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

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

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

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

Antimicrobial particles based on Cu2ZnSnS4 monograins
Žalneravicius, Rokas; Pakštas, Vidas; Grinciene, Giedre; Klimas, Vaclovas; Paškevicius, Algimantas; **Timmo, Kristi**; **Kauk-Kuusik, Marit**; Franckevicius, Marius; Niaura, Gediminas; Talaikis, Martynas; Jagminas, Arunas; Ramanavicius, Arunas Colloids and Surfaces B: Biointerfaces 2023 / art. 113275 https://doi.org/10.1016/j.colsurfb.2023.113275 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

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

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

Comment on "Solitons in the Heimburg-Jackson model of sound propagation in lipid bilayers are enabled by dispersion of a stiff membrane" by M. Drab et al.
Peets, Tanel; **Tamm, Kert**; **Engelbrecht, Jüri** The European physical journal E 2023 / art. 34 https://doi.org/10.1140/epje/s10189-023-

00299-2 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

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

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

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 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 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 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 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 structure of polycyclic aromatic substrates on solubilization capacity and size of cationic monomeric and gemini 14-s-14 surfactant aggregates
Serdyuk, Anna A.; Mirgorodskaya, Alla B.; **Kapitanov, Illia**; **Gathergood, Nicholas**; **Karpichev, Yevgen** Colloids and surfaces A : physicochemical and engineering aspects 2016 / p. 613-622 : ill https://doi.org/10.1016/j.colsurfa.2016.09.068 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 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

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

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

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

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

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

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

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

Growth and 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

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

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

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

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

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

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

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

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

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

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

Physicochemical properties and esterolytic reactivity of oxime functionalized surfactants in pH-responsive mixed micellar system
Kapitanov, Illia; Mirgorodskaya, Alla B.; Valeeva, Farida G.; **Gathergood, Nicholas**; **Karpichev, Yevgen** Colloids and surfaces A : physicochemical and engineering aspects 2017 / p. 143-159 : ill https://doi.org/10.1016/j.colsurfa.2017.04.039 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 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

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

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

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

Regulation of electron bunch arrival time for a continuous-wave linac : exploring the application of the H2 mixed-sensitivity problem
Maalberg, Andrei; Kuntzsch, Michael; Zenker, Klaus; **Petlenkov, Eduard** Physical Review Accelerators and Beams 2023 / art. 072801, 13 p. : ill https://doi.org/10.1103/PhysRevAccelBeams.26.072801 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

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

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

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

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

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 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

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

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

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/NiO heterostructures with enhanced photocatalytic activity obtained by ultrasonic spraying of a NiO shell onto ZnO nanorods
Chen, Zengjun; **Dedova, Tatjana**; **Spalatu, Nicolae**; Maticiuc, Natalia; Rusu, Marin; **Katerski, Atanas**; **Oja Acik, Ilona**; Unold, Thomas; **Krunks, Malle** Colloids and surfaces A : physicochemical and engineering aspects 2022 / art. 129366 https://doi.org/10.1016/j.colsurfa.2022.129366 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 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

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 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

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

UVA-induced antimicrobial activity of ZnO/Ag nanocomposite covered surfaces
Visnapuu, Meeri; **Rosenberg, Merilin**; **Truska, Egle**; Nõmmiste, Ergo; Šutka, Andris; Kahru, Anne; Rähn, Mihkel; Vija, Heiki; Orupõld, Kaja; Kisand, Vambola; Ivask, Angela Colloids and Surfaces B: Biointerfaces 2018 / p. 222-232 https://doi.org/10.1016/j.colsurfb.2018.05.009 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