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

Acquisition of O2 adsorption isotherms as thorough characterization of nanocrystalline titanium dioxide photocatalysts
Moiseev, Anna; **Kritševskaja, Marina**; **Preis, Sergei** Surfaces and interfaces 2019 / p. 44-49 : ill https://doi.org/10.1016/j.surfin.2018.11.003 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Adaptation of Laboratory tests for the assessment of wear resistance of drill-bit inserts for rotary-percussive drilling of hard rocks
Saai, Afaf; Bjorge, Ruben; Dahl, Filip; **Antonov, Maksim** Wear 2020 / art. 203366, 10 p. : ill https://doi.org/10.1016/j.wear.2020.203366 Journal metrics at Scopus Article at Scopus Journal metrics ast WOS Article at WOS

Additively manufactured mesostructured MoSi2-Si3N4 ceramic lattice
Minasyan, Tatevik; **Liu, Le**; **Holovenko, Yaroslav**; **Aydinyan, Sofiya**; **Hussainova, Irina** Ceramics international 2019 / p. 9926-9933 https://doi.org/10.1016/j.ceramint.2019.02.035 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

AFM nanoshaving of covalently modified graphite for studying molecular self-assembly under lateral nanoconfinement
Steeno, Roelof; Van Gorp, Hans; **Walke, Peter**; Mali, Kunal S.; De Feyter, Steven Journal of physical chemistry C 2021 / p. 21624-21634 https://doi.org/10.1021/acs.jpcc.1c05700 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Ageing of kesterite solar cells 1 : Degradation processes and their influence on solar cell parameters
Neubauer, Christian; **Samieipour, Ali**; **Oueslati, Souhaib**; **Danilson, Mati**; **Meissner, Dieter** Thin solid films 2019 / p. 595-599 : ill https://doi.org/10.1016/j.tsf.2018.11.043 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Ageing of kesterite solar cells 2 : Impact on photocurrent generation
Samieipour, Ali; **Neubauer, Christian**; **Oueslati, Souhaib**; **Mikli, Valdek**; **Meissner, Dieter** Thin solid films 2019 / p. 509-513 : ill https://doi.org/10.1016/j.tsf.2018.11.044 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

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

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

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

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

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

Atomic layer deposition of aluminaon g-Al2O3 nanofibres
Jõgiaas, Taivo; Arroval, Tõnis; **Kollo, Lauri**; **Hussainova, Irina** Physica status solidi (a) : applications and materials science 2014 /

p. 403-408 : ill https://doi.org/10.1002/pssa.201330083 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Atomic layer deposition of high-k dielectrics on carbon nanoparticles
Tamm, Aile; **Koel, Mihkel**; **Peikolainen, Anna-Liisa** Thin solid films 2013 / p. 16-20 : ill https://doi.org/10.1016/j.tsf.2012.09.071 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

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

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

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 tetrahedrite Cu10Cd2Sb4S13 monograin materials grown in molten CdI2 and LiI
Ghisani, Fairouz; **Timmo, Kristi**; **Altosaar, Mare**; **Mikli, Valdek**; **Pilvet, Maris**; **Kaupmees, Reelika**; **Krustok, Jüri**; **Grossberg, Maarja**; **Kauk-Kuusik, Marit** Thin solid films 2021 / art. 138980 https://doi.org/10.1016/j.tsf.2021.138980 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Comparative analysis of the qualitative characteristics of formaldehyde and acetaldehyde resins based on styrene-modified oil shale alkylresorcinols
Jurkeviciute, Ana; **Grigorieva, Larisa**; **Tõnsuaadu, Kaia**; **Blum, Kristina** Materials research express 2023 / art. 035304, 14 p. : ill https://doi.org/10.1088/2053-1591/acc0e1 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Comparative investigation of microstructure, mechanical properties and strengthening mechanisms of Al-12Si/TiB2 fabricated by selective laser melting and hot pressing
Xi, L. X.; Zhang, H.; Wang, P.; Li, H.C.; **Prashanth, Konda Gokuldoss** Ceramics international 2018 / p. 17635-17642 : ill https://doi.org/10.1016/j.ceramint.2018.06.225 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Comparative 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

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

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

Scopus Conference Proceedings at WOS Article at WOS

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

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

Corrigendum to "Screening and optimization of processing temperature for Sb2Se3 thin film growth protocol: Interrelation between grain structure, interface intermixing and solar cell performance" [Solar Energy Mater. Solar Cell. 225 (2021) 1–13 111045](S092702482100088X)(10.1016/j.solmat.2021.111045)
Spalatu, Nicolae; **Krautmann, Robert**; **Katerski, Atanas**; **Kärber, Erki**; **Josepson, Raavo**; **Hiie, Jaan**; **Oja Acik, Ilona**; **Krunks, Malle** Solar Energy Materials and Solar Cells 2021 / Art. 111098 https://doi.org/10.1016/j.solmat.2021.111098 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Cu-Ni-Sn alloy fabricated by melt spinning and selective laser melting: a comparative study on the microstructure and formation kinetics
Zhao, Chao; Wang, Zhi; Li, Daoxi; **Kollo, Lauri**; Luo, Zongqiang; Zhang, Weiwen; **Prashanth, Konda Gokuldoss** Journal of materials research and technology 2020 / p. 13097−13105 https://doi.org/10.1016/j.jmrt.2020.09.047 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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 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

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

Development of Bi2S3 thin film solar cells by close-spaced sublimation and analysis of absorber bulk defects via in-depth photoluminescence analysis
Koltsov, Mykhailo; **Gopi, Sajeesh Vadakkedath**; **Raadik, Taavi**; **Krustok, Jüri**; **Josepson, Raavo**; Gržibovskis, Raitis; Vembris, Aivars; **Spalatu, Nicolae** Solar energy materials and solar cells 2023 / art. 112292 https://doi.org/10.1016/j.solmat.2023.112292 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

Dynamic chiral cyclohexanohemicucurbit[12]uril
Mishra, Kamini Atindrakumar; **Adamson, Jasper**; **Öeren, Mario**; **Kaabel, Sandra**; **Fomitšenko, Maria**; **Aav, Riina** Chemical communications 2020 / p. 14645−14648 https://doi.org/10.1039/D0CC06817A Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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 absorber surface modification on the optoelectronic properties of Cu2CdGeSe4 solar cells
Li, Xiaofeng; **Pilvet, Maris**; **Timmo, Kristi**; **Grossberg, Maarja**; **Danilson, Mati**; **Mikli, Valdek**; **Kauk-Kuusik, Marit** Thin solid films 2020 / art. 137822, 7 p. : ill https://doi.org/10.1016/j.tsf.2020.137822 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

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

Effect of atomic layer deposited aluminium oxide on mechanical properties of porous silicon carbide
Jõgiaas, Taivo; **Kollo, Lauri**; Kozlova, Jekaterina; Tamm, Aile; **Hussainova, Irina**; Kukli, Kaupo Ceramics international 2015 / p. 7519-7528 : ill https://doi.org/10.1016/j.ceramint.2015.02.074 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Effect of cBN content and additives on sliding and surface fatigue wear of spark plasma sintered Al2O3-cBN composites
Kumar, Rahul, 1993-; **Antonov, Maksim**; Klimczyk, Piotr; **Mikli, Valdek**; **Gomon, Dmitri** Wear 2022 / art. 204250 https://doi.org/10.1016/j.wear.2022.204250 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

