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-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

Activation and reactivity of Estonian oil shale cyclone ash towards SO_2 binding
Kaljuvee, Tiit; Trass, Olev; **Pihu, Tõnu**; **Konist, Alar**; **Kuusik, Rein, keemik** Journal of thermal analysis and calorimetry 2015 / p. 19-28 : ill https://doi.org/10.1007/s10973-014-4308-z 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

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 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

Ag nanoparticles on mesoporous carbon support as cathode catalyst for anion exchange membrane fuel cell
Linge, Jonas Mart; Erikson, Heiki; Mooste, Marek; Piirsoo, Helle-Mai; **Kaljuvee, Tiit**; Kikas, Arvo; Aruväli, Jaan; Kisand, Vambola; Tamm, Aile; Kannan, Arunachala Mada; Tammeveski, Kaido International Journal of Hydrogen Energy 2023 / p. 11058-11070 https://doi.org/10.1016/j.ijhydene.2022.12.138 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

AlIIsolutionIprocessed 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

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

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

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

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 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

Analytical approach to investigate the effect of gas channel draft angle on the performance of PEMFC and species distribution
Ahmadi, Nima; **Kõrgesaar, Mihkel** International journal of heat and mass transfer 2020 / art. 119529 https://doi.org/10.1016/j.ijheatmasstransfer.2020.119529 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 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

Annealing of frozen-in defects in ZnO
Nirk, Tiit; **Lott, Kalju**; Seeman, Viktor; **Türn, Leo**; **Viljus, Mart**; **Öpik, Andres** Physica status solidi (c) 2016 / p. 590-593 : ill https://doi.org/10.1002/pssc.201510244 Journal metrics at Scopus Article at Scopus Article at WOS

Application of a DSC based vapor pressure method for examining the extent of ideality in associating binary mixtures with narrow boiling range oil cuts as a mixture component
Siitsman, Carmen; **Oja, Vahur** Thermochimica acta 2016 / p. 24-30 : ill https://doi.org/10.1016/j.tca.2016.05.011 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

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

Armor materials' behavior under repetitive dense plasma shots
Shirokova, Veroonika; Laas, Tõnu; **Mikli, Valdek** Physica scripta 2014 / Art. 014045, 5 p. : ill https://doi.org/10.1088/0031-8949/2014/T161/014045 Conference proceedings at Scopus Article at Scopus Conference proceedings at WOS Article at WOS

Assessing structural bonding aspects of multiband superconductors through impurity-induced local lattice distortions : a case study on MgB2
Pishtshev, Aleksandr; **Klopov, Mihhail** International journal of quantum chemistry 2013 / p. 643-650 : ill https://doi.org/10.1002/qua.24024 Conference Proceedings at Scopus Article at Scopus Conference Proceedings at Scopus Article at Scopus

Assessing the eutrophication status of Estonian marine waters
Stoicescu, Stella-Theresa; **Lips, Urmas**; **Lips, Inga** Фундаментальная и прикладная гидрофизика 2018 / с. 62-74 https://doi.org/10.7868/S2073667318020053 http://hydrophysics.info/wp-content/uploads/2018/06/Stoicescu_%D0%B0.pdf Journal metrics at Scopus Article at Scopus

Assessment of abrasive powder behaviour during impact-abrasive wear of PCD elements
Gomon, Dmitri; **Auriemma, Fabio**; **Antonov, Maksim** Wear 2019 / p. 151-161 : ill https://doi.org/10.1016/j.wear.2019.03.024 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Asymmetric NDI electron transporting SAM materials for application in photovoltaic devices
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 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

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

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

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

Bio-inspired TiB2-TiB-TiN lattices by selective laser melting
Liu, Le; **Minasyan, Tatevik**; **Kamboj, Nikhil**; **Aydinyan, Sofiya**; **Hussainova, Irina** Materials Letters 2020 / art. 128337
https://doi.org/10.1016/j.matlet.2020.128337 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

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

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

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

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

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

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

Characterization of gas-atomized equiatomic AlCoCrFeNi powder for additive manufacturing
Karimi, Javad; **Kollo, Lauri**; **Prashanth, Konda Gokuldoss** Metallurgical and materials transactions A : Physical metallurgy and materials science 2023 / p. 3417-3424 : ill https://doi.org/10.1007/s11661-023-07129-2 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Characterization of organosolv lignins and their application in the preparation of aerogels
Jõul, Piia; **Ho, Tran T.**; **Kallavus, Urve**; **Konist, Alar**; **Leiman, Kristiina**; **Salm, Olivia-Stella**; **Kulp, Maria**; **Koel, Mihkel**; **Lukk, Tiit** Materials 2022 / art. 2861 https://doi.org/10.3390/ma15082861 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

Clustering of floating particles due to submesoscale dynamics : a simulation study for the Gulf of Finland, Baltic Sea
Väli, Germo; Zhurbas, Victor; **Laanemets, Jaan**; **Lips, Urmas** Фундаментальная и прикладная гидрофизика 2018 / с. 21-35 https://doi.org/10.7868/s2073667318020028 http://hydrophysics.info/?p=3685{=en Journal metrics at Scopus Article at Scopus

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

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

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

Comparative study of SnS recrystallization in molten CdI2, SnCl2 and KI
Timmo, Kristi; **Kauk-Kuusik, Marit**; **Pilvet, Maris**; **Mikli, Valdek**; **Kärber, Erki**; **Raadik, Taavi**; **Leinemann, Inga**; **Altosaar, Mare**; **Raudoja, Jaan** Physica status solidi (c) 2016 / p. 8-12 : ill https://doi.org/10.1002/pssc.201510082 Journal metrics at Scopus Article at Scopus Article at WOS

Conjoined structures of carbon nanotubes and graphene nanoribbons
Krasnenko, Veera; Boltruško, Vadim; **Klopov, Mihhail**; Hižnjakov, Vladimir Physica scripta 2014 / 4 p.: ill https://doi.org/10.1088/0031-8949/89/04/044008 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

Coupled thermal analysis of novel alumina nanofibers with ultrahigh aspect ratio
Aghayan, Marina; **Hussainova, Irina**; Gasik, Michael; Kutuzov, Michael; Friman, Michael Thermochimica acta 2013 / p. 140-144 : ill https://doi.org/10.1016/j.tca.2013.10.010 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

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

Cu2ZnSnSe4 formation and reaction enthalpies in molten NaI starting from binary chalcogenides
Leinemann, Inga; **Zhang, Weihao**; **Kaljuvee, Tiit**; **Tõnsuaadu, Kaia**; **Traksmaa, Rainer**; **Raudoja, Jaan**; **Grossberg, Maarja**; **Altosaar, Mare**; **Meissner, Dieter** Journal of thermal analysis and calorimetry 2014 / p. 1313-1321 : ill https://doi.org/10.1007/s10973-014-4102-y 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

DC conductivity of illitic clay after various firing
Kubliha, Marian; Trnovcova, Viera; Ondruška, Jan; Štubna, Igor; Bošak, Ondrej; **Kaljuvee, Tiit**; Bačik, Peter Journal of thermal analysis and calorimetry 2016 / p. 81-86 : ill https://doi.org/10.1007/s10973-015-5129-4 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

Deep reinforcement learning-based digital twin for droplet microfluidics control
Gyimah, Nafisat; **Scheler, Ott**; **Rang, Toomas**; **Pardy, Tamas** Physics of Fluids 2023 / art. 082020 https://doi.org/10.1063/5.0159981 Journal metrics at Scopus Article at Scopus Journal metrics 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

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

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

Dependance of wear of Cu-Cr-S alloy on hardness and electrical conductivity in sliding electrical contact
Kommel, Lembit; **Baroniņš, 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 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 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

Detection of deuterium retention by LIBS at different background pressures
Paris, Peeter; Butikova, J.; Laan, Matti; Aints, Mart; Hakola, A.; Piip, Kaarel; **Tufail, Iram**; Veis, P. Physica scripta 2017 / art. 014003, 5 p. : ill https://doi.org/10.1088/0031-8949/2017/T170/014003 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Determination of natural convection heat transfer coefficient over the fin side of a coil system
Shams Ghahfarokhi, Payam; **Belahcen, Anouar**; **Kallaste, Ants**; **Vaimann, Toomas**; **Rassõlkin, Anton** International journal of heat and mass transfer 2018 / p. 677-682 : ill https://doi.org/10.1016/j.ijheatmasstransfer.2018.05.071 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 experimental set-up for the investigation of photoelectric response of the pyroelectric crystal to short pulses of the Hg(Xe) lamp
Podgurski, Vitali; **Land, Raul**; **Bogatov, Andrei**; Vlasov, A.; Nagorny, A.; Tiik, K. Journal of optoelectronics and advanced materials 2024 / p. 243 - 245 https://joam.inoe.ro/articles/development-of-experimental-set-up-for-the-investigation-of-photoelectric-response-of-the-pyroelectric-crystal-to-short-pulses-of-the-hgxe-lamp/fulltext 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

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

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

Easy to use empirical model for green vegetation reflection spectrum in VIS-NIR range
Udal, Andres; **Jürise, Martin**; **Kaugerand, Jaanus**; **Sell, Raivo** SPIE digital library 2020 / art. 115240H-1–14 https://doi.org/10.1117/12.2570820 Conference proceeding Article at Scopus Article at WOS

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

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 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 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 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

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 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

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 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

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 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 ultrasonic treatment on the defect structure of the Si-SiO2 system
Kropman, Daniel; Seeman, Viktor; Dolgov, Sergei; Medvids, Arturs Physica Status Solidi (C) Current Topics in Solid State Physics 2016 / p. 793 - 797 https://doi.org/10.1002/pssc.201600052 Journal metrics at Scopus Article at Scopus Article at WOS

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

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 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

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

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

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 sensor based on molecularly imprinted polymer for rapid quantitative detection of brain-derived neurotrophic factor
Ayankojo, Akinrinade George; **Boroznjak, Roman**; **Reut, Jekaterina**; **Tuvikene, Jürgen**; **Timmusk, Tõnis**; **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

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

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

Electronic and optical properties of magnesium and calcium hydroxides : the role of covalency and many-body effects
Karazhanov, Smagul Zh.; Pishtshev, Aleksandr; **Klopov, Mihhail** Physica Scripta 2015 / art. 094015 https://doi.org/10.1088/0031-8949/90/9/094015 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Electronic excitations and self-trapping of electrons and holes in CaSO4
Kudrjavtseva, Irina; **Klopov, Mihhail**; Luštšik, Aleksandr Physica scripta 2014 / p. 1-6 : ill https://doi.org/10.1088/0031-8949/89/4/044013 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

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

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

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

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

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 high performance aluminum for microwave filters
Martin-Iglesias, P.; **Raadik, Taavi**; Teberio, F.; Percaz, J.M.; Martin-Iglesias, S.; Pambaguian, L.; Arregui, I.; Laso, M.A.G. 2019 IEEE MTT-S International Microwave Symposium (IMS), Boston, Massachusetts, 2-7 June 2019 : proceedings 2019 / p. 1183-1186 https://doi.org/10.1109/MWSYM.2019.8700938 Conference proceeding at Scopus Article at Scopus 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 vapor pressures of 5-Methylresorcinol derivatives by thermogravimetric analysis
Järvik, Oliver; **Rannaveski, Rivo**; Roo, Eke; **Oja, Vahur** Thermochimica acta 2014 / p. 198-205 : ill https://doi.org/10.1016/j.tca.2014.07.001 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

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

Excitonic emission in heavily Ga-doped zinc oxide films grown on GaN
Shtepliuk, I.; Khranovskyy, D.; Gogova, D.; **Danilson, Mati**; **Krunks, Malle** Journal of luminescence 2020 / art. 117265, 10 p. : ill https://doi.org/10.1016/j.jlumin.2020.117265 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

The experimental and theoretical investigations of damage development and distribution in double-forged tungsten under plasma irradiation-initiated extreme heat loads
Väli, Berit; Laas, Tõnu; Paju, Jana; **Antonov, Maksim** Nukleonika 2016 / p. 169-177 : ill https://doi.org/10.1515/nuka-2016-0029 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Experimental investigations of sound reflection from hot and subsonic flow duct termination
Tiikoja, Heiki; **Lavrentjev, Jüri**; **Rämmal, Hans**; Abom, Mats Journal of sound and vibration 2014 / p. 788-800 : ill https://doi.org/10.1016/j.jsv.2013.09.030 Journal metrics at Scopus Article at Scopus Journal metrics at WOS 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 study of uni- and bi-directional exchange flows in a large scale rotating trapezoidal channel
De Falco, Maria Chiara; Adduce, Claudia; Cuthbertson, Alan; Negretti, Maria Eletta; **Laanearu, Janek**; Malcangio, Daniela; Sommeria, Joel Physics of Fluids 2021 / art. 036602, 17 p. : ill https://doi.org/10.1063/5.0039251 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Exploring different synthesis parameters for the preparation of metal-nitrogen-carbon type oxygen reduction catalysts
Teppor, Patrick; Jäger, Rutha; Härk, Eneli; Sepp, Silver; Kook, Mati; **Volobujeva, Olga**; Paiste, Päärn; Kochovski, Zdravko; Tallo, Indre; Lust, Enn Journal of the Electrochemical Society 2020 / art. 054513 https://doi.org/10.1149/1945-7111/ab7093 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Exploring internally coupled resonator's dynamics and spatial variability in metamaterials for vibration suppression
Alimohammadi, Hossein; Vassiljeva, Kristina; HosseinNia, S. Hassan; **Petlenkov, Eduard** Active and Passive Smart Structures and Integrated Systems XVII 2024 / art. 1294614 https://doi.org/10.1117/12.3024067 Conference Proceedings at Scopus Article at Scopus Article at WOS

Extension of the DSC method to measuring vapor pressures of narrow boiling range oil cuts
Siitsman, Carmen; **Oja, Vahur** Thermochimica acta 2015 / p. 31-37 : ill https://doi.org/10.1016/j.tca.2015.04.011 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

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

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

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 of Ca-Zn-Na phosphate bioceramic material in thermal processing of EDTA sol-gel precursor
Bogdanoviciene, Irma; Cepenko, Marina; **Traksmaa, Rainer**; Kareiva, Aivaras; **Tõnsuaadu, Kaia** Journal of Thermal Analysis and Calorimetry 2015 / p. 107-114 : ill https://doi.org/10.1007/s10973-015-4507-2 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

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

Fractal approach for manufacturing project management
Karaulova, Tatjana; **Poljantšikov, Igor**; **Ševtšenko, Eduard**; **Kramarenko, Sergei** Mechanika 2014 / p. 352-359 : ill https://doi.org/10.5755/j01.mech.20.3.6755 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

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

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 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

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

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

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

Heating rate effect on the thermal behavior of some clays and their blends with oil shale ash additives
Kaljuvee, Tiit; Štubna, Igor; Hulan, Tomaš; **Kuusik, Rein, keemik** Journal of thermal analysis and calorimetry 2017 / p. 33-45 : ill https://doi.org/10.1007/s10973-016-5347-4 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 precision parabolic quantum wells grown using pulsed analog alloy grading technique: Photoluminescence probing and fractional-dimensional space approach
Karaliunas, Mindaugas; Dudutiene, Evelina; Čerškus, Aurimas; Pagalys, Justas; Pūkiene, Simona; **Udal, Andres**; Butkute, Renata; Valušis, Gintaras Journal of luminescence 2021 / art. 118321, 9 p https://doi.org/10.1016/j.jlumin.2021.118321 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

High temperature electrical conductivity in hydrothermally grown ZnO
Lott, Kalju; **Nirk, Tiit**; **Türn, Leo**; **Shinkarenko, Svetlana**; **Öpik, Andres** Physica status solidi (c) 2014 / p. 1481-1484 : ill https://doi.org/10.1002/pssc.201400009 Journal metrics at Scopus Article at Scopus 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-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

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

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-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 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

H-MAS
Samoson, Ago Journal of magnetic resonance 2019 / p. 167-172 : ill https://doi.org/10.1016/j.jmr.2019.07.010 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

Hydrogen states in mixed-cation CuIn(1−x)GaxSe2 chalcopyrite alloys : a combined study by first-principles density-functional calculations and muon-spin spectroscopy
Marinopoulos, Apostolos G.; Vilao, Rui C.; Alberto, Helena Vieira; Ribeiro, E. F. M.; Gil, J. M.; Mengyan, P. W.; Goeks, M. R.; **Kauk-Kuusik, Marit**; Lord, J. S. Philosophical magazine 2021 / p. 2412-2434 https://doi.org/10.1080/14786435.2021.1972178 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

1H line width dependence on MAS speed in solid state NMR - comparison of experiment and simulation
Sternberg, Ulrich; **Witter, Raiker**; Kuprov, Ilya; Lamley, Jonathan M.; **Oss, Andres**; Lewandowski, Jozef R.; **Samoson, Ago** Journal

of magnetic resonance 2018 / p. 32-39 : ill https://doi.org/10.1016/j.jmr.2018.04.003 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

Identification of ship wake structures by a time–frequency method
Torsvik, Tomas; **Soomere, Tarmo**; **Didenkulova, Irina**; Sheremet, Alex Journal of fluid mechanics 2015 / p. 229-251 : ill https://doi.org/10.1017/jfm.2014.734 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 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

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

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

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 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 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 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 some lime-containing additives on the thermal behavior of urea
Klimova, Irina; **Kaljuvee, Tiit**; **Mikli, Valdek**; **Trikkel, Andres** Journal of thermal analysis and calorimetry 2013 / p. 253-258 : ill https://doi.org/10.1007/s10973-012-2244-3 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

The influence of synthesis parameters and thermal treatment on the optical and structural properties of zinc oxide-based nanomaterials
Paltusheva, Zhaniya; Kedruk, Yevgeniya; Gritsenko, Lesya; Tulegenova, Madina; **Sõritski, Vitali**; Abdullin, Khabibulla Physical sciences and technology 2024 / Lk. 49-57 https://doi.org/10.26577/phst2024v11i1a6 Journal metrics at Journal Article at Scopus

Influence of the end-temperature on the oil shale fast pyrolysis process and its products
Maaten, Birgit; **Siirde, Andres**; Vahur, Signe; Kirsimäe, Kalle Journal of thermal analysis and calorimetry 2023 / p. 1647-1655 : ill https://doi.org/10.1007/s10973-022-11567-2 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

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

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

Inkjet-printed hybrid conducting polymer-activated carbon aerogel linear actuators driven in an organic electrolyte
Põldsalu, Inga; Harjo, Madis; Tamm, Tarmo; **Uibu, Mai**; 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

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

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 elastic and inelastic properties of Estonian clay from a locality in Kunda during thermal treatment
Hulan, Tomaš; **Kaljuvee, Tiit**; Štubna, Igor; Trnik, Anton Journal of thermal analysis and calorimetry 2016 / p. 1153-1159 : ill https://doi.org/10.1007/s10973-016-5280-6 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 the causes behind the vibrations of a high-speed solid-rotor induction motor
Sathyan, Sabin; **Belahcen, Anouar**; Lehikoinen, Antti; Aydin, Ugur; Boxberg, Fredrik Journal of sound and vibration 2019 / art. 114976, 14 p https://doi.org/10.1016/j.jsv.2019.114976 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

Iron and cobalt containing electrospun carbon nanofibre-based cathode catalysts for anion exchange membrane fuel cell
Sokka, Andri; Mooste, Marek; Käärik, Maike; **Gudkova, Viktoria**; Kozlova, Jekaterina; Kikas, Arvo; Kisand, Vambola; Treshchalov, Alexey; Tamm, Aile; Paiste, Päärn; Aruväli, Jaan; Leis, Jaan; **Krumme, Andres**; Holdcroft, Steven; Cavaliere, Sara; Jaouen, Frederic; Tammeveski, Kaido International Journal of Hydrogen Energy 2021 / p. 31275-31287
https://doi.org/10.1016/j.ijhydene.2021.07.025 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

Isomers and conformers of complexes of Ti(OiPr)4 with cuclopentane-1,2-dione : NMR study and DFT calculations
Osadchuk, Irina; **Pehk, Tõnis**; **Paju, Anne**; **Lopp, Margus**; **Öeren, Mario**; **Tamm, Toomas** International journal of quantum chemistry 2014 / p. 1012-1018 : ill https://doi.org/10.1002/qua.24619 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

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

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

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 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 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

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

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

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 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 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

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

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

Mechanoelectrical impedance of a carbide-derived carbon-based laminate motion sensor at large bending deflections
Must, Indrek; **Anton, Mart**; Viidalepp, Erki; Põldsalu, Inga; Punning, Andres; Aabloo, Alvo Smart Materials and Structures 2013 / art. 104015 https://doi.org/10.1088/0964-1726/22/10/104015 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

Microcalorimetric study of growth of Lactococcus lactis IL1403 at low glucose concentration in liquids and solid agar gels
Kabanova, Natalja; **Stulova, Irina**; **Vilu, Raivo** Thermochimica acta 2013 / p. 69-75 : ill https://doi.org/10.1016/j.tca.2013.02.013 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 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 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 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 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 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, 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

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

Migration Activity of Heavy Metals During Pyrolysis of Dried Sewage Sludge in a Fixed-Bed Reactor
Gerasimov, G.Y.; **Khaskhachikh, Vladimir**; Sychev, G.A.; Zaichenko, V.M. Journal of engineering physics and thermophysics 2023 / p. 112-119 https://doi.org/10.1007/s10891-023-02667-3 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

A model for confined vortex rings with elliptical-core vorticity distribution
Danaila, Ionut; **Kaplanski, Felix**; Sazhin, Sergei Journal of fluid mechanics 2017 / p. 67-94 : ill https://doi.org/10.1017/jfm.2016.752 Journal metrics at Scopus Article at Scopus Journal metrics at WOS 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 of confined vortex rings
Danaila, Ionut; **Kaplanski, Felix**; Sazhin, Sergei Journal of fluid mechanics 2015 / p. 267-297 : ill https://doi.org/10.1017/jfm.2015.261 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Modelling of internal waves in the Baltic Sea
Kurkin, Andrey; Pelinovsky, Efim; Talipova, Tatyana; **Soomere, Tarmo** Фундаментальная и прикладная гидрофизика 2018 / p. 8-20 https://doi.org/10.7868/S2073667318020016 Journal metrics at Scopus Article at Scopus

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

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

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 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**; **Borozņjak, 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

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

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

A new method for determining average boiling points of oils using a thermogravimetric analyzer : application to unconventional oil fractions
Rannaveski, Rivo; **Järvik, Oliver**; **Oja, Vahur** Journal of thermal analysis and calorimetry 2016 / p. 1679-1688 : ill https://doi.org/10.1007/s10973-016-5612-6 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

A new thermogravimetric application for determination of vapour pressure curve corresponding to average boiling points of oil fractions with narrow boiling ranges
Rannaveski, Rivo; **Oja, Vahur** Thermochimica acta 2020 / art. 178468, 7 p. : ill https://doi.org/10.1016/j.tca.2019.178468 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

Nonlinear wave run-up in bays of arbitrary cross-section : generalization of theCarrier–Greenspan approach
Rybkin, Alexei; Pelinovsky, Efim; Didenkulova, Irina Journal of fluid mechanics 2014 / p. 416-432 : ill https://doi.org/10.1017/jfm.2014.197 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

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

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

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

On solutions of a Boussinesq-type equation with displacement-dependent nonlinearities : the case of biomembranes
Engelbrecht, Jüri; **Tamm, Kert**; **Peets, Tanel** Philosophical magazine 2017 / p. 967-987 : ill
https://doi.org/10.1080/14786435.2017.1283070 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 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 influence of microstructure on heat conduction in solids
Berezovski, Arkadi International journal of heat and mass transfer 2016 / p. 516-520
https://doi.org/10.1016/j.ijheatmasstransfer.2016.07.085 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

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

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

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 spectroscopy methods for the characterization of sol-gel materials
Marques, Ana C.; **Rojas Hernandez, Rocio Estefania**; Almeida, Rui M. Journal of Sol-Gel science and technology 2021 / 43 p. : ill https://doi.org/10.1007/s10971-021-05592-0 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

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

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

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

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

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 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 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

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

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

Peat as a carbon source for non-platinum group metal oxygen electrocatalysts and AEMFC cathodes
Teppor, Patrick; Jäger, Rutha; Paalo, Maarja; Adamson, Anu; Härmas, Meelis; **Volobujeva, Olga**; Aruväli, Jaan; Palm, Rasmus; Lust, Enn International Journal of Hydrogen Energy 2022 / p. 16908 - 16920 https://doi.org/10.1016/j.ijhydene.2022.03.199 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 the explicit Euler and predictor-corrector-based coupling schemes in Monte Carlo burnup calculations of fast reactors
Mickus, Ignas; Dufek, Jan; **Tuttelberg, Kaur** Nuclear technology 2015 / p. 193-198 : ill https://doi.org/10.13182/NT14-48 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

Phenomenological and numerical modelling of short fibre reinforced cementitious composites
Herrmann, Heiko; **Eik, Marika**; Berg, Viktoria; Puttonen, Jari Meccanica 2014 / p. 1985-2000 : ill https://doi.org/10.1007/s11012-014-0001-3 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

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

Piezoelectric compensation of structural damping in metamaterial beams: stability and performance analysis
Alimohammadi, Hossein; **Vassiljeva, Kristina**; HosseinNia, S. Hassan; **Ellervee, Peeter**; **Petlenkov, Eduard** Active and Passive Smart Structures and Integrated Systems XVIII 2024 / art. 129460J, 11 p. : ill https://doi.org/10.1117/12.3024120 Conference proceedings at Scopus Article at Scopus Article at WOS

A PL and PLE study of high Cu content Cu2ZnSnSe4 films on Mo/Glass and solar cells
Sulimov, Mikhail A.; Yakushev, Michael V.; Forbes, I.; Prieto, J.M.; **Krustok, Jüri**; Edwards, P. R.; Martin, R.W. Physics of the solid state 2019 / p. 908-917 https://doi.org/10.1134/S1063783419050214 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

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

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

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

Preface
Lehto, Vesa-Pekka; Lastusaari, Mika; **Kaljuvee, Tiit** Journal of Thermal Analysis and Calorimetry 2015 / p. 3 https://doi.org/10.1007/s10973-015-4728-4 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

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

Purity test of precipitated apatites by TG/DTA/EGA-MS
Tõnsuaadu, Kaia; **Bogdanoviciene, Irma**; **Traksmaa, Rainer** Journal of thermal analysis and calorimetry 2016 / p. 919-925 : ill https://doi.org/10.1007/s10973-016-5447-1 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

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

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 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

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

Reaction enthalpies of $Cu_2ZnSnSe_4$ synthesis in KI
Leinemann, Inga; **Timmo, Kristi**; **Grossberg, Maarja**; **Kaljuvee, Tiit**; **Tõnsuaadu, Kaia**; **Traksmaa, Rainer**; **Altosaar, Mare**; **Meissner, Dieter** Journal of thermal analysis and calorimetry 2015 / p. 1555-1564 : ill https://doi.org/10.1007/s10973-014-4339-5 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Reaction path scans : Aza-Michael reactions of isatin imines
Metsala, Andrus; **Žari, Sergei**; **Kanger, Tõnis** Computational and theoretical chemistry 2017 / p. 30-40 : ill https://doi.org/10.1016/j.comptc.2017.07.014 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

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

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

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

Research on historical bricks from a baroque church
Podoba, Rudolf; **Kaljuvee, Tiit**; Štubna, Igor; Podobnik, Luboš; Bačik, Peter Journal of thermal analysis and calorimetry 2014 / p. 591-595 : ill https://doi.org/10.1007/s10973-013-3417-4 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Review article : recommended reading list of early publications on atomic layer deposition-outcome of the "Virtual Project on the History of ALD"
Ahvenniemi, Esko; Akbashev, Andrew R.; Ali, Saima; **Rauwel, Erwan** Journal of vacuum science & technology A : vacuum, surfaces, and films 2017 / p. 010801-1 - 010801-13 https://doi.org/10.1116/1.4971389 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

A review of particulate-reinforced aluminum matrix composites fabricated by selective laser melting
Wang, Pei; Eckert, Jürgen; **Prashanth, Konda Gokuldoss**; Kaban, Ivan; Xi, L.; Scudino, Sergio Transactions of nonferrous metals society of China 2020 / p. 2001-2034 https://doi.org/10.1016/S1003-6326(20)65357-2 http://tnmsc.csu.edu.cn/paper/paperView.aspx?id=paper_321576 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

A Review on graphene-based electrospun conductive nanofibers, supercapacitors, Anodes, and cathodes for lithium-ion batteries

Javed, Kashif; **Oolo, Marco**; **Savest, Natalja**; **Krumme, Andres** Critical Reviews in Solid State and Materials Sciences 2019 / p. 427-443 : ill https://doi.org/10.1080/10408436.2018.1492367 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Rheological properties of MWCNT-doped titanium-oxo-alkoxide gel materials for fiber drawing
Tätte, Tanel; **Hussainov, Medhat**; Amiri, Mahsa; Vanetsev, Alexander; Paalo, Madis; **Hussainova, Irina** Materials 2022 / art. 1186 https://doi.org/10.3390/ma15031186 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Rheology and dissolution capacity of cellulose in novel [mTBNH][OAc] ionic liquid mixed with green cosolvents
Tarasova, Elvira; **Savale, Nutan Bharat**; **Ausmaa, Peeter**; **Mihkel**; **Krasnou, Illia**; **Krumme, Andres** Rheologica acta 2024 / p. 167-178 https://doi.org/10.1007/s00397-024-01433-3 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Rheology, strength, and durability of concrete and mortar made of recycled calcium silicate masonry
Tuisk, Tanel; **Ilomets, Simo**; **Hain, Tiina**; **Kalbus, Joosep**; **Kalamees, Targo** Materials 2024 / art. 2790 https://doi.org/10.3390/ma17122790 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Role of impinging powder particles on melt pool hydrodynamics, thermal behaviour and microstructure in laser-assisted DED process : A particle-scale DEM – CFD – CA approach
Aggarwal, Akash; Chouhan, Arvind; Patel, Sushil; **Prashanth, Konda Gokuldoss** International journal of heat and mass transfer 2020 / art. 119989, 19 p. : ill https://doi.org/10.1016/j.ijheatmasstransfer.2020.119989 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Saturn-shaped ice burst pattern and fast basal binding of an ice-binding protein from an Antarctic bacterial consortium
Kaleda, Aleksei; Haleva, Lotem; Sarusi, Guy Langmuir 2019 / p. 7337-7346 : ill https://doi.org/10.1021/acs.langmuir.8b01914 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Sb2S3 thin films by ultrasonic spray pyrolysis of antimony ethyl xanthate
Eensalu, Jako Siim; **Tõnsuaadu, Kaia**; **Oja Acik, Ilona**; **Krunks, Malle** Materials science in semiconductor processing 2022 / art. 106209 : ill https://doi.org/10.1016/j.mssp.2021.106209 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Seasonality of submesoscale coherent vortices in the Northern Baltic Proper : a model study
Väli, Germo; Zhurbas, Victor Фундаментальная и прикладная гидрофизика 2021 / p. 122–129 https://doi.org/10.7868/S2073667321030114 Journal metrics at Scopus Article at Scopus

Selective laser melted Ti6Al4V split-P TPMS lattices for bone tissue engineering
Rezapourianghahfarokhi, Mansoureh; Jasiuk, Iwona; **Saarna, Mart**; **Hussainova, Irina** International journal of mechanical sciences 2023 / art. 108353 https://doi.org/10.1016/j.ijmecsci.2023.108353 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Selective laser melting of aluminum and its alloys
Wang, Zhi; **Ummethala, Raghunandan**; **Singh, Neera**; **Prashanth, Konda Gokuldoss** Materials 2020 / art. 4564 : ill https://doi.org/10.3390/ma13204564 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Selective laser melting of Ti6Al4V : effect of laser re-melting
Karimi, Javad; Suryanarayana, Challapalli; Okulov, Ilya; **Prashanth, Konda Gokuldoss** Materials Science and Engineering : A 2021 / art. 140558 https://doi.org/10.1016/j.msea.2020.140558 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Selective photocurrent generation in HfO 2 and carbon nanotube hybrid nanocomposites under Ultra-Violet and visible photoexcitations
Rauwel, Protima; Galeckas, Augustinas; Ducroquet, Frédérique; **Rauwel, Erwan** Materials Letters 2019 / p. 45 - 48 https://doi.org/10.1016/j.matlet.2019.03.030 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Selective photoelectrochemical deposition of polypyrrole onto hydrogenated a-Si for optoelectronic applications
Dosenovicova, Denisa; **Maricheva, Jelena**; Neumüller, Alex; Sergeev, Oleg; **Volobujeva, Olga**; Nasibulin, Albert; **Kois, Julia**; **Öpik, Andres**; **Bereznev, Sergei** Materials science in semiconductor processing 2017 / p. 1-5 : ill https://doi.org/10.1016/j.mssp.2017.05.028 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

SHS-derived powders by reactions' coupling as primary products for subsequent consolidation
Aydinyan, Sofiya; Kharatyan, Suren; **Hussainova, Irina** Materials 2021 / art. 5117 https://doi.org/10.3390/ma14175117 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

SiC JBS diode symmetrical voltage doubler represented as the diffusion-welded stack
Korolkov, Oleg; **Land, Raul**; **Toompuu, Jana**; **Sleptšuk, Natalja**; **Rang, Toomas** Silicon carbide and related materials 2017 :

ICSCRM 2017 : selected, peer reviewed papers from the 2017 International Conference on Silicon Carbide and related materials, September 17-22, 2017, Washington, DC, USA 2018 / p. 862–865 : ill https://doi.org/10.4028/www.scientific.net/MSF.924.862 Conference Proceedings at Scopus Article at Scopus

SIC schottky diode rectifier bridge represented as the diffusion-welded stack
Korolkov, Oleg; Kozlovski, Vitali V.; Lebedev, Alexander A.; **Land, Raul**; **Sleptšuk, Natalja**; **Toompuu, Jana**; **Rang, Toomas** Silicon Carbide and Related Materials 2016 : selected, peer reviewed papers from the 11th European Conference on Silicon Carbide and Related Materials 2016 (ECSCRM 2016), September 25-29, 2016, Halkidiki, Greece 2017 / p. 697-700 : ill https://doi.org/10.4028/www.scientific.net/MSF.897.697 Conference proceedings at Scopus Article at Scopus

Similarity of length scales in high-Reynolds-number wall-bounded flows
Gustenyov, Nikolay; **Egerer, Margit**; Hultmark, Marcus; Smits, Alexander J.; Bailey, Sean C.C. Journal of Fluid Mechanics 2023 / art. A17 https://doi.org/10.1017/jfm.2023.417 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Simulations of heterostructures based on 3C-4H and 6H-4H silicon carbide polytypes
Rashid, Muhammad Haroon; **Koel, Ants**; **Rang, Toomas** Silicon carbide and related materials 2017 : ICSCRM 2017 : selected, peer reviewed papers from the 2017 International Conference on Silicon Carbide and related materials, September 17-22, 2017, Washington, DC, USA 2018 / p. 302-305 : ill https://doi.org/10.4028/www.scientific.net/MSF.924.302 Conference Proceedings at Scopus Article at Scopus

Sintering of high Mn cemented carbides in Mn-rich environment
Tarraste, Marek; **Kübarsepp, Jakob**; **Juhani, Kristjan**; **Kolnes, Märt**; **Viljus, Mart**; **Mere, Arvo** Defect and diffusion forum 2020 / p. 402−407 https://doi.org/10.4028/www.scientific.net/DDF.405.402 Conference proceedings at Scopus Article at Scopus

Sliding wear of composite stainless steel hardfacing under room and elevated temperature
Surženkov, Andrei; **Baroniņš, Janis**; **Viljus, Mart**; **Traksmaa, Rainer**; **Kulu, Priit** Materials Engineering 2017 : selected, peer reviewed papers from the 26th International Baltic Conference on Materials Engineering 2017, October 26-27, Kaunas, Lithuania 2017 / p. 195-200 : ill https://doi.org/10.4028/www.scientific.net/SSP.267.195 Conference proceedings at Scopus Article at Scopus

Sliding wear performance of AlCrN coating on TiB2/Ti composites at high temperatures
Michalczewski, Remigiusz; Kalbarczyk, Marek; Słomka, Zbigniew; Osuch-Słomka, Edyta; Łuszcz, Maciej; **Liu, Le**; **Antonov, Maksim**; **Hussainova, Irina** Materials 2021 / art. 6771 https://doi.org/10.3390/ma14226771 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Sliding wear performance of in-situ spark plasma sintered Ti-TiBw composites at temperatures up to 900 °C
Kumar, Rahul, 1993-; **Antonov, Maksim**; **Liu, Lei**; **Hussainova, Irina** Wear 2021 / art. 203663, 9 p.: ill https://doi.org/10.1016/j.wear.2021.203663 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Solid lubrication at high-temperatures - a review
Kumar, Rahul, 1993-; **Hussainova, Irina**; **Rahmani Ahranjani, Ramin**; **Antonov, Maksim** Materials 2022 / art. 1695 https://doi.org/10.3390/ma15051695 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Solid particle erosion of refractories : A critical discussion of two test standards
Varga, Markus; **Antonov, Maksim**; Tumma, Mike Wear 2019 / p. 552–561 : ill https://doi.org/10.1016/j.wear.2018.12.062 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Solid state processing of aluminum matrix Composites reinforced with nanoparticulate materials
Leparoux, Marc; **Kollo, Lauri**; Kwon, Hansang; **Kallip, Kaspar**; Babu, N. Kishore; AlOgab, Khaled A.; Talari, Mahesh Kumar Advanced engineering materials 2018 / art. 1800401, 18 p.: ill https://doi.org/10.1002/adem.201800401 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Solitons modelled by Boussinesq-type equations
Engelbrecht, Jüri; **Peets, Tanel**; **Tamm, Kert** Mechanics research communications 2018 / p. 62-65 https://doi.org/10.1016/j.mechrescom.2017.05.008 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Solution combustion synthesis of nanostructured molybdenum carbide
Kirakosyan, Hasmik; Nazaretyan, K.T.; Mnatsakanyan, R.A.; **Aydinyan, Sofiya**; Kharatyan, Suren Journal of nanoparticle research 2018 / art. 214, 11 p. : ill https://doi.org/10.1007/s11051-018-4312-5 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Spark erosion in a metal spheres bed : experimental study of the discharge stability and energy efficiency
Kornev, Iakov; Saprykin, Filipp; Lobanova, Galina; Ushakov, Vasily; **Preis, Sergei** Journal of electrostatics 2018 / p. 111-118 : ill https://doi.org/10.1016/j.elstat.2018.10.008 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Spectral properties of incoherent terahertz torch based on parabolic Ga(As,Bi)/AlGaAs quantum wells
Karaliunas, Mindaugas; Pagalys, Justas; Jakštas, Vytautas; Norkus, Ričardas; Urbanowicz, Andrzej; Devenson, Jan; Devenson,

Renata; **Udal, Andres**; Valušis, Gintaras Terahertz Emitters, Receivers, and Applications X : SPIE Optical Engineering + Applacations, 11-15 August 2019, San Diego, California, United States : proceedings SPIE digital library 2019 https://doi.org/10.1117/12.2528428 Conference proceeding at Scopus Article at Scopus Article at WOS

Spray pyrolysis deposition and characterization of highly c-axis oriented hexagonal ZnS nanorod crystals
Dedova, Tatjana; **Gromõko, Inga**; **Krunks, Malle**; **Mikli, Valdek**; **Grossberg, Maarja**; Sildos, Ilmo; Utt, Kathriin; **Vessart, Risto**; **Unt, Tarmo** Crystal research and technology 2015 / p. 85-92 : ill https://doi.org/10.1002/crat.201400172 Conference proceedings at Scopus Article at Scopus Conference proceedings at WOS Article at WOS

Static response and buckling loads of multilayered composite beams using the refined Zigzag theory and Higher-Order Haar Wavelet method
Sorrenti, M.; Di Sciuva, M.; **Majak, Jüri**; Auriemma, Fabio Mechanics of composite materials 2021 / 18 p https://doi.org/10.1007/s11029-021-09929-2 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Stress relaxation mechanism by strain in the Si-SiO2 system and its influence on the interface properties
Kropman, Daniel; Seeman, Viktor; Dolgov, Sergei; Heinmaa, Ivo; Medvid, Artur Physica Status Solidi (C) Current Topics in Solid State Physics 2016 / p. 790 - 792 https://doi.org/10.1002/pssc.201600051 Journal metrics at Scopus Article at Scopus Article at WOS

Structural and compositional properties of CZTS thin films formed by rapid thermal annealing of electrodeposited layers
Lehner, Julia; **Loorits, Mihkel**; **Revathi, Naidu**; **Raadik, Taavi**; **Raudoja, Jaan**; **Grossberg, Maarja**; **Mellikov, Enn**; **Volobujeva, Olga**; **Ganchev, Maxim** Journal of crystal growth 2013 / p. 236-240 : ill https://doi.org/10.1016/j.jcrysgro.2013.06.012 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Structural and optical properties of cadmium sulfide thin films modified by hydrogen annealing
Maticiuc, Natalia; **Hiie, Jaan**; **Mikli, Valdek**; Potlog, Tamara; **Valdna, Vello** Materials science in semiconductor processing 2014 / p. 169-174 : ill https://doi.org/10.1016/j.mssp.2014.04.031 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Structural and optical properties of electrochemically deposited ZnO films in electrolyte containing Al2(SO4)3
Lovchinov, Konstantin; Ganchev, Maxim; Petrov, Miroslav; Nichev, Hristo; Rachkova, Avgustina; Angelov, Orlin; **Mikli, Valdek**; Dimova-Malinovska, Doriana Physica Status Solidi (A) Applications and Materials Science 2013 / p. 743 - 747 https://doi.org/10.1002/pssa.201200558 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Structural properties of ZnO nanopowders synthesized by thermal decomposition
Kedruk, Y. Y.; Paltusheva, Z. U.; Gritsenko, L. V.; **Sõritski, Vitali** Physical sciences and technology 2023 / p. 80-86 https://doi.org/10.26577/phst.2023.v10.i2.010 Journal metrics at Scopus Article at Scopus

Structure and energy of intercrystallite boundaries in graphene
Kolesnikova, Anna; Rozhkov, M. A.; **Hussainova, Irina** Reviews on advanced materials science 2017 / p. 91-98 http://www.ipme.ru/e-journals/RAMS/no_15217/contents.html Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Structure, phase composition, and wear mechanisms of plasma-sprayed NiCrSiB-20wt.% TiB_2 coatings
Umanskii, A.; Storoženko, M.; **Hussainova, Irina**; **Antonov, Maksim** Powder metallurgy and metal ceramics 2015 / p. 663-671 : ill https://doi.org/10.1007/s11106-015-9661-3 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Studies of structural and morphological properties of cuprate conductive ceramics after electrochemical treatment in alkaline electrolyte
Stoyanova-Ivanova, Angelina; Lilov, Peter; Vasev, Alexander; Stoyanova, Antonina; Ivanova, Galia; Karashanova, Daniela; **Mikli, Valdek** Materials chemistry and physics 2020 / art. 121934 https://doi.org/10.1016/j.matchemphys.2019.121934 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Study of point defects in wide- bandgap Cu2CdGeS4 microcrystals by temperature and laser power dependent photoluminescence spectroscopy
Krustok, Jüri; **Raadik, Taavi**; **Li, Xiaofeng**; **Kauk-Kuusik, Marit**; **Timmo, Kristi**; **Oueslati, Souhaib**; **Grossberg, Maarja** Journal of physics D : applied physics 2020 / 10 p. : ill https://doi.org/10.1088/1361-6463/ab83c1 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Study of surface defects in 4H-SiC Schottky diodes using a scanning Kelvin probe
Mizsei, Janos; **Korolkov, Oleg**; **Toompuu, Jana**; **Mikli, Valdek**; **Rang, Toomas** Silicon Carbide and Related Materials 2012 : selected peer reviewed papers from the 9th European Conference on Silicon Carbide and Related Materials (ECSCRM 2012), September 2-6, 2012, St. Petersburg, Russian Federation 2013 / p. 677-680 : ill https://doi.org/10.4028/www.scientific.net/MSF.740-742.677 Conference Proceedings at Scopus Article at Scopus Conference Proceedings at WOS Article at WOS

Study of the optical properties of Sb2(Se1-xSx)3 (x = 0-1) solid solutions
Uslu, Mehmet Ender; Kondrotas, Rokas; Nedzinskas, Ramunas; **Volobujeva, Olga**; **Timmo, Kristi**; **Kauk-Kuusik, Marit**; **Krustok, Jüri**; **Grossberg, Maarja** Materials science in semiconductor processing 2022 / art. 106571 https://doi.org/10.1016/j.mssp.2022.106571

Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Study on photocatalytic activity of ZnO nanoneedles, nanorods, pyramids and hierarchical structures obtained by spray pyrolysis method
Klauson, Deniss; **Gromõko, Inga**; **Dedova, Tatjana**; **Pronina, Natalja**; **Krit̆ševskaja, Marina**; **Budarnaja, Olga**; **Oja Acik, Ilona**; **Volobujeva, Olga**; Sildos, Ilmo; Utt, Kathriin Materials science in semiconductor processing 2015 / p. 315-324 : ill https://doi.org/10.1016/j.mssp.2014.12.012 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

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

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

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

Surface plasmon resonance in ZnO nanorod arrays caused by gold nanoparticles for solar cell application
Gromõko, Inga; **Oja Acik, Ilona**; **Krunks, Malle**; **Dedova, Tatjana**; **Katerski, Atanas**; **Mere, Arvo**; **Mikli, Valdek**; **Vessart, Risto** Physica status solidi (c) 2015 / p. 1338-1343 : ill https://doi.org/10.1002/pssc.201510103 Journal metrics at Scopus Article at Scopus Article at WOS

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

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

Synergistic effect of Ag and MoS2 on high-temperature tribology of self-lubricating NiCrBSi composite coatings by laser metal deposition
Kumar, Rahul, 1993-; **Antonov, Maksim**; Varga, Markus; **Hussainova, Irina**; Rodrlguez Ripoll, Manel Wear 2023 / art. 205114 https://doi.org/10.1016/j.wear.2023.205114 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Synergistic effect of singleIwalled carbon nanotubes and PEDOT:PSS in Thin film amorphous silicon hybrid solar cell
Alekseeva, Alena A.; Rajanna, Pramod M.; Anisimov, Anton S.; Sergeev, Oleg; **Bereznev, Sergei**; Nasibulin, Albert Physica status solidi (b) 2018 / 4 p. : ill https://doi.org/10.1002/pssb.201700557 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Synthesis and characterization of tetrahedrite Cu10Cd2Sb4S13 monograin material for photovoltaic application
Ghisani, Fairouz; **Timmo, Kristi**; **Altosaar, Mare**; **Raudoja, Jaan**; **Mikli, Valdek**; **Pilvet, Maris**; **Kauk-Kuusik, Marit**; **Grossberg, Maarja** Materials science in semiconductor processing 2020 / art. 104973 https://doi.org/10.1016/j.mssp.2020.104973 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Synthesis of Cu2(ZnCd)SnS4 absorber material for monograin membrane applications
Nkwusi, Godswill; **Leinemann, Inga**; **Raudoja, Jaan**; **Mikli, Valdek**; **Kauk-Kuusik, Marit**; **Altosaar, Mare**; **Mellikov, Enn** Materials Research Society symposium proceedings 2014 / 6 p. : ill https://doi.org/10.1557/opl.2014.245 Conference proceedings at Scopus Article at Scopus

Zirconium doped TiO2 thin films deposited by chemical spray pyrolysis
Juma, Albert Owino; **Oja Acik, Ilona**; **Oluwabi, Abayomi Titilope**; **Mere, Arvo**; **Mikli, Valdek**; **Danilson, Mati**; **Krunks, Malle** Applied surface science 2016 / p. 539-545 : ill https://doi.org/10.1016/j.apsusc.2016.06.093 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Tailoring of bound exciton photoluminescence emission in WS2 monolayers

Kaupmees, Reelika; **Grossberg, Maarja**; Ney, Marcel; **Krustok, Jüri** Physica status solidi - rapid research letters 2020 / art. 1900355, 6 p. : ill https://doi.org/10.1002/pssr.201900355 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Technological peculiarities of chromium carbide-based iron alloy bonded cermet
Kolnes, Märt; **Kübarsepp, Jakob**; **Viljus, Mart**; **Traksmaa, Rainer** Materials Engineering 2017 : selected, peer reviewed papers from the 26th International Baltic Conference on Materials Engineering 2017, October 26-27, Kaunas, Lithuania 2017 / p. 82-86 : ill https://doi.org/10.4028/www.scientific.net/SSP.267.82 Conference proceedings at Scopus Article at Scopus

Temperature dependent electrical characterization of thin film Cu2ZnSnSe4 solar cells
Kask, Erkki; **Krustok, Jüri**; Giraldo, Sergio; Neuschitzer, Markus; Lopez-Marino, Simon; Saucedo, E.M. Journal of Physics D: Applied Physics 2016 / art. 085101 https://doi.org/10.1088/0022-3727/49/8/085101 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Temperature dependent electroreflectance study of $Cu_2ZnSnSe_4$ solar cells
Krustok, Jüri; **Raadik, Taavi**; **Grossberg, Maarja**; Giraldo, Sergio; Neuschitzer, Markus; Lopez-Marino, Simon; Saucedo, Edgardo Materials science in semiconductor processing 2015 / p. 251-254 : ill https://doi.org/10.1016/j.mssp.2015.04.055 Journal metrics at Scopus Article at Scopus Article at WOS Article at WOS

Temperature-dependent photoreflectance of SnS crystals
Raadik, Taavi; **Grossberg, Maarja**; **Raudoja, Jaan**; **Traksmaa, Rainer**; **Krustok, Jüri** Journal of physics and chemistry of solids 2013 / p. 1683-1685 : ill https://doi.org/10.1016/j.jpcs.2013.06.002 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Testing Mg as an anode against BiF 3 and SnF 2 cathodes for room temperature rechargeable fluoride ion batteries
Mohammad, Irshad; **Witter, Raiker** Materials Letters 2019 / p. 159 - 162 https://doi.org/10.1016/j.matlet.2019.02.052 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Texture dependent strain hardening in additively manufactured stainless steel 316L
Kumar, Deepak; Shankar, Gyan; **Prashanth, Konda Gokuldoss**; Suwas, Satyam Materials Science and Engineering : A 2021 / art. 141483 https://doi.org/10.1016/j.msea.2021.141483 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

TG-FTIR analysis of oxidation kinetics of some solid fuels under oxy-fuel conditions
Meriste, Tõnis; **Yörük, Can Rüstü**; **Trikkel, Andres**; **Kaljuvee, Tiit**; **Kuusik, Rein, keemik** Journal of thermal analysis and calorimetry 2013 / p. 483-489 : ill https://doi.org/10.1007/s10973-013-3063-x Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

TG-FTIR-/MS analysis of thermal and kinetic characteristics of some coal samples
Kaljuvee, Tiit; **Keelman, Merli**; **Trikkel, Andres**; Petkova, Vilma Journal of thermal analysis and calorimetry 2013 / p. 1063-1071 : ill https://doi.org/10.1007/s10973-013-2957-y Journal metrics at Scopus Article at Scopus journal metrics at WOS Article at WOS

The effect of fine erodent retained on the surface during erosion of metals, ceramics, plastic, rubber and hardmetal
Antonov, Maksim; **Pirso, Jüri**; **Goljandin, Dmitri**; **Vallikivi, Ahto**; **Hussainova, Irina** Wear 2016 / p. 53-68 : ill https://doi.org/10.1016/j.wear.2016.02.018 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

The effect of laser fluences on the structural and optoelectronic properties of Zn(O,Se) films
Abdalla, Akram; **Kärber, Erki**; **Mikli, Valdek**; **Bereznev, Sergei** Materials science in semiconductor processing 2021 / art. 105429, 5 p. : ill https://doi.org/10.1016/j.mssp.2020.105429 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

The effect of nano-TiC addition on sintered Nd-Fe-B permanent magnets
Mural, Zorjana; **Kollo, Lauri**; Xia, Manlong; **Veinthal, Renno** Journal of magnetism and magnetic materials 2017 / p. 23-28 : ill https://doi.org/10.1016/j.jmmm.2016.12.115 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

The effect of tartaric acid in the deposition of Sb2S3 films by chemical spray pyrolysis
Kriisa, Merike; **Krunks, Malle**; **Oja Acik, Ilona**; **Kärber, Erki**; **Mikli, Valdek** Materials science in semiconductor processing 2015 / p. 867-872 : ill https://doi.org/10.1016/j.mssp.2015.07.049 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

The impact of 1-butyl-3-methylimidazolium chloride on electrospinning process of SAN polymer solutions and electrospun fiber morphology
Gudkova, Viktoria; **Krumme, Andres**; **Märtson, Triin**; **Rikko, M.**; **Tarasova, Elvira**; **Viirsalu, Mihkel** Journal of electrostatics 2014 / p. 433-436 : ill https://doi.org/10.1016/j.elstat.2014.08.003 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

The influence of processing parameters on mechanical properties of spark plasma sintered chromium carbide based cermets

Juhani, Kristjan; **Pirso, Jüri**; **Tarraste, Marek**; **Viljus, Mart**; **Letunovitš, Sergei** Materials Engineering 2017 : selected, peer reviewed papers from the 26th International Baltic Conference on Materials Engineering 2017, October 26-27, Kaunas, Lithuania 2017 / p. 162-166 https://doi.org/10.4028/www.scientific.net/SSP.267.162 Conference proceedings at Scopus Article at Scopus

The interplay of long range interactions and electron density distributions in polar and strongly correlated materials
Kristoffel, Nikolai; Pishtshev, Aleksandr; Rubin, Pavel; **Klopov, Mihhail** Journal of superconductivity and novel magnetism 2017 / p. 91-96 : ill https://doi.org/10.1007/s10948-016-3765-y Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

The structure of algebraic solitons and compactons in the generalized Korteweg–de Vries equation
Pelinovsky, Efim; Talipova, Tatyana; **Soomere, Tarmo** Physica D : Nonlinear Phenomena 2021 / art. 132785, 7 p. : ill https://doi.org/10.1016/j.physd.2020.132785 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

The study of firing of a ceramic body made from illite and fluidized bed combustion fly ash
Hulan, Tomaš; Trnik, Anton; **Kaljuvee, Tiit**; **Uibu, Mai**; Štubna, Igor; **Kallavus, Urve**; **Traksmaa, Rainer** Journal of thermal analysis and calorimetry 2017 / p. 79–89 : ill https://doi.org/10.1007/s10973-016-5477-8 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

The template-assisted wet-combustion synthesis of copper oxide nanoparticles on mesoporous network of alumina nanofibers
Aghayan, Marina; **Hussainova, Irina**; Kirakosyan, Khachatur; Rodriguez, Miguel Angel Materials chemistry and physics 2017 / p. 138-146 : ill https://doi.org/10.1016/j.matchemphys.2017.01.068 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Theory and molecular dynamics simulations of intrinsic localized modes and defect formation in solids
Hižnjakov, Vladimir; Haas, Mati; Šelkan, Aleksander; **Klopov, Mihhail** Physica scripta 2014 / p. 1-5 : ill https://doi.org/10.1088/0031-8949/89/04/044003 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Thermal and microstructural analysis of doped alumina nanofibers
Aghayan, Marina; Gasik, Michael; **Hussainova, Irina**; Rubio-Marcos, Fernando; **Kollo, Lauri**; **Kübarsepp, Jakob** Thermochimica acta 2015 / p. 43-48 : ill https://doi.org/10.1016/j.tca.2015.01.009 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Thermal behavior of some Estonian clays and their mixtures with oil shale ash additives
Kaljuvee, Tiit; Štubna, Igor; Somelar, Peeter; **Mikli, Valdek**; **Kuusik, Rein, keemik** Journal of thermal analysis and calorimetry 2014 / p. 891-899 : ill https://doi.org/10.1007/s10973-014-3797-0 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Thermal behaviour of Estonian phosphorites from different deposits
Kaljuvee, Tiit; **Tõnsuaadu, Kaia**; **Traksmaa, Rainer**; **Einard, Marve**; Jefimova, Jekaterina; Petkova, Vilma Journal of thermal analysis and calorimetry 2020 / p. 437-449 https://doi.org/10.1007/s10973-019-09056-0 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Thermal behaviour of precursors for CuInS2 thin films deposited by spray pyrolysis
Oja Acik, Ilona; **Otto, Kairi**; **Krunks, Malle**; **Tõnsuaadu, Kaia**; **Mere, Arvo** Journal of thermal analysis and calorimetry 2013 / p. 1455-1465 : ill https://doi.org/10.1007/s10973-013-3155-7 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Thermal decomposition of tris(O-ethyldithiocarbonato)-antimony(III) - a single-source precursor for antimony sulfide thin films
Eensalu, Jako Siim; **Tõnsuaadu, Kaia**; **Adamson, Jasper**; **Oja Acik, Ilona**; **Krunks, Malle** Journal of thermal analysis and calorimetry 2022 / p. 4899-4913 : ill https://doi.org/10.1007/s10973-021-10885-1 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Thermal decomposition study of HAuCl4·3H2O and AgNO3 as precursors for plasmonic metal nanoparticles
Otto, Kairi; **Oja Acik, Ilona**; **Krunks, Malle**; **Tõnsuaadu, Kaia**; **Mere, Arvo** Journal of thermal analysis and calorimetry 2014 / p. 1065-1072 : ill https://doi.org/10.1007/s10973-014-3814-3 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Thermal transport and thermoelectric effect in composites of alumina and graphene-augmented alumina nanofibers
Saffarshamshirgar, Ali; Belmonte, Manuel; Tewari, Girish C.; **Rojas Hernandez, Rocio Estefania**; Seitsonen, Jani; **Ivanov, Roman**; Karppinen, Maarit; Miranzo, Pilar; **Hussainova, Irina** Materials 2021 / art. 2242 https://doi.org/10.3390/ma14092242 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Thermal, mechanical, and acoustic properties of polydimethylsiloxane filled with hollow glass microspheres
Vlassov, Sergei; **Oras, Sven**; Timusk, Martin; Zadin, Veronika; Tiirats, Tauno; Sosnin, Ilya M.; Lõhmus, Rünno; Linarts, Artis;

Kyritsakis, Andreas; Dorogin, Leonid M. Materials 2022 / art. 1652 : ill https://doi.org/10.3390/ma15051652 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Thermally evolved gases from thiourea complexes of CuCl in air : detailed comparisons by TG-FTIR and TG/DTA-MS for compounds poor and rich in thiourea
Madarasz, Janos; **Krunks, Malle**; Niinistö, Lauri; Pokol, György Journal of thermal analysis and calorimetry 2015 / p. 189-199 : ill https://doi.org/10.1007/s10973-015-4481-8 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Thermoanalytical study of precursors for tin sulfide thin films deposited by chemical spray pyrolysis
Polivtseva, Svetlana; **Oja Acik, Ilona**; **Krunks, Malle**; **Tõnsuaadu, Kaia**; **Mere, Arvo** Journal of thermal analysis and calorimetry 2015 / p. 177-185 : ill https://doi.org/10.1007/s10973-015-4580-6 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Thermochemical characterization of chicken litter and peat as a source for energy recovery
Petkova, Vilma; Serafimova, Ekaterina; **Kaljuvee, Tiit**; Pelovsky, Yoncho Journal of thermal analysis and calorimetry 2013 / p. 683-692 : ill https://doi.org/10.1007/s10973-012-2771-y Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Thermo-oxidation characteristics of oil shale and oil shale char under oxy-fuel combustion conditions
Yörük, Can Rüstü; **Meriste, Tõnis**; **Trikkel, Andres**; **Kuusik, Rein, keemik** Journal of thermal analysis and calorimetry 2015 / p. 509-516 : ill https://doi.org/10.1007/s10973-015-4484-5 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Thermo-swelling behavior of Kukersite oil shale : commercial grade oil shale compared to its kerogen
Oja, Vahur; **Yanchilin, Alexey**; Kan, Tao; Strezov, Vladimir Journal of thermal analysis and calorimetry 2015 / p. 1163-1169 : ill https://doi.org/10.1007/s10973-014-4258-5 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

THz gyrotron and BWO designed for operation in DNP-NMR spectrometer magnet
Bratman, V. L.; Fedotov, A. E.; Kalynov, Yu K.; Makhalov, Petr B.; **Samoson, Ago** Journal of Infrared, Millimeter, and Terahertz Waves 2013 / p. 837 - 846 https://doi.org/10.1007/s10762-013-0024-1 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Ti6Al7Nb-based TiB-reinforced composites by selective laser melting
Singh, Neera; Acharya, S.; **Prashanth, Konda Gokuldoss**; Chatterjee, Kaushik; Suwas, Satyam Journal of materials research 2021 / p. 3691-3700 https://doi.org/10.1557/s43578-021-00238-x Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Ti6Al7Nb–TiB nanocomposites for ortho-implant applications
Singh, Neera; Edachery, Vimal; Rajput, Monika; Chatterjee, Kaushik; Kailas, Satish V.; **Prashanth, Konda Gokuldoss** Journal of materials research 2022 / p. 2525–2535 https://doi.org/10.1557/s43578-022-00578-2 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Tin sulfide films by spray pyrolysis technique using L-cysteine as a novel sulfur source
Polivtseva, Svetlana; **Oja Acik, Ilona**; **Katerski, Atanas**; **Mere, Arvo**; **Mikli, Valdek**; **Krunks, Malle** Physica status solidi (c) 2016 / p. 18-23 : ill https://doi.org/10.1002/pssc.201510098 Journal metrics at Scopus Article at Scopus Article at WOS

Toxicity of nine (doped) rare Earth metal oxides and respective individual metals to aquatic microorganisms Vibrio fischeri and Tetrahymena thermophila
Kurvet, Imbi; **Juganson, Katre**; Vija, Heiki; Sihtmäe, Mariliis; Blinova, Irina; Syvertsen-Wiig, Guttorm; Kahru, Anne Materials 2017 / art. 754, p. 1-18 : ill https://doi.org/10.3390/ma10070754 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Transformation of natural and synthetic dyes in pulsed electric discharge in the granular steel bed
Shiyan, Ludmila; Lobanova, Galina; Yurmazova, Tatyana; Machekhina, Ksenia; **Preis, Sergei** Journal of electrostatics 2018 / p. 90-98 : ill https://doi.org/10.1016/j.elstat.2018.10.003 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Tribological and mechanical properties investigations of post-consumer cotton textiles
Hussain, Abrar; **Podgurski, Vitali**; **Goljandin, Dmitri**; **Viljus, Mart**; **Antonov, Maksim**; **Bogatov, Andrei**; **Krasnou, Illia** Solid state phenomena ; 320 2021 / p. 97-102 https://doi.org/10.4028/www.scientific.net/SSP.320.97 Conference Proceedings at Scopus Article at Scopus

Tribological behavior of carbon nanofibers deposited on hard nanocomposite (nc-Ti1−xAlxN)/(a-Si3N4) coating
Kimmari, Eduard; **Podgurski, Vitali**; Simunin, M.; **Adoberg, Eron**; **Surženkov, Andrei**; **Viljus, Mart**; Hartelt, M.; Wäsche, R.; **Sildos, Ilmo**; **Kulu, Priit** Surface & coatings technology 2013 / p. 21-25 : ill https://doi.org/10.1016/j.surfcoat.2013.03.011 https://www.sciencedirect.com/science/article/pii/S0257897213002636?via%3Dihub Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Tribological behavior of Ni-based self-lubricating claddings containing sulfide of nickel, copper, or bismuth at temperatures up to 600 °C
Kumar, Rahul, 1993-; Torres, Hector; **Aydinyan, Sofiya**; **Antonov, Maksim**; Varga, Markus; **Hussainova, Irina**; Rodrlguez Ripoll, Manel Surface and coatings technology 2023 / art. 129270, 14 p. : ill https://doi.org/10.1016/j.surfcoat.2023.129270 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Tribological characteristics of copper based composites with Al2O3 particles at various temperatures
Hvizdoš, Pavol; Besterci, Michal; **Kulu, Priit**; Kavačkaj, T. High temperature materials and processes 2013 / p. 437-442 https://doi.org/10.1515/htmp-2012-0161 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Tribological performances of ZrC-Ni and TiC-Ni cermet reinforced PTA hardfacings at elevated temperatures
Yung, Der-Liang; **Zikin, Arkadi**; **Hussainova, Irina**; Danninger, Herbert; Badisch, Ewald; Gavrilovic, A. Surface and coatings technology 2017 / p. 497-505 : ill https://doi.org/10.1016/j.surfcoat.2016.11.099 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Ultrafine cemented carbides with cobalt and iron binders prepared via reactive in situ sintering
Tarraste, Marek; **Kübarsepp, Jakob**; **Mere, Arvo**; **Juhani, Kristjan**; **Kolnes, Märt**; **Viljus, Mart** Solid state phenomena ; 320 2021 / p. 176-180 https://doi.org/10.4028/www.scientific.net/SSP.320.176 Conference Proceedings at Scopus Article at Scopus

Ultrasonic imaging of irregularly shaped notches based on elastic reverse time migration
Rao, Jing; Saini, Abhishek; Yang, Jizhong; **Ratassepp, Madis**; Fan, Zheng NDT&E international 2019 / art. 102135, 5 p. : ill https://doi.org/10.1016/j.ndteint.2019.102135 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Understanding fault-tolerance vulnerabilities in advanced SoC FPGAs for critical applications
Cherezova, Natalia; **Shibin, Konstantin**; **Jenihhin, Maksim**; Jutman, Artur Microelectronics reliability 2023 / art. 115010, 10 p. : ill https://doi.org/10.1016/j.microrel.2023.115010 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Unmanned ground vehicle energy efficiency validation in territory surveillance mission
Väljaots, Eero; **Sell, Raivo**; Rimasauskas, Marius Mechatronic Systems and Materials VII 2016 / p. 164-170 https://doi.org/10.4028/www.scientific.net/SSP.251.164 Conference Proceedings at Scopus Article at Scopus

Untersuchung des Strahlverschleißmechanismus von Metallen
Kleis, Ilmar; Uuemõis, Haljand Materialwissenschaft und Werkstofftechnik 1974 / p. 381-389 https://doi.org/10.1002/mawe.19740050707 Journal metrics at Scopus Article at Scopus

Wake waves of a planing boat : an experimental model
Tavakoli, Sasan; Shaghaghi, Poorya; Mancini, Simone; De Luca, Fabio; **Dashtimanesh, Abbas** Physics of Fluids 2022 / Art. nr. 037104 https://doi.org/10.1063/5.0084074 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Vanadium and carbon composite electrocatalyst for oxygen reduction reaction
Zarmehri, Ehsan; Raudsepp, Ragle; **Danilson, Mati**; Šutka, A.; Kruusenberg, Ivar Materials chemistry and physics 2023 / art. 128162, 10 p. : ill https://doi.org/10.1016/j.matchemphys.2023.128162 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Vapor pressure data of nicotine, anabasine and cotinine using differential scanning calorimetry
Siitsman, Carmen; **Kamenev, Inna**; **Oja, Vahur** Thermochimica acta 2014 / p. 35-42 : ill https://doi.org/10.1016/j.tca.2014.08.033 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Wear behavior of ceramic-metal composites as tool material for FSW of copper
Kolnes, Mart; **Kübarsepp, Jakob**; **Sergejev, Fjodor**; **Kolnes, Märt**; **Tarraste, Marek**; **Viljus, Mart** Solid state phenomena ; 320 2021 / p. 144–149 https://doi.org/10.4028/www.scientific.net/SSP.320.144 Conference proceedings at Scopus Article at Scopus

Wear behavior of Co-free hardmetals doped by zirconia and produced by conventional PM and SPS routines
Hussainova, Irina; **Antonov, Maksim**; **Voltšihhin, Nikolai**; **Kübarsepp, Jakob** Wear 2014 / p. 83-90 : ill https://doi.org/10.1016/j.wear.2014.01.014 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Wear behaviour of doped WC–NI based hardmetals tested by four methods
Yung, Der-Liang; **Antonov, Maksim**; **Veinthal, Renno**; **Hussainova, Irina** Wear 2016 / p. 171-179 : ill https://doi.org/10.1016/j.wear.2016.02.015 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Wear performance of hierarchically structured alumina reinforced by hybrid graphene encapsulated alumina nanofibers
Hussainova, Irina; **Baroninš, Janis**; **Drozdova, Maria**; **Antonov, Maksim** Wear 2016 / p. 287-295 : ill https://doi.org/10.1016/j.wear.2016.09.028 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Wear rate of nanocrystalline diamond coating under high temperature sliding conditions
Yashin, Maxim; **Baroninš, Janis**; Menezes, Pradeep; **Viljus, Mart**; **Raadik, Taavi**; **Bogatov, Andrei**; **Antonov, Maksim**;

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. 219-223 : ill
https://doi.org/10.4028/www.scientific.net/SSP.267.219 Conference proceedings at Scopus Article at Scopus

Verifying cache architecture vulnerabilities using a formal security verification flow
Ghasempouri, Tara; **Raik, Jaan**; **Paul, Kolin**; Reinbrecht, Cezar; Hamdioui, Said; Taouil, Mottaqiallah Microelectronics reliability 2021 / art. 114085 https://doi.org/10.1016/j.microrel.2021.114085 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Young's modulus of different illitic clays during heating and cooling stage of firing
Hulan, Tomaš; Štubna, Igor; Ondruška, Jan; **Kaljuvee, Tiit** Materials 2020 / art. 4968, 14 p. : ill https://doi.org/10.3390/ma13214968 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Young's modulus of illitic clay in the temperature region of quartz transition
Hulan, Tomaš; Štubna, Igor; **Kaljuvee, Tiit**; Knapek, Michal Journal of thermal analysis and calorimetry 2022 / p. 7701-7707 https://doi.org/10.1007/s10973-021-11083-9 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

γ and α-(Fe, Ni) phase characterization using image processing and effect of phase formation on the P/M Fe(100-x)Ni(x) alloys properties
Singh, Neera; Pandey, Vaibhav; Srivastava, Gargi; Banerjee, Supriya; Parkash, Om; Kumar, Devendra Materials chemistry and physics 2020 / art. 122794 https://doi.org/10.1016/j.matchemphys.2020.122794 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS