indrek; Vares, Lauri; **Kallakas, Heikko**; Kers, Jaan; **Krumme, Andres** Polymers 2023 / art. 3979 https://doi.org/10.3390/polym15193979 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Principles and methods of servomotor control : comparative analysis and applications
Autsou, Siarhei; **Kudelina, Karolina**; **Vaimann, Toomas**; **Rassõlkin, Anton**; **Kallaste, Ants** Applied sciences 2024 / art. 2579 https://doi.org/10.3390/app14062579 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Procedure for implementing new materials to the component additive method
Mäger, Katrin Nele; **Just, Alar**; Schmid, Joachim; Werther, Norman; Klippel, Michael; Brandon, Daniel; Frangi, Andrea Fire safety 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 (BALTMATTRIB & 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
Tkachivskyi, Dmytro; **Juhani, Kristjan**; **Surženkov, Andrei**; **Kulu, Priit**; **Viljus, Mart**; **Traksmaa, Rainer**; Jankauskas, Vytenis; Leišys, Rimtautas Modern Materials and Manufacturing 2019 : 12th International DAAAM Baltic Conference and 27th International Baltic Conference BALTMATTRIB 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 2017 / p. 105-111 : ill https://www.proceedings.com/content/052/052413webtoc.pdf Conference proceedings at Scopus Article at Scopus

Propolis nanofibers : development and effect against SARS-CoV-2 virus and S. aureus, S. enterica bacteria
Zelca, Zane; **Krumme, Andres**; Kukle, Silvija; **Krasnou, Illia** Materials today chemistry 2023 / art. 101749 https://doi.org/10.1016/j.mtchem.2023.101749 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

ProSe direct discovery : experimental characterization and context-aware heuristic approach to extend public safety networks lifetime
Masood, Ali; **Alam, Muhammad Mahtab**; **Le Moullec, Yannick**; Reggiani, Luca; Scazzoli, Davide; Magarini, Maurizio; Ahmad, Rizwan IEEE Access 2021 / p. 130055 −130071 https://doi.org/10.1109/ACCESS.2021.3112751 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Pulsed laser deposition of chalcogenide sulfides from multi- and single-component targets: the non-stoichiometric material transfer
Schou, Jorgen; Gansukh, Mungunshagai; Ettlinger, Rebecca B.; Cazzaniga, Andrea; **Grossberg, Maarja**; **Kauk-Kuusik, Marit**; Canulescu, Stela Applied physics. A, Materials science & processing 2018 / Art. nr. 78 https://doi.org/10.1007/s00339-017-1475-3 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; Milanes-Montero, Maria Isabel; Husev, Oleksandr; Romero-Cadaval, Enrique IEEE Access 2023 / p. 48007 - 48021 https://doi.org/10.1109/ACCESS.2023.3276235 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

PVD grown SnS thin films onto different substrate surfaces
Revathi, Naidu; **Bereznev, Sergei**; **Iljina, Julia**; **Safonova, Maria**; **Mellikov, Enn**; **Volobujeva, Olga** Journal of materials science : materials in electronics 2013 / p. 4739-4744 : ill https://doi.org/10.1007/s10854-013-1468-8 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Pyrite as prospective absorber material for monograin layer solar cell
Kristmann, Katriin; **Altosaar, Mare**; **Raudoja, Jaan**; **Krustok, Jüri**; **Pilvet, Maris**; **Mikli, Valdek**; **Grossberg, Maarja**; **Danilson, Mati**; **Raadik, Taavi** Thin Solid Films 2022 / art. 139068 : ill https://doi.org/10.1016/j.tsf.2021.139068 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

QSAR of heterocyclic compounds in large descriptor spaces
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 metics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Quasicrystalline composites by additive manufacturing
Prashanth, Konda Gokuldoss; Scudino, Sergio Applied Engineering, Materials and Mechanics III : 4th International Conference on Applied Engineering, Materials and Mechanics (4th ICAEMM 2019) 2019 / p. 72-76 https://doi.org/10.4028/www.scientific.net/KEM.818.72

Conference proceeding at Scopus Article at Scopus

A quasi-static approach to optimize the motion of an UGV depending on the track profile
Corral, Eduardo; **Arjassov, Gennadi**; Meneses, Jesus Mechatronic systems and materials VI 2015 / p. 774-780
https://doi.org/10.4028/www.scientific.net/SSP.220-221.774 Conference proceedings at Scopus Article at Scopus

Query learning-based scheme for pertinent resource lookup in Mobile P2P network
Yeferny, Taoufik; Hamad, Sofian; **Ben Yahia, Sadok** IEEE Access 2019 / art. 6287639, p. 49059-49068
https://doi.org/10.1109/ACCESS.2019.2910117 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Radiative recombination in $Cu_2ZnSnSe_4$ thin films with Cu deficiency and Zn excess
Yakushev, M. V.; Marquez-Prieto, J.; Forbes, I.; Edwards, P. R.; Zhivulko, V. D.; Mudryi, A. V.; **Krustok, Jüri**; Martin, R. W. Journal of physics D : applied physics 2015 / p. 1-7 : ill https://doi.org/10.1088/0022-3727/48/47/475109 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Radiative recombination model for BiSeI microcrystals : unveiling deep defects through photoluminescence
Dolcet Sadurni, Marc; **Krustok, Jüri**; **Timmo, Kristi**; **Mikli, Valdek**; Kondrotas, Rokas; **Grossberg-Kuusk, Maarja**; **Kauk-Kuusik, Marit** Journal of Physics Energy 2024 / art. 045004 https://doi.org/10.1088/2515-7655/ad8377 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Radiative recombination pathways in ordered and disordered CZTSe microcrystals
Mengü, Idil; **Krustok, Jüri**; **Kaupmees, Reelika**; **Mikli, Valdek**; **Kauk-Kuusik, Marit**; **Grossberg-Kuusk, Maarja** Materials chemistry and physics 2023 / art. 127685 https://doi.org/10.1016/j.matchemphys.2023.127685 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Radio resource management scheme in NB-IoT systems
Malik, Hassan; Pervaiz, Haris; **Alam, Muhammad Mahtab**; **Le Moullec, Yannick**; **Kuusik, Alar**; Imran, Muhammad Ali IEEE Access 2018 / p. 15051-15064 : ill https://doi.org/10.1109/ACCESS.2018.2812299 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Raman spectroscopic study of 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 BALTMATTRIB 2019. Selected, peer reviewed papers from the conference Modern Materials and Manufacturing 2019 (MMM 2019), April 24-26, 2019, Tallinn, Estonia 2019 / p. 9-14 https://www.scientific.net/KEM.799.9 https://www.ester.ee/record=b5235278*est
https://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

Reactive extrusion of cellulose esters in ionic liquid: exploring properties and performance across different cellulose types and degrees of polymerization
Tarasova, Elvira; **Krasnou, Illia**; **Enkhsaikhan, Giiguulen**; **Abousharabia, Ibrahim**; **Nunes, Caio César Zandonadi**; **Karthegesu, Darshni**; **Savale, Nutan Bharat**; Kontturi, Eero; **Krumme, Andres** Cellulose 2024 / p. 10223-10240 : ill https://doi.org/10.1007/s10570-024-06203-1 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Reactive sintering of bimodal WC-Co hardmetals
Tarraste, Marek; **Juhani, Kristjan**; **Pirso, Jüri**; **Viljus, Mart** Medžiagotyra = Materials science 2015 / p. 382-385 : ill https://doi.org/10.5755/j01.ms.21.3.7511 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Readiness of small energy markets and electric power grids to global health crises: Lessons from the COVID-19 pandemic
Carmon, David; Navon, Aviad; Machlev, Ram; **Belikov, Juri**; Levron, Yoash IEEE Access 2020 / art. 9139437, p. 127234−127243 https://doi.org/10.1109/ACCESS.2020.3008929 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

A real-time simulation for P2P energy trading using a distributed algorithm
Zahraoui, Younes; **Korõtko, Tarmo**; **Rosin, Argo**; Khalil Zidane, T. E.; Mekhilef, Saad IEEE Access 2024 / p. 44135-44146 https://doi.org/10.1109/ACCESS.2024.3369899 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Recent advances in additive manufacturing of refractory high entropy alloys (RHEAs): A critical review
Yarlapati, Akshaya; Aditya, Y. N.; Kumar, Deepak; Vikram, Raja Jothi; Yadav, Mayank Kumar; Reddy, Kallem Shekharf; **Prashanth, Konda Gokuldoss** Journal of alloys and metallurgical systems 2024 / art. 100120 https://doi.org/10.1016/j.jalmes.2024.100120 Journal metrics at Scopus Article at Scopus

Recent advances in essential oils-based metal nanoparticles : a review on recent developments and biopharmaceutical applications
Sana, Siva Sankar; Li, Huizhen; Zhang, Zhijun; Sharma, Minaxi; Usmani, Zeba; Hou, Tianyu; Netala, Vasudeva Reddy; Wang, Xin; **Gupta, Vijai Kumar** Journal of Molecular Liquids 2021 / Art. nr. 115951 https://doi.org/10.1016/j.molliq.2021.115951 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Recent advances of carbon nanotubes synthesis by the electric arc technique using atomized platinum-group metal catalysts
Truus, Kalle; **Volobujeva, Olga**; **Kaupmees, Reelika**; Tamm, Aile; Rähn, Mihkel; Raid, Raivo; Koppel, Kaida; Tuvikene, Rando Materials Science and Engineering: B 2024 / art. 117121 https://doi.org/10.1016/j.mseb.2023.117121 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Recent contributions, future prospects and limitations of interlinking converter control in hybrid AC/DC microgrids
Najafzadeh, Mahdiyyeh; **Ahmadiahangar, 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**; Külaviir, 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
Mägi, Piret; **Krumme, Andres**; **Pohlak, Meelis** Engineering materials and tribology : selected, peer reviewed papers from the 24th International Baltic Conference on Engineering Materials & Tribology (BALTMATTRIB & IFHTSE 2015), November 5-6, 2015, Tallinn, Estonia 2016 / p. 9-14 : ill https://doi.org/10.4028/www.scientific.net/KEM.674.9 Conference Proceedings at Scopus Article at Scopus

Redox reactivity at silver microparticle-glassy carbon contacts under a coating of polymer of intrinsic microporosity (PIM)
He, Daping; **Rauwel, Erwan**; Malpass-Evans, Richard; Carta, Mariolino Journal of solid state electrochemistry 2017 / p. 2141-2146 :

ill https://doi.org/10.1007/s10008-017-3534-2 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Reduced recombination through the CZTS/CdS interface engineering in monograin layer solar cells
Kauk-Kuusik, Marit; **Timmo, Kristi**; **Muska, Katri**; **Pilvet, Maris**; **Krustok, Jüri**; **Danilson, Mati**; **Mikli, Valdek**; **Josepson, Raavo**; **Grossberg, Maarja** JPhys Energy 2022 / art. 024007 https://doi.org/10.1088/2515-7655/ac618d Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Reduction mechanism of 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; Nasirpouri, 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