Effect of electrode covering composition on the microstructure, wear, and economic feasibility of Fe-C-Cr manual arc-welded hardfacings
Jankauskas, Vytenis; Katinas, Egidijus; Laskauskas, Arturas; **Antonov, Maksim**; Varnauskas, Valentinas; Gedzevičius, Irmantas; Aleknevičiene, Vilija Coatings 2020 / art. 294, 19 p. : ill https://doi.org/10.3390/coatings10030294 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

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

Effect of germanium incorporation on the properties of kesterite Cu2ZnSn(S,Se)4 monograins
Oueslati, Souhaib; Grossberg, Maarja; **Kauk-Kuusik, Marit**; Mikli, Valdek; Ernits, Kaia; Meissner, Dieter; Krustok, Jüri Thin solid films 2019 / p. 315–320 : ill https://doi.org/10.1016/j.tsf.2018.11.020 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

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 loading system inertia on tribological behaviour of ceramic–ceramic, ceramic–metal and metal–metal dry sliding contacts
Antonov, Maksim; **Hussainova, Irina**; **Adoberg, Eron** Tribology international 2013 / p. 207-214 : ill https://doi.org/10.1016/j.triboint.2013.03.025 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Effect of Local Remelting and Recycled WC-Co Composite Reinforcement Size on Abrasive and Erosive Wear of Manual Arc Welded Hardfacings
Katinas, Egidijus; **Antonov, Maksim**; Jankauskas, Vytenis; **Goljandin, Dmitri** Coatings 2023 / art. 734 https://doi.org/10.3390/coatings13040734 Journal metrics at Scopus Article at Scopus Jourrnal metrics at WOS Article at WOS

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

content alloys
Xi, Lixia; Guo, Shuang; **Prashanth, Konda Gokuldoss**; **Sarac, Baran**; **Eckert, Jürgen** Vacuum 2021 / art. 110405 https://doi.org/10.1016/j.vacuum.2021.110405 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Effect of oxidation on erosive wear behaviour of boiler steels
Antonov, Maksim; **Veinthal, Renno**; Huttunen-Saarivirta, E.; **Hussainova, Irina**; **Vallikivi, Ahto**; Lelis, Martynas; **Priss, Jelena** Tribology international 2013 / p. 35-44 : ill https://doi.org/10.1016/j.triboint.2012.09.011 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Effect of preheating and cooling of the powder bed by laser pulse shaping on the microstructure of the TiC based cermets
Maurya, Himanshu Singh; **Kollo, Lauri**; **Juhani, Kristjan**; **Sergejev, Fjodor**; **Prashanth, Konda Gokuldoss** Ceramics international 2022 / p. 20612-20618 https://doi.org/10.1016/j.ceramint.2022.04.029 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

Effect of SiO2 and PTFE additives on dry sliding of NiP electroless coating
Gutsev, D.; **Antonov, Maksim**; **Hussainova, Irina**; Grigoriev, A.Y. Tribology international 2013 / p. 295-302 : ill https://doi.org/10.1016/j.triboint.2012.12.012 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

Effect of Zn:S molar ratio in solution on the properties of ZnS thin films and the formation of ZnS nanorods by spray pyrolysis
Dedova, Tatjana; **Krunks, Malle**; **Gromõko, Inga**; **Mikli, Valdek**; Sildos, Ilmo; Utt, Kathriin; Unt, Tarmo Physica status solidi (a) : applications and materials science 2014 / p. 514-521 : ill https://doi.org/10.1002/pssa.201300215 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

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

Effect of 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

Effects of Ar+ etching of Cu2ZnSnSe4 thin films : An x-ray photoelectron spectroscopy and photoluminescence study
Yakushev, Michael V.; Sulimov, Mikhail A.; Skidchenko, Ekaterina; **Krustok, Jüri** Journal of Vacuum Science & Technology B 2018 / art. 061208, 8 p. : ill https://doi.org/10.1116/1.5050243 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Effects of selenisation temperature on photoluminescence andphotoluminescence excitation spectra of ZnO/CdS/Cu2ZnSnSe4/Mo/glass
Sulimov, Mikhail A.; Yakushev, M. V.; Marquez-Prieto, J.; **Krustok, Jüri** Thin solid films 2019 / p. 146-151 : ill https://doi.org/10.1016/j.tsf.2019.01.002 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Efficiency enhancement of Cu2ZnSnS4 monograin layer solar cells via absorber post-growth treatments
Timmo, Kristi; **Dolcet Sadurni, Marc**; **Pilvet, Maris**; **Muska, Katri**; **Altosaar, Mare**; **Mikli, Valdek**; Atlan, Fabien; Guc, Maxim; Izquierdo-Roca, Victor; **Grossberg-Kuusk, Maarja**; **Kauk-Kuusik, Marit** Solar energy materials and solar cells 2023 / art. 112090 https://doi.org/10.1016/j.solmat.2022.112090 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

Csaki, Štefan; Štubna, Igor; **Kaljuvee, Tiit**; Dobron, Patrik; Lukač, František; Trnik, Anton Journal of materials research and technology 2022 / p. 4164-4173 https://doi.org/10.1016/j.jmrt.2022.11.030 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

Electrochemical sensor based on molecularly imprinted polymer for rapid quantitative detection of brain-derived neurotrophic factor
Ayankojo, Akinrinade George; **Borozniak, Roman**; **Reut, Jekaterina**; **Tuvikene, Jürgen**; **Timmusk, Tõnis**; **Sõritski, Vitali** Sensors and Actuators B: Chemical 2023 / art. 134656 https://doi.org/10.1016/j.snb.2023.134656 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Electrodeposited ZnO morphology transformations under the influence of SeO2 additive: Rods, disks, nanosheets network
Gromõko, Inga; **Dedova, Tatjana**; **Polivtseva, Svetlana**; **Kois, Julia**; Puust, Laurits; Sildos, Ilmo; **Mere, Arvo**; **Krunks, Malle** Thin solid films 2018 / p. 10-15 : ill https://doi.org/10.1016/j.tsf.2017.12.004 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Electronic and structural characterisation of Cu3BiS3 thin films for the absorber layer of sustainable photovoltaics
Yakushev, M.V.; Maiello, P.; **Raadik, Taavi**; **Krustok, Jüri** Thin solid films 2014 / p. 195-199 : ill https://doi.org/10.1016/j.tsf.2014.04.057 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

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 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

Erosive wear resistance of nature-inspired flexible materials
Kumar, Rahul, 1993-; **Antonov, Maksim**; **Holovenko, Yaroslav**; **Surženkov, Andrei** Tribology letters 2020 / art. 51, 8 p. : ill https://doi.org/10.1007/s11249-020-01296-8 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Erratum: Multifractal analysis of high-temperature plasma irradiated tungsten surfaces (Surface Topography: Metrology and Properties (2021) 9 (035030) DOI: 10.1088/2051-672x/ac1dc3)
Martsepp, Merike; Laas, Tõnu; Laas, Katrin; **Priimets, Jaanis**; **Mikli, Valdek**; **Antonov, Maksim** Surface topography : metrology and properties 2023 / art. 029501 https://doi.org/10.1088/2051-672X/acc81c Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

Fabrication of novel SiOxNy/SWCNT laminate-type composite protective coating using low-temperature approach
Shmagina, Elizaveta; **Volobujeva, Olga**; **Nasibulin, Albert**; **Bereznev, Sergei** Ceramics international 2024 / p. 34312-34320

https://doi.org/10.1016/j.ceramint.2024.06.250 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Fast identification of true critical paths in sequential circuits
Ubar, Raimund-Johannes; **Kostin, Sergei**; **Jenihhin, Maksim**; **Raik, Jaan**; **Jürimägi, Lembit** Microelectronics reliability 2018 / p. 252-261 : ill https://doi.org/10.1016/j.microrel.2017.11.027 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Faster magic angle spinning reveals cellulose conformations in woods
Yuan, Eric Chung-Yueh; Huang, Shing-Jong; Huang, Hung-Chia; Sinkkonen, Jari; **Oss, Andres**; **Org, Mai-Liis**; **Samoson, Ago**; Tai, Hwan-Ching; Chan, Jerry Chun Chung Chemical communications 2021 / p. 4110−4113 https://doi.org/10.1039/D1CC01149A Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

First principle calculations of structural, electronic, optical and thermoelectric properties of tin (II) oxide
Solola, G. T.; **Klopov, Mihhail**; Akinami, J. O.; Afolabi, T. A. Materials research express 2019 / art. 125915, 8 p. : ill https://doi.org/10.1088/2053-1591/ab6384 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

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

Formation of 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

Friction and wear of fiber reinforced polyimide composites
Zhao, Gai; **Hussainova, Irina**; **Antonov, Maksim**; Wang, Qihua; Wang, Tingmei Wear 2013 / p. 122-129 : ill https://doi.org/10.1016/j.wear.2012.12.019 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Friction studies of metal surfaces with various 3D printed patterns tested in dry sliding conditions
Holovenko, Yaroslav; **Antonov, Maksim**; **Kollo, Lauri**; **Hussainova, Irina** Proceedings of the Institution of Mechanical Engineers. Part J, Journal of engineering tribology 2018 / p. 43-53 https://doi.org/10.1177/1350650117738920 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Functionalization of gamma-alumina nanofibers by alpha-alumina via solution combustion synthesis
Aghayan, Marina; **Voltšihhin, Nikolai**; Rodriguez, Miguel Angel; Rubio-Marcos, Fernando; **Dong, Minjie**; **Hussainova, Irina** Ceramics international 2014 / p. 12603-12607 : ill https://doi.org/10.1016/j.ceramint.2014.04.087 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

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

Growth and properties of ZnO films on polymeric substrate by spray pyrolysis method
Kriisa, Merike; **Kärber, Erki**; **Krunks, Malle**; **Mikli, Valdek**; **Unt, Tarmo**; **Kukk, Mart**; **Mere, Arvo** Thin solid films 2014 / p. 87-92 : ill https://doi.org/10.1016/j.tsf.2013.05.150 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

High temperature tribological properties of Al2O3/NCD films investigated under ambient air conditions
Podgurski, Vitali; **Yashin, Maxim**; Jõgiaas, Taivo; **Viljus, Mart**; **Alamgir, Asad**; **Danilson, Mati**; **Bogatov, Andrei** Coatings 2020 / art. 175, 13 p. : ill https://doi.org/10.3390/coatings10020175 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article

at WOS

High temperature wear of cermet particle reinforced NiCrBSi hardfacing
Zikin, Arkadi; **Antonov, Maksim**; **Hussainova, Irina** Tribology international 2013 / p. 45-55 : ill https://doi.org/10.1016/j.triboint.2012.08.013 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Highly textured zinc aluminate: Nd, Ce films over sapphire for NIR emitting applications
Rojas Hernandez, Rocio Estefania; Rubio-Marcos, Fernando; Serrano, Aida; Roman-Sanchez, Sara; Fernandez, Jose Francisco; **Hussainova, Irina** Ceramics international 2023 / p. 13125 - 13130 https://doi.org/10.1016/j.ceramint.2022.12.190 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

High-temperature oxidation resistance and tribological properties of Al2O3/ta-C coating
Alamgir, Asad; **Bogatov, Andrei**; Jõgiaas, Taivo; **Viljus, Mart**; **Raadik, Taavi**; **Kübarsepp, Jakob**; **Sergejev, Fjodor**; Lümkemann, Andreas; Kluson, Jan; **Podgurski, Vitali** Coatings 2022 / art. 547 https://doi.org/10.3390/coatings12040547 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

High-temperature tribological performance of Al2O3/a-C:H:Si coating in ambient air
Podgurski, Vitali; **Alamgir, Asad**; **Yashin, Maxim**; Jõgiaas, Taivo; **Viljus, Mart**; **Raadik, Taavi**; **Danilson, Mati**; **Sergejev, Fjodor**; Lümkemann, Andreas; Kluson, Jan; Sondor, Jozef; **Bogatov, Andrei** Coatings 2021 / art. 495, 15 p. : ill https://doi.org/10.3390/coatings11050495 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

High-temperature tribological performance of hard multilayer TiN-AlTiN/nACo-CrN/AlCrN-AlCrO-AlTiCrN coating deposited on WC-Co substrate
Alamgir, Asad; **Yashin, Maxim**; **Bogatov, Andrei**; **Viljus, Mart**; **Traksmaa, Rainer**; Sondor, Jozef; Lümkemann, Andreas; **Sergejev, Fjodor**; **Podgurski, Vitali** Coatings 2020 / art. 909, 10 p. : ill https://doi.org/10.3390/coatings10090909 Journal metrics at WOS Article at Scopus Journal metrics at WOS Article at WOS

HVOF sprayed Fe-Based wear-resistant coatings with carbide reinforcement, synthesized in situ and by mechanically activated synthesis
Tkachivskyi, Dmytro; **Juhani, Kristjan**; **Surženkov, Andrei**; **Kulu, Priit**; **Antonov, Maksim**; **Goljandin, Dmitri** Coatings 2020 / art. 1092, 15 p. : ill https://doi.org/10.3390/coatings10111092 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

Impact of Cu2ZnSn(SexS1-x)4 (x=0.3) compositional ratios on the monograin powder properties and solar cells
Muska, Katri; **Kauk-Kuusik, Marit**; **Grossberg, Maarja**; **Altosaar, Mare**; **Pilvet, Maris**; **Varema, Tiit**; **Timmo, Kristi**; **Volobujeva, Olga**; **Mere, Arvo** Thin solid films 2013 / p. 35-38 : ill https://doi.org/10.1016/j.tsf.2012.10.031 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

The impact of microstructural refinement on the tribological behavior of niobium processed by Indirect Extrusion Angular Pressing
Omranpour Shahreza, Babak; Hernandez-Rodriguez, Marco A. L.; Hernandez-Rodriguez, Edgar; **Kommel, Lembit**; **Sergejev, Fjodor** Tribology international 2022 / art. 107412 https://doi.org/10.1016/j.triboint.2021.107412 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Impact of the selenisation temperature on the structural and optical properties of CZTSe absorbers
Marquez-Prieto, J.; Yakushev, M.V.; Forbes, I.; **Krustok, Jüri** Solar energy materials and solar cells 2016 / p. 42-50 : ill https://doi.org/10.1016/j.solmat.2016.03.018 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Importance of molecular symmetry for enantiomeric excess recognition by NMR
Norvaiša, Karolis; O'Brien, John E.; **Osadchuk, Irina**; Twamley, Brendan; **Borovkov, Victor**; Senge, Mathias O. Chemical communications 2022 / p. 5423-5426 https://doi.org/10.1039/D2CC01319C Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Influence of A-site modifications on the properties of La0.21Sr0.74−xCaxTi0.95Fe0.05O3−δ based fuel electrode for solid oxide cell
Paydar, Sara; Kooser, Kuno; Möller, Priit; **Volobujeva, Olga**; Granroth, Sari; Lust, Enn; Nurk, Gunnar Journal of The Electrochemical Society 2023 / art. 054502, 10 p. : ill https://doi.org/10.1149/1945-7111/acd084 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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 order-disorder in Cu2ZnSnS4 powders on the performance of monograin layer solar cells
Timmo, Kristi; **Kauk-Kuusik, Marit**; **Pilvet, Maris**; **Raadik, Taavi**; **Altosaar, Mare**; **Danilson, Mati**; **Grossberg, Maarja**; **Raudoja, Jaan**; Ernits, Kaia Thin solid films 2017 / p. 122-126 : ill https://doi.org/10.1016/j.tsf.2016.10.017 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Influence of solution composition on sprayed ZnO nanorods properties and formation process: Thermoanalytical study of the precursors
Dedova, Tatjana; **Oja Acik, Ilona**; **Polivtseva, Svetlana**; **Krunks, Malle**; **Gromõko, Inga**; **Tõnsuaadu, Kaia**; **Mere, Arvo** Ceramics international 2019 / p. 2887-2892 : ill https://doi.org/10.1016/j.ceramint.2018.07.274 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Influence of strong carbide-forming elements (Nb and Ta) on the development of the green (Ti, Me)(C,N)-high chromium Fe-based cermets
Maurya, Himanshu Singh; **Juhani, Kristjan**; **Tarraste, Marek**; **Viljus, Mart**; **Kumar, Rahul, 1993-**; **Hussain, Abrar**; **Sergejev, Fjodor**; **Kübarsepp, Jakob** Vacuum 2024 / art. 113723, 12 p https://doi.org/10.1016/j.vacuum.2024.113723 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Influence of the copper content on the optical properties of CZTSe thin films
Yakushev, M. V.; Sulimov, M. A.; Marquez-Prieto, J.; Forbes, I.; **Krustok, Jüri** Solar energy materials and solar cells 2017 / p. 69-77 : ill https://doi.org/10.1016/j.solmat.2017.04.022 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Influence of the interface on the photoluminescence properties in ZnO carbon-based nanohybrids
Rauwel, Erwan; Galeckas, Augustinas; Rosario Soares, M.; **Rauwel, Protima** Journal of physical chemistry C 2017 / p. 14879-14887 : ill https://doi.org/10.1021/acs.jpcc.7b03070 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

Interaction of CuCl2 with poly(ethylene glycol) under microwave radiation
Tverjanovich, Andrey; Grevtsev, A. S.; **Bereznev, Sergei** Materials research express 2017 / art. 015006, p. 1-6 : ill https://doi.org/10.1088/2053-1591/aa52d0 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Intermolecular interaction of thermoresponsive poly‐2‐isopropyl‐2‐oxazoline in solutions and interpolymer complex with fiber‐forming polyethylene oxide
Amirova, Alina; Rodchenko, Serafim; Kurlykin, Mikhail; Tenkovtsev, Andrey; **Krasnou, Illia**; **Krumme, Andres**; Filippov, Alexander Journal of applied polymer science 2020 / art. 49708, 8 p https://doi.org/10.1002/app.49708 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Investigation of influence of conductivity on the polyaniline fiber mats, produced via electrospinning
Varnaite-Žuravliova, Sandra; **Savest, Natalja**; Abraitiene, Aušra; Baltušnikaite-Guzaitiene, Julija; **Krumme, Andres** Materials Research Express 2018 / art. 055308 https://doi.org/10.1088/2053-1591/aac4ea Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

Kesterite monograins for solar cells and water splitting applications
Oueslati, Souhaib; **Pilvet, Maris**; **Grossberg, Maarja**; **Kauk-Kuusik, Marit**; **Krustok, Jüri**; **Meissner, Dieter** Thin solid films 2021 / art. 138981 https://doi.org/10.1016/j.tsf.2021.138981 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Lead and nitrogen co-doped multi-walled carbon nanotube electrocatalyst for oxygen reduction reaction
Zarmehri, Ehsan; Raudsepp, Ragle; Šmits, Krišjānis; Käämbre, Tanel; Šutka, Andris; **Yörük, Can Rüstü**; Zacs, Dzintars; Kruusenberg, Ivar Journal of The Electrochemical Society 2023 / art. 114505, 10 p. : ill https://doi.org/10.1149/1945-7111/ad0072 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Lightweight 3D printed Ti6Al4V-AlSi10Mg hybrid composite for impact resistance and armor piercing shielding
Rahmani Ahranjani, Ramin; **Antonov, Maksim**; Brojan, Miha Journal of materials research and technology 2020 / p. 13842-13854 : ill https://doi.org/10.1016/j.jmrt.2020.09.108 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

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

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

Manganese-substituted kesterite thin-films for earth-abundant photovoltaic applications
Trifiletti, Vanira; Frioni, Luigi; Tseberlidis, Giorgio; Vitiello, Elisa; **Danilson, Mati**; **Grossberg, Maarja**; Acciarri, Maurizio; Binetti, Simona; Marchionna, Stefano Solar energy materials and solar cells 2023 / art. 112247, 13 p. : ill https://doi.org/10.1016/j.solmat.2023.112247 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

Manufacturing of silicon – Bioactive glass scaffolds by selective laser melting for bone tissue engineering
Rodrigo-Vazquez, C. Sara; **Kamboj, Nikhil Kumar**; Aghayan, Marina; Saez, Ada; De Aza, Antonio de; Rodriguez, Miguel Angel; **Hussainova, Irina** Ceramics international 2020 / p. 26936-26944 : ill https://doi.org/10.1016/j.ceramint.2020.07.171 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Mapping of impact-abrasive wear performance of WC-Co cemented carbides
Antonov, Maksim; **Veinthal, Renno**; **Yung, Der-Liang**; **Katušin, Dmitri**; **Hussainova, Irina** Wear 2015 / p. 971-978 : ill https://doi.org/10.1016/j.wear.2015.02.031 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

Metal oxide nanoparticles embedded in rare-earth matrix for low temperature thermal imaging applications
Rauwel, Erwan; Galeckas, Augustinas; **Rauwel, Protima**; Hansen, P.-A.; Wragg, David; Nilsen, Ola; Fjellvag, H. Materials research express 2016 / p. 1-11 : ill https://doi.org/10.1088/2053-1591/3/5/055010 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

Microstructure and high temperature tribological behaviour of self-lubricating Ti-TiBx composite doped with Ni-Bi
Kumar, Rahul, 1993-; Torres, Hector; **Aydinyan, Sofiya**; **Antonov, Maksim**; Varga, Markus; Rodrlguez Ripoll, Manel; **Hussainova, Irina** Surface and coatings technology 2022 / art. 128827 https://doi.org/10.1016/j.surfcoat.2022.128827 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Microstructure and mechanical performances of NiCoFeAlTi high-entropy intermetallic reinforced CoCrFeMnNi high-entropy alloy composites manufactured by selective laser melting
Yang, Hong; Ma, Pan; Zhang, Zhiyu; Xie, Xiaochang; Yang, Ping; Zhang, Han; Jia, Yandong; **Prashanth, Konda Gokuldoss** Journal of materials research and technology 2024 / p. 6275-6287 https://doi.org/10.1016/j.jmrt.2024.11.022 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Microstructure and mechanical properties of AlCoCrFeMnNi HEAs fabricated by selective laser melting
Ma, Pan; Fang, Yacheng; Wei, Shuimiao; Zhang, Zhiyu; Yang, Hong; Wan, Shiguang; **Prashanth, Konda Gokuldoss**; Jia, Yandong Journal of materials research and technology 2023 / p. 7090-7100 https://doi.org/10.1016/j.jmrt.2023.07.124 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

Microwave synthesis of B4C nanopowder for subsequent spark plasma sintering
Davtyan, D.; Mnatsakanyan, R.A.; **Liu, Le**; **Aydinyan, Sofiya**; **Hussainova, Irina** Journal of materials research and technology 2019 / p. 5823-5832 : ill https://doi.org/10.1016/j.jmrt.2019.09.052 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Mild steel tribology for circular economy of textile industries
Hussain, Abrar; **Podgurski, Vitali**; **Goljandin, Dmitri**; **Antonov, Maksim**; Basit, Muhammad Abdul; Ahmad, Tahir Tribology in Industry 2021 / p. 552-560 https://doi.org/10.24874/ti.1050.02.21.04 Journal metrics at Scopus Article at Scopus

Modeling of microstructures and analysis of abrasive wear of arc-welded Hadfield steel
Jankauskas, Vytenis; Choteborsky, R.; **Antonov, Maksim**; Katinas, Egidijus Journal of friction and wear 2018 / p. 78-84 : ill https://doi.org/10.3103/S1068366618010142 Journal metrics at Scopus Article at Scopus Article at WOS

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**; **Boroznjak, Roman**; **Öpik, Andres**; **Sõritski, Vitali** Sensors and actuators B : chemical 2018 / p. 766-774 : ill https://doi.org/10.1016/j.snb.2017.11.194 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Multifractal analysis of high-temperature plasma irradiated tungsten surfaces
Martsepp, Merike; Laas, Tõnu; Laas, Katrin; **Priimets, Jaanis**; **Mikli, Valdek**; **Antonov, Maksim** Surface topography : metrology and properties 2021 / 13 p. : ill https://doi.org/10.1088/2051-672X/ac1dc3 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

A multifunctional strontium/silver-co-substituted hydroxyapatite derived from biogenic source as antibacterial biomaterial
Ressler, Antonia; Ivanković, Tomislav; Polak, Bruno; Ivanišević, Irena; Kovačić, Marin; Urlić, Inga; **Hussainova, Irina**; Ivanković, Hrvoje Ceramics International 2022 / p. 18361 - 18373 https://doi.org/10.1016/j.ceramint.2022.03.095 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Multilayered core-shell structure of polyol-stabilized calcium fluoride nanoparticles characterized by NMR
Witter, Raiker; Roming, Marcus; Feldmann, Claus; Ulrich, Anne S. Journal of Colloid and Interface Science 2013 / p. 250 - 257 https://doi.org/10.1016/j.jcis.2012.09.001 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

Nanostructural evolution in mesoporous networks using in situ high-speed temperature scanner
Kamboj, Nikhil Kumar; **Aghayan, Marina**; Rubio-Marcos, Fernando; Nazaretyan, Khachatur; Rodriguez, Miguel Angel; Kharatyan, Suren; **Hussainova, Irina** Ceramics international 2018 / p. 12265-12272 : ill https://doi.org/10.1016/j.ceramint.2018.04.010 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Nanostructured fluorite-type fluorides as electrolytes for fluoride ion batteries
Rongeat, Carine; Reddy, M. Anji; **Witter, Raiker**; Fichtner, Maximilian Journal of Physical Chemistry C 2013 / p. 4943 - 4950 https://doi.org/10.1021/jp3117825 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

Non-aldehyde resins based on resorcinol and natural alkylresorcinols modified with styrene
Jurkeviciute, Ana; **Grigorieva, Larisa**; **Tõnsuaadu, Kaia**; **Yashicheva, Tamara**; Bondarev, Dmitrij Materials research express 2023 / art. 105301 https://doi.org/10.1088/2053-1591/acfd12 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

Novel homogeneous gel fibers and capillaries from blend of titanium tetrabutoxide and siloxane functionalized ionic liquid
Tarkanovskaja, Marta; Välbe, Raul; **Krumme, Andres** Ceramics international 2014 / p. 7729-7735 : ill https://doi.org/10.1016/j.ceramint.2013.12.114 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Novel silicon-wollastonite based scaffolds for bone tissue engineering produced by selective laser melting
Kamboj, Nikhil Kumar; Aghayan, Marina; Rodrigo-Vazquez, Sara; Rodriguez, Miguel Angel; **Hussainova, Irina** Ceramics International 2019 / p. 24691-24701 : ill https://doi.org/10.1016/j.ceramint.2019.08.208 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

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

Optical and photoelectric properties of nanolamellar structures obtained by thermal annealing of InSe plates in Zn vapours
Untila, Dumitru; Evtodiev, Igor; Caraman, Iuliana; **Spalatu, Nicolae**; Dmitroglo, Liliana; Caraman, Mihail Physica status solidi (a) : applications and materials science 2018 / art. 1700434, p. 1-7 : ill https://doi.org/10.1002/pssa.201700434 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Optical and structural properties of orthorhombic and tetragonal polymorphs of Cu2CdGeSe4
Grossberg, Maarja; **Raadik, Taavi**; **Krustok, Jüri**; **Kauk-Kuusik, Marit**; **Timmo, Kristi**; **Kaupmees, Reelika**; **Mikli, Valdek**; **Mere, Arvo** Thin solid films 2018 / p. 44-47 https://doi.org/10.1016/j.tsf.2018.09.031 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Optical spectroscopy studies of $Cu_2ZnSnSe_4$ thin films
Yakushev, M. V.; Forbes, I.; Mudryi, A. V.; **Grossberg, Maarja**; **Krustok, Jüri**; **Beattie, N. S.**; Moynihan, M.; Rockett, A.; Martin, R. W.

Thin solid films 2015 / p. 154-157 : ill https://doi.org/10.1016/j.tsf.2014.09.010 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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 electroreduction on platinum nanoparticles activated electrodes deposited onto D-glucose derived carbon support in 0.1 M KOH
Taleb, Masoud; Nerut, Jaak; Tooming, Tauno; Thomberg, Thomas; Lust, Enn Journal of The Electrochemical Society 2016 / p. F1251-F1257 https://doi.org/10.1149/2.1051610jes Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

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

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

Phase transformations in porous materials studied by in situ solid-state NMR spectroscopy and in situ X-ray diffraction
Paula, Carolin; Wisser, Dorothea; Rangus, Mojca; **Vanatalu, Kalju**; **Oss, Andres**; **Org, Mai-Liis**; **Samoson, Ago**; Hartmann, M. The journal of physical chemistry C 2020 / p. 19136−19145 : ill https://doi.org/10.1021/acs.jpcc.0c05921 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

A phenotypic approach to probing cellular outcomes using heterobivalent constructs
Bhadoria, Rohit; **Ping, Kefeng**; **Lohk, Christer**; **Järving, Ivar**; **Starkov, Pavel** Chemical Communications 2020 / p. 4216 - 4219
https://doi.org/10.1039/c9cc09595k https://pubs.rsc.org/en/content/articlelanding/2020/cc/c9cc09595k Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Photo-assisted electrodeposition of polypyrrole back contact to CdS/CdTe solar cell structures
Jarkov, Aleksandr; **Bereznev, Sergei**; **Volobujeva, Olga**; **Traksmaa, Rainer**; Tverjanovich, Andrey; **Öpik, Andres**; **Mellikov, Enn** Thin solid films 2013 / p. 198-201 : ill https://doi.org/10.1016/j.tsf.2013.01.064 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Photoelectrochemical properties and band positions of Cd-substituted tetrahedrite Cu10Cd2Sb4S13 monograin materials grown in molten CdI2 and LiI
Ghisani, Fairouz; **Timmo, Kristi**; **Altosaar, Mare**; Oueslati, Souhaib; **Pilvet, Maris**; **Kauk-Kuusik, Marit** Thin Solid Films 2022 / art. 139030 https://doi.org/10.1016/j.tsf.2021.139030 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

Plasmon resonance effect caused by gold nanoparticles formed on titanium oxide films
Tamm, Aile; **Oja Acik, Ilona**; **Krunks, Malle**; **Mere, Arvo** Thin solid films 2016 / p. 449-455 : ill https://doi.org/10.1016/j.tsf.2016.08.059

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

Plasmonic effect of spray-deposited Au nanoparticles on the performance of CSS CdS/CdTe solar cells
Spalatu, Nicolae; **Hiie, Jaan**; **Maticiuc, Natalia**; **Krunks, Malle**; **Katerski, Atanas**; **Mikli, Valdek**; Sildos, Ilmo Applied surface science 2015 / p. 69-73 : ill https://doi.org/10.1016/j.apsusc.2015.04.065 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Plasmonic modification of CdTe thin films by gold nanoparticles : methods, difficulties and solutions
Maticiuc, Natalia; **Spalatu, Nicolae**; **Katerski, Atanas**; **Hiie, Jaan**; **Mikli, Valdek**; **Krunks, Malle**; Dolgov, Leonid; Sildos, Ilmo Microelectronic engineering 2014 / p. 173-178 : ill https://doi.org/10.1016/j.mee.2014.07.016 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Plasmonic TiO2:Au composite layers deposited in situ by chemical spray pyrolysis
Oja Acik, Ilona; **Oyekoya, Gboyega Nathaniel**; **Mere, Arvo**; Loot, Ardi; Dolgov, Leonid; **Mikli, Valdek**; **Krunks, Malle**; Sildos, Ilmo Surface and coatings technology 2015 / p. 27-31 : ill https://doi.org/10.1016/j.surfcoat.2015.01.036 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

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

Post-deposition thermal treatment of sprayed SnS films
Polivtseva, Svetlana; **Katerski, Atanas**; **Kärber, Erki**; **Oja Acik, Ilona**; **Mere, Arvo**; **Mikli, Valdek**; **Krunks, Malle** Thin solid films 2017 / p. 179-184 : ill https://doi.org/10.1016/j.tsf.2017.01.014 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Post-growth annealing effect on the performance of Cu2ZnSnSe4 monograin layer solar cells
Kauk-Kuusik, Marit; **Altosaar, Mare**; **Muska, Katri**; **Pilvet, Maris**; **Raudoja, Jaan**; **Timmo, Kristi**; **Varema, Tiit**; **Grossberg, Maarja**; **Mellikov, Enn**; **Volobujeva, Olga** Thin solid films 2013 / p. 18-21 : ill https://doi.org/10.1016/j.tsf.2012.11.075 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

Properties of Cu-Sb-Se thin films deposited by magnetron co-sputtering for solar cell applications
Penežko, Aleksei; **Kauk-Kuusik, Marit**; **Volobujeva, Olga**; **Grossberg, Maarja** Thin solid films 2021 / art. 139004 https://doi.org/10.1016/j.tsf.2021.139004 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

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

Raman spectroscopy for reliability assessment of multilayered AlCrN coating in tribo-corrosive conditions [Online resource]
Baroninš, Janis; **Antonov, Maksim**; **Bereznev, Sergei**; **Raadik, Taavi**; **Hussainova, Irina** Coatings 2018 / art. 229, 12 p. : ill https://doi.org/10.3390/coatings8070229 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Rapid thermal processing of Kesterite thin films
Ganchev, Maxim; Spasova, Stanka; **Raadik, Taavi**; **Mere, Arvo**; **Altosaar, Mare**; **Mellikov, Enn** Coatings 2023 / art. 1449 https://doi.org/10.3390/coatings13081449 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

Residual stresses on various PVD hard coatings on tube and plate substrates
Lille, Harri; Ryabchikov, Alexander; **Peetsalu, Priidu**; **Lind, Liina**; **Sergejev, Fjodor**; **Mikli, Valdek**; **Kübarsepp, Jakob** Coatings 2020 / art. 1054, 11 p https://doi.org/10.3390/coatings10111054 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

Rippling on wear scar surfaces of nanocrystalline diamond films after reciprocating sliding against ceramic balls
Podgurski, Vitali; Hantschel, Thomas; **Bogatov, Andrei**; **Kimmari, Eduard**; **Antonov, Maksim**; **Viljus, Mart**; **Mikli, Valdek**; **Raadik, Taavi**; **Kulu, Priit** Tribology letters 2014 / p. 493-501 : ill https://doi.org/10.1007/s11249-014-0379-z Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Role of A-site (Sr), B-site (Y), and A, B sites (Sr, Y) substitution in lead-free BaTiO3 ceramic compounds : structural, optical, microstructure, mechanical, and thermal conductivity properties
Tihtih, Mohammed; Ibrahim, Jamal Eldin F. M.; Basyooni, Mohamed A.; Kurovics, Emese; Belaid, Walid; **Hussainova, Irina**; **Kocserha, Istvan** Ceramics international 2023 / p. 1947-1959 https://doi.org/10.1016/j.ceramint.2022.09.160 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

The role of Cl in the chemical bath on the properties of CdS thin films
Maticiuc, Natalia; **Hiie, Jaan**; **Raadik, Taavi**; **Graf, Aleksandr**; **Gavrilov, Aleksei** Thin solid films 2013 / p. 184-187 : ill https://doi.org/10.1016/j.tsf.2012.11.107 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Screening and optimization of processing temperature for Sb2Se3 thin film growth protocol : interrelation between grain structure, interface intermixing and solar cell performance
Spalatu, Nicolae; **Krautmann, Robert**; **Katerski, Atanas**; **Kärber, Erki**; **Josepson, Raavo**; **Hiie, Jaan**; **Oja Acik, Ilona**; **Krunks, Malle** Solar energy materials and solar cells 2021 / art. 111045, 13 p. : ill https://doi.org/10.1016/j.solmat.2021.111045 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Selective laser melting of a novel 13Ni400 maraging steel : material characterization and process optimization
Patil, Viraj Vishwas; Mohanty, Chinmaya P.; **Prashanth, Konda Gokuldoss** Journal of materials research and technology 2023 / p. 3979-3995 https://doi.org/10.1016/j.jmrt.2023.10.193 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Selective laser melting of AlCoCrFeMnNi high entropy alloy : effect of heat treatment
Fang, Yacheng; Ma, Pan; Wei, Shuimiao; Zhang, Zhiyu; Yang, Dongye; Yang, Hong; Wan, Shiguang; **Prashanth, Konda Gokuldoss**; Jia, Yandong Journal of materials research and technology 2023 / p. 7845-7856 https://doi.org/10.1016/j.jmrt.2023.09.121 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Selective laser melting of TiB2-Ti composite with high content of ceramic phase
Liu, Le; **Minasyan, Tatevik**; **Ivanov, Roman**; **Aydinyan, Sofiya**; **Hussainova, Irina** Ceramics international 2020 / p. 21128-21135 https://doi.org/10.1016/j.ceramint.2020.05.189 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Simple access to β-trifluoromethyl-substituted ketones via copper-catalyzed ring-opening trifluoromethylation of substituted cyclopropanols
Kananovich, Dzmitry; Konik, Yulia A.; Zubrytski, Dzmitry M.; **Järving, Ivar**; **Lopp, Margus** Chemical communications 2015 / p. 8349-8352 : ill https://doi.org/10.1039/c5cc02386f Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

Sliding wear 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 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

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

Solution combustion synthesis of MnFeCoNiCu and (MnFeCoNiCu)3O4 high entropy materials and sintering thereof
Aydinyan, Sofiya; Kirakosyan, Hasmik; Sargsyan, Armen; **Volobujeva, Olga**; Kharatyan, Suren Ceramics International 2022 / p. 20294-20305 : ill https://doi.org/10.1016/j.ceramint.2022.03.310 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

Spark plasma sintered ZrC-Mo cermets : influence of temperature and compaction pressure
Yung, Der-Liang; **Antonov, Maksim**; **Hussainova, Irina** Ceramics international 2016 / p. 12907-12913 : ill https://doi.org/10.1016/j.ceramint.2016.05.059 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Spark plasma sintering of molybdenum silicides synthesized from oxide precursors
Ovali, Didem; Tarraste, Marek; Kaba, Mertcan; Agaogullari, Duygu; **Kollo, Lauri**; **Prashanth, Konda Gokuldoss**; Lütfi Övecoglu, M. Ceramics international 2021 / p. 13827-13836 : ill https://doi.org/10.1016/j.ceramint.2021.01.248 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Specific energy modeling of abrasive cut off operation based on sliding, plowing, and cutting
Awan, Muhammad Rizwan; Gonzalez-Rojas, Hernan Alberto; Perat Benavides, Jose I.; Hameed, Saqib; **Hussain, Abrar**; Sanchez Egea, Antonio J. Journal of materials research and technology 2022 / p. 3302-3310 https://doi.org/10.1016/j.jmrt.2022.03.185 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Structural analysis of selective laser melted copper-tin alloy
Rahmani Ahranjani, Ramin; Resende, Pedro R.; Couto, Ruben; Lopes, Sérgio Ivan; Kumar, Rahul, 1993-; **Maurya, Himanshu Singh**; Karimi, Javad; Afonso, Alexandre M.; **Hussain, Abrar**; Abrantes, Joao C. C. Journal of alloys and metallurgical systems 2024 / art. 100097 https://doi.org/10.1016/j.jalmes.2024.100097 Journal metrics at Scopus Article at Scopus

Structural and electrical characterisation of high-k ZrO2 thin films deposited by chemical spray pyrolysis method
Oluwabi, Abayomi Titilope; **Oja Acik, Ilona**; **Katerski, Atanas**; **Mere, Arvo**; **Krunks, Malle** Thin Solid Films 2018 / p. 129 - 136 https://doi.org/10.1016/j.tsf.2018.07.035 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

Structural and optoelectronic properties of CdCl2 activated CdTe thin films modified by multiple thermal annealing
Spalatu, Nicolae; **Krunks, Malle**; **Hiie, Jaan** Thin solid films 2017 / p. 106-111 : ill https://doi.org/10.1016/j.tsf.2016.09.042 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Study of Cu2CdGeSe4 monograin powders synthesized by molten salt method for photovoltaic applications
Kauk-Kuusik, Marit; **Li, Xiaofeng**; **Pilvet, Maris**; **Timmo, Kristi**; **Grossberg, Maarja**; **Raadik, Taavi**; **Danilson, Mati**; **Mikli, Valdek**; **Altosaar, Mare**; **Krustok, Jüri**; **Raudoja, Jaan** Thin solid films 2018 / p. 15-19 https://doi.org/10.1016/j.tsf.2018.09.025 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Study of 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 structural and optoelectronic properties of $Cu_2Zn(Sn_{1-x}Ge_x)Se_4$ (x = 0 to 1) alloy compounds
Grossberg, Maarja; **Timmo, Kristi**; **Raadik, Taavi**; **Kärber, Erki**; **Mikli, Valdek**; **Krustok, Jüri** Thin solid films 2015 / p. 176-179 : ill https://doi.org/10.1016/j.tsf.2014.10.055 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Study of the structure and optoelectronic properties of Cu2Ge(SexS1-x)3 microcrystalline powders
Li, Xiaofeng; **Timmo, Kristi**; **Grossberg, Maarja**; **Pilvet, Maris**; **Kaupmees, Reelika**; **Krustok, Jüri**; **Muska, Katri**; **Mikli, Valdek**; **Kauk-Kuusik, Marit** Thin solid films 2022 / art. 139053, 6 p. : ill https://doi.org/10.1016/j.tsf.2021.139053 Journal metrics at Scopus

Article at Scopus Journal metrics at WOS Article at WOS

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

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

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

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

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

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

Synthesis and characterisation of Cu2ZnSnSe4 thin films prepared via a vacuum evaporation-based route
Volobujeva, Olga; **Bereznev, Sergei**; **Raudoja, Jaan**; **Otto, Kairi**; **Pilvet, Maris**; **Mellikov, Enn** Thin solid films 2013 / p. 48-51 : ill https://doi.org/10.1016/j.tsf.2012.12.080 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Synthesis and optical properties of Ga2O3 nanowires grown on GaS substrate
Leontie, Liviu; Sprincean, Veaceslav; Untila, Dumitru; **Spalatu, Nicolae** Thin solid films 2019 / art. 137502, 6 p. : ill https://doi.org/10.1016/j.tsf.2019.137502 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Synthesis of Ni@SiO2 and Co@SiO2 nanomagnets after formation of NiO and Co2O3 nanoparticles at low temperatures using CaH2
Volokhova, Maria; Boldin, Aleksei; Link, Joosep; Tsujimoto, Masahiko; Stern, Raivo; Seinberg, Liis Journal of materials research and technology 2022 / p. 988-992 : ill https://doi.org/10.1016/j.jmrt.2021.12.042 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Synthesis of Ti2AlC MAX phase and Ti2C MXene by activated combustion
Aydinyan, Sofiya Ceramics international 2024 / p. 12263-12269 https://doi.org/10.1016/j.ceramint.2024.01.130 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

ZnO/TiO2/Sb2S3 core-shell nanowire heterostructure for extremely thin absorber solar cells
Parize, Romain; **Katerski, Atanas**; **Gromõko, Inga**; Rapenne, Laetitia; Roussel, Hervé; **Kärber, Erki**; Appert, Estelle; **Krunks, Malle**; Consonni, Vincent Journal of physical chemistry C 2017 / p. 9672-9680 : ill https://doi.org/10.1021/acs.jpcc.7b00178 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

ZrC+TiC synergically reinforced metal matrix composites with micro/nanoscale reinforcements prepared by laser powder

bed fusion
Xi, Lixia; Feng, Lili; Gu, Dongdong; Wang, Ruiqi; Sarac, Baran; **Prashanth, Konda Gokuldoss**; Eckert, Jürgen Journal of materials research and technology 2022 / p. 4645-4657 https://doi.org/10.1016/j.jmrt.2022.06.149 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Temperature dependent current transport properties in Cu_2ZnSnS_4 solar cells
Danilson, Mati; **Kask, Erkki**; **Pokharel, Nikhil**; **Grossberg, Maarja**; **Kauk-Kuusik, Marit**; **Varema, Tiit**; **Krustok, Jüri** Thin solid films 2015 / p. 162-165 : ill https://doi.org/10.1016/j.tsf.2014.10.069 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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 CdTe solar cells
Raadik, Taavi; **Krustok, Jüri**; **Josepson, Raavo**; **Hiie, Jaan**; Potlog, Tamara; **Spalatu, Nicolae** Thin solid films 2013 / p. 279-282 : ill https://doi.org/10.1016/j.tsf.2012.12.083 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Temperature dependent optical and electrical characterization of SnS/CdS solar cell
Raadik, Taavi; **Spalatu, Nicolae**; **Krustok, Jüri**; **Josepson, Raavo**; **Grossberg, Maarja** Thin Solid Films 2022 / art. 139069 https://doi.org/10.1016/j.tsf.2021.139069 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Temperature-induced wear micro-mechanism transition in additively deposited nickel alloys with different solid lubricants
Kumar, Rahul, 1993-; **Hussainova, Irina**; **Antonov, Maksim**; Maurya, Himanshu Singh; Rodríguez Ripoll, Manel Wear 2024 / art. 205452 https://doi.org/10.1016/j.wear.2024.205452 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Template-controlled synthesis of chiral cyclohexylhemicucurbit[8]uril
Prigorchenko, Elena; **Öeren, Mario**; **Kaabel, Sandra**; **Fomitšenko, Maria**; Reile, Indrek; **Järving, Ivar**; **Tamm, Toomas**; Topic, Filip; Rissanen, Kari; **Aav, Riina** Chemical communications 2015 / p. 10921-10924 : ill https://doi.org/10.1039/c5cc04101e Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

The cost-effective deposition of ultra-thin titanium(IV) oxide passivating layers for improving photoelectrochemical activity of SnS electrodes
Kois, Julia; **Polivtseva, Svetlana**; **Bereznev, Sergei** Thin solid films 2019 / p. 152-156 : ill https://doi.org/10.1016/j.tsf.2018.12.047 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 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 impact resistance of highly densified metal alloys manufactured from gas-atomized pre-alloyed powders
Rahmani Ahranjani, Ramin; **Antonov, Maksim**; **Prashanth, Konda Gokuldoss** Coatings 2021 / art. 216, 14 p. : ill https://doi.org/10.3390/coatings11020216 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Thermal deformation behavior and microstructural evolution of the rapidly-solidified Al–Zn–Mg–Cu alloy in hot isostatic pressing state
Zhang, Z.; Cong, H.; Yin, Z.; Qi, B.; Dong, Y.; Kong, L.; Li, H.; **Prashanth, Konda Gokuldoss** Journal of materials research and technology 2024 / p. 5927-5939 https://doi.org/10.1016/j.jmrt.2024.04.235 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

To grind or not to grind? The influence of mechanical and thermal treatments on the Cu/Zn disorder in Cu2ZnSn(SxSe1-x)4 monograins
Gurieva, Galina; Rotaru, Victoria; Ernits, Kaia; Siminel, Nichita A.; Manjón-Sanz, Alicia; Kirkham, Melanie J.; Perez-Rodriguez, Alejandro; Guc, Maxim; **Meissner, Dieter**; Schorr, Susan Solar Energy Materials and Solar Cells 2022 / Art. 112009 https://doi.org/10.1016/j.solmat.2022.112009 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

Transition metal-containing nitrogen-doped nanocarbon catalysts derived from 5-methylresorcinol for anion exchange membrane fuel cell application
Kisand, Kaarel; Sarapuu, Ave; Danilian, Dmytro; Kikas, Arvo; Kisand, Vambola; Rähn, Mihkel; Treshchalov, Alexey; Käärik, Maike; Merisalu, Maido; **Paiste, Päärn** Journal of colloid and interface science 2021 / p. 263-274 https://doi.org/10.1016/j.jcis.2020.09.114 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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 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

Tribological properties of selective laser melted Al12Si alloy
Rathod, H.J.; Nagaraju, T.; **Prashanth, Konda Gokuldoss**; Ramamurty, U. Tribology international 2019 / p. 94-101 : ill https://doi.org/10.1016/j.triboint.2019.04.038 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

Up-conversion enhancement in Er3+ / Yb3+ doped 1-D microcavity based on alternating aluminosilicate glass and titania sol-gel layers
Rojas Hernandez, Rocio Estefania; Santos, Luis F.; Almeida, Rui M. Ceramics international 2020 / p. 26273-26281 https://doi.org/10.1016/j.ceramint.2019.12.248 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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 Cr3C2-Ni cermet reinforced hardfacings
Bendikiene, Regita; Ciuplys, Antanas; Sertvytis, Rolandas; **Surženkov, Andrei**; **Tkachivskyi, Dmytro**; **Viljus, Mart**; **Traksmaa, Rainer**; **Antonov, Maksim**; **Kulu, Priit** Journal of materials research and technology 2020 / p. 7068-7078 : ill https://doi.org/10.1016/j.jmrt.2020.05.042 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 resistance of (Diamond-Ni)-Ti6Al4V gradient materials prepared by combined selective laser melting and spark plasma sintering techniques
Rahmani Ahranjani, Ramin; **Antonov, Maksim**; **Kollo, Lauri** Advances in tribology 2019 / art. 5415897, 12 p. : ill https://doi.org/10.1155/2019/5415897 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

Visible light-assisted instability of kesterite Cu2ZnSnS4 : what are the implications?
Kois, Julia; **Polivtseva, Svetlana**; Mamedov, Damir; Samieipour, Ali; Karazhanov, S. Zh. Solar energy materials and solar cells

2020 / art. 110384, 10 p https://doi.org/10.1016/j.solmat.2019.110384 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

XPS study of OH impurity in solution processed CdS thin films
Maticiuc, Natalia; **Katerski, Atanas**; **Danilson, Mati**; **Krunks, Malle**; **Hiie, Jaan** Solar energy materials and solar cells 2017 / p. 211-216 : ill https://doi.org/10.1016/j.solmat.2016.10.040 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS