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

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

Acoustic study of novel eco-friendly material for vehicle NVH applications
Rämmal, Hans; **Lavrentjev, Jüri** Materials today: proceedings 2020 / p. 2331-2337 https://doi.org/10.1016/j.matpr.2020.04.632 Conference proceedings at Scopus Article at Scopus Article at WOS

Adaptive Extended Kalman Filter position estimation based on Ultra-Wideband Active-Passive Ranging Protocol
Laadung, Taavi; Ulp, Sander; **Fjodorov, Aleksei**; **Alam, Muhammad Mahtab**; **Le Moullec, Yannick** IEEE Access 2023 / p. 92575-92588 https://doi.org/10.1109/ACCESS.2023.3308696 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Adaptive virtual inertia-damping system based on model predictive control for low-inertia microgrids
Fawzy, Asmaa; **Bakeer, Abualkasim Ahmed Ali**; **Magdy, Gaber**; Atawi, Ibrahem E.; Roshdy, Mohamed IEEE Access 2021 / p. 109718 - 109731 https://doi.org/10.1109/ACCESS.2021.3101887 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Additive manufacturing : alloy design and process innovations
Prashanth, Konda Gokuldoss; Wang, Zhi Materials 2020 / art. 542, 2 p https://doi.org/10.3390/ma13030542 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Additive manufacturing of a martensitic Co–Cr–Mo alloy : Towards circumventing the strength–ductility trade-off
Wang, Zhi; Tang, S.Y.; Scudino, Sergio; Ivanov, Y.P.; Qu, R.T.; Wang, D.; Yang, C.; Zhang, W.W.; Greer, A.L.; Eckert, Juergen H.; **Prashanth, Konda Gokuldoss** Additive Manufacturing 2021 / art. 101725 https://doi.org/10.1016/j.addma.2020.101725 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Additive manufacturing of CoCrFeMnNi high-entropy alloy/AISI 316L stainless steel bimetallic structures
Sokkalingam, Rathinavelu; Chao, Zhao; Sivaprasad, Katakam; Muthupandi, Veerappan; Jayaraj, Jayamani; Ramasamy, Parthiban; Eckert, Jürgen; **Prashanth, Konda Gokuldoss** Advanced engineering materials 2023 / art. 2200341 https://doi.org/10.1002/adem.202200341 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Additive manufacturing of TiC-based cermet with stainless steel as a binder material
Maurya, Himanshu Singh; **Juhani, Kristjan**; **Sergejev, Fjodor**; **Prashanth, Konda Gokuldoss** Materials today: proceedings 2022 / p. 824-828 https://doi.org/10.1016/j.matpr.2022.02.428 Conference proceeding at Scopus Article at Scopus Article at WOS

Adhesion of single-walled carbon nanotube thin films with different materials
Rajanna, Pramod M.; Luchkin, Sergey; Larionov, Konstantin; Grebenko, Artem; Popov, Zakhar; Sorokin, Pavel; **Danilson, Mati**; **Bereznev, Sergei**; Lund, Peter D.; Nasibulin, Albert The journal of physical chemistry letters 2020 / p. 504−509 https://doi.org/10.1021/acs.jpclett.9b03552 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

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

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

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

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

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

Amorphous Zn(O,Se) buffer layer for Cu(In,Ga)Se2 thin film solar cells
Abdalla, Akram; **Danilson, Mati**; **Oueslati, Souhaib**; **Pilvet, Maris**; **Bereznev, Sergei** Materials science in semiconductor processing 2021 / art. 105862 https://doi.org/10.1016/j.mssp.2021.105862 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

An integrated electroactive polymer sensor-actuator : design, model-based control, and performance characterization
Hunt, Andres; Chen, Zheng; Tan, K.; **Kruusmaa, Maarja** Smart materials and structures 2016 / art. 035016, p. 1-16 : ill https://doi.org/10.1088/0964-1726/25/3/035016 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

Analysis of grain orientation and defects in Sb2Se3 solar cells fabricated by close-spaced sublimation : [journal article]
Krautmann, Robert; **Spalatu, Nicolae**; Gunder, Rene; Abou-Ras, Daniel; Unold, Thomas; Schorr, Susan; **Krunks, Malle**; **Oja Acik, Ilona** Solar energy 2021 / p. 494-500 https://doi.org/10.1016/j.solener.2021.07.022 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

Annealing effect on CdS films : transition from glass to ITO
Maticiuc, Natalia; **Hiie, Jaan** IOP conference series : materials science and engineering 2013 / p. 1-4 : ill https://doi.org/10.1088/1757-899X/49/1/012061 Conference Proceedings at Scopus Article at Scopus Article at WOS

Annealing of Al-Zn-Mg-Cu alloy at high pressures : evolution of microstructure and the corrosion behavior
Suo, Chuanjun; Ma, Pan; Jia, Yandong; Liu, Xiao; Shi, Xuerong; Yu, Zhishui; **Prashanth, Konda Gokuldoss** Materials 2021 / art. 2076, 17 p. : ill https://doi.org/10.3390/ma14082076 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Antibacterial activity of positively and negatively charged hematite (α-fe2 o3) nanoparticles to escherichia coli, staphylococcus aureus and vibrio fischeri
Vihodceva, Svetlana; Šutka, Andris; Sihtmäe, Mariliis; **Rosenberg, Merilin**; Otsus, Maarja; Kurvet, Imbi; Smits, Krisjanis; Bikse, Liga; Kahru, Anne; Kasemets, Kaja Nanomaterials 2021 / p. 1-26 https://doi.org/10.3390/nano11030652 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Application of HOHWM for vibration analysis of nanobeams
Kirs, Maarjus; **Eerme, Martin**; Bassir, David; **Tungel, Ernst** Modern Materials and Manufacturing 2019 : 12th International DAAAM Baltic Conference and 27th International Baltic Conference BALTMATTRIB 2019. Selected, peer reviewed papers from the conference Modern Materials and Manufacturing 2019 (MMM 2019), April 24-26, 2019, Tallinn, Estonia 2019 / p. 230-235 https://www.scientific.net/KEM.799.230 https://www.ester.ee/record=b5235278*est https://doi.org/10.4028/www.scientific.net/KEM.799.230 Conference proceeding at Scopus Article at Scopus

Applying RIS-based communication for collaborative computing in a swarm of drones
Rahbari, Dadmehr; **Alam, Muhammad Mahtab**; **Le Moullec, Yannick**; **Jenihhin, Maksim** IEEE Access 2023 / p. 70093−70109 https://doi.org/10.1109/ACCESS.2023.3293737 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

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

https://doi.org/10.1002/pssr.202300482 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Au/Ga2O3/ZnO heterostructure nanorods arrays for effective photoelectrochemical water splitting
Abdalla, Akram; Khan, Ibrahim; Sohail, Manzar; Qurash, Ansanulhaq Solar energy 2019 / p. 333-338 : ill https://doi.org/10.1016/j.solener.2019.01.065 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Automatic generation control of a future multisource power system considering high renewables penetration and electric vehicles: Egyptian Power System in 2035
Nour, Morsy; Magdy, Gaber; Chaves-Avila, Jose Pablo; Sanchez-Miralles, Alvaro; **Petlenkov, Eduard** IEEE Access 2022 / p. 51662-51681 : ill https://doi.org/10.1109/ACCESS.2022.3174080 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Average residual stresses in hard Physical Vapor Deposited (PVD) coatings
Lille, Harri; Ryabchikov, Alexander; Kõo, Jakub; **Mikli, Valdek**; **Adoberg, Eron**; **Vagiström, Heinar**; **Kübarsepp, Jakob**; **Peetsalu, Priidu** Modern Materials and Manufacturing 2019 : 12th International DAAAM Baltic Conference and 27th International Baltic Conference BALTMATTRIB 2019. Selected, peer reviewed papers from the conference Modern Materials and Manufacturing 2019 (MMM 2019), April 24-26, 2019, Tallinn, Estonia 2019 / p. 20-25 : ill https://doi.org/10.4028/www.scientific.net/KEM.799.20 https://www.scientific.net/KEM.799.20 https://www.ester.ee/record=b5235278*est Conference proceeding at Scopus Article at Scopus

Band gap engineering by cationic substitution in Sn(Zr1−xTix)Se3 alloy for bottom sub-cell application in solar cells
Kondrotas, Rokas; Pakstas, Vidas; Franckevicius, Marius; Suchodolskis, Arturas; Tumenas, Saulius; Jasinskas, Vidmantas; Juskenas, Remigijus; Krotkus, Arunas; **Muska, Katri**; **Kauk-Kuusik, Marit** Journal of materials chemistry A 2023 / p. 26488–26498 : ill https://doi.org/10.1039/D3TA05550G Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Bandgap dynamics in locally resonant metastructures : a general theory of internal resonator coupling
Alimohammadi, Hossein; **Vassiljeva, Kristina**; HosseinNia, S. Hassan; **Petlenkov, Eduard** Applied Sciences (Switzerland) 2024 / art. 2447 https://doi.org/10.3390/app14062447 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Bandgap fluctuations, hot carriers, and band-to-acceptor recombination in Cu2ZnSn(S,Se)4 microcrystals
Krustok, Jüri; **Kaupmees, Reelika**; **Abbasi, Nafiseh**; **Muska, Katri**; **Mengü, Idil**; **Timmo, Kristi** Physica status solidi - rapid research letters 2023 / art. 2300077, 5 p. : ill https://doi.org/10.1002/pssr.202300077 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Battery size optimization with customer PV installations and domestic load profile
Shabbir, Noman; **Kütt, Lauri**; **Astapov, Victor**; Jawad, Muhammad; Allik, Alo; **Husev, Oleksandr** IEEE Access 2022 / p. 13012-13025 : ill https://doi.org/10.1109/ACCESS.2022.3147977 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Behaviour of tungsten alloy with iron and nickel under repeated high temperature plasma pulses
Laas, T.; Laas, K.; Paju, J.; **Priimets, Jaanis**; Tõkke, Siim; Väli, B.; **Shirokova, Veroonika**; **Antonov, Maksim**; Gribkov, V.A.; Demina, E.V.; Pimenov, V.N.; Paduch, M.; Matulka, R.; Akel, M. Fusion engineering and design 2020 / art. 111408 https://doi.org/10.1016/j.fusengdes.2019.111408 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Beneficial effects of stoichiometry and nanostructure for a $LiBH_4$-MgH_2 hydrogen storage system
Hu, Jianjiang; **Witter, Raiker**; Shao, Huaiyu; Felderhoff, Michael; Fichtner, Maximilian Journal of materials chemistry A 2014 / p. 66-72 : ill https://doi.org/10.1039/C3TA13775A Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Bioactive ceramic scaffolds for bone tissue engineering by powder bed selective laser processing : a review
Kamboj, Nikhil Kumar; Ressler, Antonia; **Hussainova, Irina** Materials 2021 / art. 5338 https://doi.org/10.3390/ma14185338 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

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

Budded baculoviruses as a receptor display system to quantify ligand binding with TIRF microscopy
Laasfeld, Tõnis; **Ehrminger, Robin**; Tahk, Maris-Johanna; Veiksina, Santa; Kõlvart, Karl Rene; **Min, Mart**; Kopanchuk, Sergei; Rinken, Ago Nanoscale 2021 / p. 2436 - 2447 https://doi.org/10.1039/d0nr06737g Journal metrics at Scopus Article at Scopus journal metrics at WOS Article at WOS

Carbonation of steel slag and gypsum for building materials and associated reaction mechanisms

Wang, Xue; Ni, Wen; Li, Jiajie; Zhang, Siqi; **Hitch, Michael William**; Pascual, Rodrigo Cement and Concrete Research 2019 / art. 105893, 12 p. : ill https://doi.org/10.1016/j.cemconres.2019.105893 Journal metrics at Scopus Article at Scopus Journal metricsc at WOS Article at WOS

Causality in strain gradient elasticity: An internal variables approach
Berezovski, Arkadi Mechanics research communications 2022 / art. 103997 https://doi.org/10.1016/j.mechrescom.2022.103997 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Cavitation-dispersion method for copper cementation from wastewater by iron powder
Shishkin, Andrei; Mironovs, Viktors; Vu, Hong; Novak, Pavel; **Baroninš, Janis**; Polyakov, Alexandr; Ozolins, Jurijs Metals 2018 / art. 920, 11 p. : ill https://doi.org/10.3390/met8110920 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Challenges and perspectives in control of ionic polymer-metal composite (IPMC) actuators : a survey
Aabloo, Alvo; **Belikov, Juri**; **Kaparin, Vadim**; **Kotta, Ülle** IEEE Access 2021 / art. 9133056, p. 121059-121073 https://doi.org/10.1109/ACCESS.2020.3007020 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Challenges of smart grids implementation
Ahmadiahangar, Roya; **Rosin, Argo**; **Palu, Ivo**; Azizi, Aydin Demand-side flexibility in smart grid 2020 / p. 1-15 https://doi.org/10.1007/978-981-15-4627-3_1 Journal metrics at Scopus Article at Scopus

Change in the parameters of electron-irradiated 4H-SIC Schottky diodes as a function of the time during low-temperature isothermal annealing
Korolkov, Oleg; Kozlovski, Vitali V.; Lebedev, Alexander A.; **Toompuu, Jana**; **Sleptsuk, Natalja**; **Rang, Toomas** Silicon Carbide and Related Materials 2018 : 12th European Conference on Silicon Carbide and Related Materials (ECSCRM 2018) : Selected, peer reviewed papers from the European Conference on Silicon Carbide and Related Materials (ECSCRM 2018), September 2-6, 2018,Birmingham, UK 2019 / p. 734-737 https://doi.org/10.4028/www.scientific.net/MSF.963.734 Conference proceeding at Scopus Article at Scopus

Changes in surface morphology, deflection and wear of microcrystalline diamond film observed during sliding tests against Si_3N_4 balls
Bogatov, Andrei; **Traksmaa, Rainer**; **Podgurski, Vitali** Engineering materials and tribology : selected, peer reviewed papers from the 24th International Baltic Conference on Engineering Materials & Tribology (BALTMATTRIB & IFHTSE 2015), November 5-6, 2015, Tallinn, Estonia 2016 / p. 145-151 : ill https://doi.org/10.4028/www.scientific.net/KEM.674.145 Conference Proceedings at Scopus Article at Scopus

Characterising local environments in high energy density Li-ion battery cathodes: A combined NMR and first principles study of LiFexCo 1-xPO4
Strobridge, Fiona C.; Middlemiss, Derek S.; Pell, Andrew J.; Leskes, Michal; Clément, Raphaële J.; Pourpoint, Frédérique; Lu, Zhouguang; Hanna, John V.; Pintacuda, Guido; **Samoson, Ago** Journal of materials chemistry A 2014 / p. 11948-11957 : ill https://doi.org/10.1039/c4ta00934g Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Characterization of FeS2 pyrite microcrystals synthesized in different flux media
Kristmann, Katriin; **Raadik, Taavi**; **Altosaar, Mare**; **Danilson, Mati**; **Krustok, Jüri**; Paaver, Peeter; Butenko, Yuriy Materials advances 2023 / p. 1565 - 1575 https://doi.org/10.1039/D3MA00697b Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

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

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

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

Characterizing the bond properties of automatically placed helical reinforcement in 3D printed concrete

Hass, Lauri; Bos, F.P.; Salet, T.A.M. Construction and building materials 2022 / art. 129228, 16 p. : ill https://doi.org/10.1016/j.conbuildmat.2022.129228 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

Chemical etching of tetrahedrite Cu10Cd2Sb4S13 monograin powder materials for solar cell applications
Ghisani, Fairouz; **Timmo, Kristi**; **Altosaar, Mare**; **Mikli, Valdek**; **Danilson, Mati**; **Grossberg, Maarja**; **Kauk-Kuusik, Marit** Materials science in semiconductor processing 2022 / art. 106291 https://doi.org/10.1016/j.mssp.2021.106291 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Chiral recognition by supramolecular porphyrin-hemicucurbit[8]uril-functionalized gravimetric sensors
Magna, Gabriele; **Šakarašvili, Marko**; Stefanelli, Manuela; Giancane, Gabriele; Bettini, Simona; Valli, Ludovico; **Ustrnul, Lukas**; **Borovkov, Victor**; **Aav, Riina**; Monti, Donato; Di Natale, Corrado; Paolesse, Roberto ACS applied materials and interfaces 2023 / p. 30674−30683 https://doi.org/10.1021/acsami.3c05177 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

Clustering-based penalty signal design for flexibility utilization
Rosin, Argo; **Ahmadiahangar, Roya**; **Azizi, Elnaz**; Sahoo, Subham; **Vinnikov, Dmitri**; Blaabjerg, Frede; Dragicevic, Tomislav; Bolouki, Sadegh IEEE Access 2020 / p. 208850-208860 https://doi.org/10.1109/ACCESS.2020.3038822 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Cogniflow-drop : integrated modular system for automated generation of droplets in microfluidic applications
Jõemaa, Rauno; **Gyimah, Nafisat**; **Ashraf, Kanwal**; **Pärnamets, Kaiser**; **Zaft, Alexander**; **Scheler, Ott**; **Rang, Toomas**; **Pardy, Tamas** IEEE Access 2023 / p. 104905-104929 https://doi.org/10.1109/ACCESS.2023.3316726 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Combined effects of test media and dietary algae on the toxicity of CuO and ZnO nanoparticles to freshwater microcrustaceans daphnia magna and heterocypris incongruens : food for thought
Muna, Marge; Blinova, Irina; Kahru, Anne; Vrček, Ivana Vinković; Pem, Barbara; Orupõld, Kaja; Heinlaan, Margit Nanomaterials 2019 / art. 23 https://doi.org/10.3390/nano9010023 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

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

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

Comment on "Solitons in the Heimburg-Jackson model of sound propagation in lipid bilayers are enabled by dispersion of a stiff membrane" by M. Drab et al.
Peets, Tanel; **Tamm, Kert**; **Engelbrecht, Jüri** The European physical journal E 2023 / art. 34 https://doi.org/10.1140/epje/s10189-023-00299-2 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Commissioning of moisture safety of nZEB renovation with prefabricated timber frame insulation wall elements
Pihelo, Peep; **Kalamees, Targo** Wood material science and engineering 2021 / p. 110-117 https://doi.org/10.1080/17480272.2019.1635206 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Common-mode voltage analysis and reduction for the quasi-Z-source inverter with a split inductor
Liu, Wenjie; Yang, Yongheng; Kerekes, Tamas; **Liivik, Elizaveta**; **Vinnikov, Dmitri**; Blaabjerg, Frede Applied sciences 2020 / art. 8713, 13 p. : ill https://doi.org/10.3390/app10238713 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Compact empirical model for droplet generation in a Lab-on-Chip cytometry system

Pärnamets, Kaiser; **Udal, Andres**; **Koel, Ants**; **Pardy, Tamas**; **Gyimah, Nafisat**; **Rang, Toomas** IEEE Access 2022 / p. 127708-127717 https://doi.org/10.1109/ACCESS.2022.3226623 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Comparative analysis of residual stresses determined by various methods in brush-plated hard gold and silver coatings
Lille, Harri; Kõo, Jakub; Ryabchikov, Alexander; Reitsnik, Renno; **Sergejev, Fjodor**; **Mikli, Valdek** Engineering materials & tribology XXII 2014 / p. 8-11 https://doi.org/10.4028/www.scientific.net/KEM.604.8 Conference proceedings at Scopus Article at Scopus Conference proceedings at WOS Article at WOS

Comparative analysis of telepresence robots' video performance : evaluating camera capabilities for remote teaching and learning
Talisainen, Aleksei; **Leoste, Janika**; Virkus, Sirje Applied Sciences (Switzerland) 2024 / art. 233 https://doi.org/10.3390/app14010233 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Comparative analysis of two methods for evaluating wear rate of nanocrystalline diamond films
Bogatov, Andrei; **Yashin, Maxim**; **Viljus, Mart**; Menezes, Pradeep; **Podgurski, Vitali** Engineering materials and tribology XXV 2017 / p. 345-350 : ill https://doi.org/10.4028/www.scientific.net/KEM.721.345 Conference proceedings at Scopus Article at Scopus

Comparative analysis of wear rates of microcrystalline diamond and diamond-like carbon coatings deposited on WC-Co substrates
Yashin, Maxim; **Bogatov, Andrei**; **Podgurski, Vitali** Engineering materials and tribology XXV 2017 / p. 436-440 : ill https://doi.org/10.4028/www.scientific.net/KEM.721.436 Conference proceedings at Scopus Article at Scopus

Comparative investigation of the graphene-on-silicon carbide and CVD graphene as a basis for biosensor application
Sleptšuk, Natalja; Lebedev, Alexander A.; Eliseyev, Ilya; **Korolkov, Oleg**; **Toompuu, Jana**; **Land, Raul**; **Mikli, Valdek**; Zubov, Alexander; **Rang, Toomas** Modern Materials and Manufacturing 2019 : 12th International DAAAM Baltic Conference and 27th International Baltic Conference BALTMATTRIB 2019. Selected, peer reviewed papers from the conference Modern Materials and Manufacturing 2019 (MMM 2019), April 24-26, 2019, Tallinn, Estonia 2019 / p. 185-190 : ill https://www.ester.ee/record=b5235278*est https://www.scientific.net/KEM.799.185 https://doi.org/10.4028/www.scientific.net/KEM.799.185 Conference proceeding at Scopus Article at Scopus

Comparative results of low temperature annealing of lightly doped n-layers of silicon carbide irradiated by protons and electrons
Kozlovski, Vitali V.; **Korolkov, Oleg**; Lebedev, Alexander A.; **Toompuu, Jana**; **Sleptsuk, Natalja** Silicon Carbide and Related Materials 2019 : 18th International Conference on Silicon Carbide and Related Materials 2019 (ICSCRM 2019), Kyoto, Japan, September 29 - October 4, 2019 2020 / p. 231-236 https://doi.org/10.4028/www.scientific.net/MSF.1004.231 Conference Proceedings at Scopus Article at Scopus

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

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

Comparative study of plasma cladded Fe-based composite hardfacings with in situ synthesized Cr and Ti carbide reinforcement
Tkachivskyi, Dmytro; **Viljus, Mart**; **Traksmaa, Rainer**; **Antonov, Maksim**; **Surženkov, Andrei**; **Juhani, Kristjan**; **Kulu, Priit** Solid state phenomena ; 320 2021 / p. 83-89 https://doi.org/10.4028/www.scientific.net/SSP.320.83 Conference proceedings metrics at Scopus Article at Scopus

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

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

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

Article at WOS

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

Comparison of mechanical and antibacterial properties of TiO2/Ag ceramics and Ti6Al4V-TiO2/Ag composite materials using combined SLM-SPS techniques
Rahmani Ahranjani, Ramin; **Rosenberg, Merilin**; **Ivask, Angela**; **Kollo, Lauri** Metals 2019 / art. 874, 13 p. : ill https://doi.org/10.3390/met9080874 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

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

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

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

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

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

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

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

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

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

Contact stiffness parameters for finite element modeling of contact
Sivitski, Alina; **Põdra, Priit** Modern Materials and Manufacturing 2019 : 12th International DAAAM Baltic Conference and 27th International Baltic Conference BALTMATTRIB 2019. Selected, peer reviewed papers from the conference Modern Materials and Manufacturing 2019 (MMM 2019), April 24-26, 2019, Tallinn, Estonia 2019 / p. 211-216 : ill https://www.ester.ee/record=b5235278*est https://www.scientific.net/KEM.799.211 https://doi.org/10.4028/www.scientific.net/KEM.799.211 Conference proceeding at Scopus Article at

Scopus

Corrections to “Opportunities and Challenges of Utilizing Additive Manufacturing Approaches in Thermal Management of Electrical Machines”
Ghahfarokhi, Payam Shams; Podgornovs, Andrejs; **Kallaste, Ants**; Marques Cardoso, Antonio J.; **Belahcen, Anouar**; **Vaimann, Toomas**; **Tiismus, Hans**; **Asad, Bilal** IEEE Access 2021 / p. 62532 https://doi.org/10.1109/ACCESS.2021.3074827 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Corrigendum to "Generation and development of damages in double forged tungsten in different regimes of irradiation with extreme heat loads" [J. Nucl. Mater. 495 (2017) 91-102]
Paju, Jana; Väli, Berit; Laas, Tõnu; **Shirokova, Veroonika**; **Antonov, Maksim** Journal of nuclear materials 2018 / p. 323-324 : tab https://doi.org/10.1016/j.jnucmat.2018.03.003 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

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

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

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

Crumb rubber as a secondary raw material from waste rubber : a short review of end-of-life mechanical processing methods
Lapkovskis, Vjaceslavs; Mironovs, Viktors; Kasperovich, Andrei; Myadelets, Vadim; **Goljandin, Dmitri** Recycling 2020 / art. 32, 20 p. : ill https://doi.org/10.3390/recycling5040032 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Cu2ZnSnS4 monograin layer solar cells for flexible photovoltaic applications
Kauk-Kuusik, Marit; **Timmo, Kristi**; **Pilvet, Maris**; **Muska, Katri**; **Danilson, Mati**; **Krustok, Jüri**; **Josepson, Raavo**; **Mikli, Valdek**; **Grossberg-Kuusk, Maarja** Journal of materials chemistry A 2023 / p. 23640-23652 https://doi.org/10.1039/D3TA04541B Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Cubic iron core–shell nanoparticles functionalized to obtain high-performance MRI contrast agents
Volokhova, Maria; Shugai, Anna; Tsujimoto, Masahiko; Kubo, Anna-Liisa; Telliskivi, Sven; Nigul, Mait; Uudeküll, Peep; Vija, Heiki; Bondarenko, Olesja; Adamson, Jasper; Kahru, Anne; Stern, Raivo; Seinberg, Liis Materials 2022 / art. 2228 https://doi.org/10.3390/ma15062228 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Cu(In,Ga)Se2 monograin powders with different Ga content for solar cells
Timmo, Kristi; **Kauk-Kuusik, Marit**; **Pilvet, Maris**; **Altosaar, Mare**; **Grossberg, Maarja**; **Danilson, Mati**; **Kaupmees, Reelika**; **Mikli, Valdek**; **Raudoja, Jaan**; **Varema, Tiit** Solar energy 2018 / p. 648–655 : ill https://doi.org/10.1016/j.solener.2018.10.078 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

CuInS2 solar cell absorber plasmonically modified by gold nanoparticles
Repän, Taavi; Dolgov, Leonid; **Katerski, Atanas**; **Oja Acik, Ilona**; **Kärber, Erki**; **Mere, Arvo**; **Mikli, Valdek**; **Krunks, Malle**; Sildos, Ilmo Applied physics. A, Materials science & processing 2014 / p. 455-458 : ill https://doi.org/10.1007/s00339-014-8681-z Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

CVD nanocrystalline multilayer graphene coated 3D-printed alumina lattices
Ramírez, Cristina; **Shamshirgar, Ali Saffar**; Perez-Coll, Domingo; Osendi, María IsabeL; Miranzo, Pilar; Tewari, Girish C.; Karppinen, Maarit; **Hussainova, Irina**; Belmonte, Manuel Carbon 2023 / p. 36-46 https://doi.org/10.1016/j.carbon.2022.10.085 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Cyclic loading of TiCN coating by Vickers indentation
Saarna, Mart; **Lind, Liina**; **Peetsalu, Priidu**; **Sergejev, Fjodor** Engineering materials and tribology XXV 2017 / p. 425-429 https://doi.org/10.4028/www.scientific.net/KEM.721.425 Conference proceedings at Scopus Article at Scopus

DC integration of residential photovoltaic systems : a survey
Abdelrahim Abdelghafour, Omar Mohamed; **Chub, Andrii**; **Vinnikov, Dmitri**; **Blinov, Andrei** IEEE Access 2022 / p. 66974-66991 https://doi.org/10.1109/ACCESS.2022.3185788 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

DC-conductivity testing combined with photometry for measuring fibre orientations in SFRC
Eik, Marika; **Lõhmus, Karl**; **Tigasson, Martin**; **Listak, Madis**; Puttonen, Jari; **Herrmann, Heiko** Journal of materials science 2013 / p. 3745-3759 : ill https://doi.org/10.1007/s10853-013-7174-3 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Decarburisation effect on hardened strip steel fastening components
Jaason, Karli; **Peetsalu, Priidu**; **Saarna, Mart**; **Kulu, Priit**; Beilmann, Jüri Materials science = Medžiagotyra 2016 / p. 148-152 : ill https://doi.org/10.5755/j01.ms.22.1.7467 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Decoding the atomic structure of Ga2Te5 pulsed laser deposition films for memory applications using diffraction and first-principles simulations
Tverjanovich, Andrey; Benmore, Chris J.; Khomenko, Maxim; Sokolov, Anton; Fontanari, Daniele; **Bereznev, Sergei**; Bokova, Maria; Kassem, Mohammad; Bychkov, Eugene Nanomaterials 2023 / art. 2137 https://doi.org/10.3390/nano13142137 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Dedicated to the memory of Prof. M. Sheinkman effect of ultrasonic treatment on the defect structure of the Si-SiO2 system
Kropman, Daniel; Dolgov, Sergei; Onufrijevs, Pavels; Dauksta, Edvins Gettering and Defect Engineering in Semiconductor Technology XV 2014 / p. 352-357 : ill https://doi.org/10.4028/www.scientific.net/SSP.205-206.352 Conference proceedings at Scopus Article at Scopus Conference proceedings at WOS Article at WOS

Defect studies in Cu2ZnSnSe4 and Cu2ZnSn(Se0.75S0.25)4 by admittance and photoluminescence spectroscopy
Kask, Erkki; **Grossberg, Maarja**; **Josepson, Raavo**; **Salu, Pille**; **Timmo, Kristi**; **Krustok, Jüri** Materials science in semiconductor processing 2013 / p. 992-996 : ill https://doi.org/10.1016/j.mssp.2013.02.009 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Deformation-burst schemes of 3-piece aerosol containers
Ratas, Kaarin; **Peetsalu, Priidu** Engineering materials & tribology XXII 2014 / p. 55-58 https://doi.org/10.4028/www.scientific.net/KEM.604.55 Conference proceedings at Scopus Article at Scopus Conference proceedings at WOS Article at WOS

Degradation of 600-V 4H-SiC Schottky diodes under irradiation with 0.9 MeV electrons
Lebedev, Alexander A.; Davidovskaja, Klavdia; Kozlovski, Vitali V.; **Korolkov, Oleg**; **Sleptšuk, Natalja**; **Toompuu, Jana** Silicon Carbide and Related Materials 2016 : selected, peer reviewed papers from the 11th European Conference on Silicon Carbide and Related Materials 2016 (ECSCRM 2016), September 25-29, 2016, Halkidiki, Greece 2017 / p. 447-450 : ill https://doi.org/10.4028/www.scientific.net/MSF.897.447 Conference proceedings at Scopus Article at Scopus

Densification and characterization of spark plasma sintered ZrC–ZrO2 composites
Hussainova, Irina; **Voltšihhin, Nikolai**; Cura, M. Erkin; Hannula, Simo-Pekka Materials science and engineering : A - structural materials: properties, microstructure and processing 2014 / p. 75-81 : ill https://doi.org/10.1016/j.msea.2013.12.058 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Dependance of wear of Cu-Cr-S alloy on hardness and electrical conductivity in sliding electrical contact
Kommel, Lembit; **Baroninš, Janis** Materials Engineering 2017 : selected, peer reviewed papers from the 26th International Baltic Conference on Materials Engineering 2017, October 26-27, Kaunas, Lithuania 2017 / p. 229-233 : ill https://doi.org/10.4028/www.scientific.net/SSP.267.229 Conference proceedings at Scopus Article at Scopus

Dependence of the carrier removal rate in 4H-SIC PN structures on irradiation temperature
Lebedev, Alexander A.; Davydovskaya, Klavdya S.; Kozlovski, Vitali V.; **Korolkov, Oleg**; **Sleptsuk, Natalja**; **Toompuu, Jana** Silicon Carbide and Related Materials 2018 : 12th European Conference on Silicon Carbide and Related Materials (ECSCRM 2018) : Selected, peer reviewed papers from the European Conference on Silicon Carbide and Related Materials (ECSCRM 2018), September 2-6, 2018,Birmingham, UK 2019 / p. 730-733 https://doi.org/10.4028/www.scientific.net/MSF.963.730 Conference proceeding at Scopus Article at Scopus

Deposition of iron oxide nanoparticles on mesoporous alumina network by wet-combustion technology
Kamboj, Nikhil Kumar; **Saffarshamshirgar, Ali**; Shirshneva-Vaschenko, Elena; **Hussainova, Irina** Materials chemistry and physics 2019 / p. 340-346 : ill https://doi.org/10.1016/j.matchemphys.2018.12.095 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Design and manufacturing of variable angle tow laminate
Haavajõe, Anti; **Mikola, Madis**; **Pohlak, Meelis** Engineering materials and tribology : selected, peer reviewed papers from the 24th International Baltic Conference on Engineering Materials & Tribology (BALTMATTRIB & IFHTSE 2015), November 5-6, 2015, Tallinn,

Estonia 2016 / p. 59-64 : ill https://doi.org/10.4028/www.scientific.net/KEM.674.59 Conference Proceedings at Scopus Article at Scopus

Design and optimization of AlN based RF MEMS switches
Ziko, Mehadi Hasan; **Koel, Ants** IOP conference series : materials science and engineering 2018 / 012002 ; 9 p.: ill https://doi.org/10.1088/1757-899X/362/1/012002 Conference proceedings at Scopus Article at Scopus Article at WOS

Design and performance of laser additively manufactured core induction motor
Tiismus, Hans; **Kallaste, Ants**; **Naseer, Muhammad Usman**; **Vaimann, Toomas**; **Rassõlkin, Anton** IEEE Access 2022 / p. 50137-50152 https://doi.org/10.1109/ACCESS.2022.3173317 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Design and simulation of the robust ABS and ESP fuzzy logic controller on the complex braking maneuvers
Aksjonov, Andrei; Augsburg, Klaus; **Vodovozov, Valery** Applied sciences 2016 / p. 1-18 : ill https://doi.org/10.3390/app6120382 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Design of High Volume CFBC Fly Ash Based Calcium Sulphoaluminate Type Binder in Mixtures with Ordinary Portland Cement
Paaver, Peeter; **Järvik, Oliver**; Kirsimäe, Kalle Materials 2021 / art. 5798 https://doi.org/10.3390/ma14195798 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Design of performance characteristics on laser treated denim fabric
Mandre, Nele; **Plamus, Tiia**; **Linder, Angelika**; **Varjas, Toivo**; **Majak, Jüri**; **Krumme, Andres** The materials science = Medžiagotyra 2023 / 10 p. : ill https://doi.org/10.5755/j02.ms.33259 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Determination of core losses using an inverse modeling technique
Osemwinyen, Osaruyi; Hemeida, Ahmed; **Ghahfarokhi, Payam Shams**; **Belahcen, Anouar** IEEE Access 2022 / p. 29224-29232 https://doi.org/10.1109/ACCESS.2022.3158365 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Determination of resistance to wear of particulate composite
Aruniit, Aare; **Antonov, Maksim**; **Kers, Jaan**; **Krumme, Andres** Engineering materials & tribology XXII 2014 / p. 188-191 https://doi.org/10.4028/www.scientific.net/KEM.604.188 Conference proceedings at Scopus Article at Scopus Conference proceedings at WOS Article at WOS

Determination of vaporization properties and volatile hazardous components relevant to kukersite oil shale derived fuel oil handling
Traumann, Ada; **Tint, Piia**; **Järvik, Oliver**; **Oja, Vahur** Materials science = Medžiagotyra 2014 / p. 351-356 : ill https://doi.org/10.5755/j01.ms.20.3.4549 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Development of anti-lock braking system (ABS) for vehicles braking
Vu, Trieu Minh; **Oamen, Godwin**; **Vassiljeva, Kristina**; **Teder, Leo** Open engineering 2016 / p. 554-559 : ill https://doi.org/10.1515/eng-2016-0078 Journal metrics at Scopus Article at scopus

Development of key performance selection index model
Kaganski, Sergei; **Toompalu, Silver** Journal of achievements in materials and manufacturing engineering 2017 / p. 33-40 : ill https://doi.org/10.5604/01.3001.0010.2077 Journal metrics at Scopus Article at Scopus

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

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

Dielectric relaxation and conduction mechanisms in sprayed TiO2 thin films as a function of the annealing temperature
Juma, Albert Owino; **Oja Acik, Ilona**; **Mere, Arvo**; **Krunks, Malle** Applied physics. A, Materials science & processing 2016 / art. 359, p. 1-6 : ill https://doi.org/10.1007/s00339-016-9874-4 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Direct CVD growth of multi-layered graphene closed shells around alumina nanofibers
Ivanov, Roman; **Mikli, Valdek**; **Kübarsepp, Jakob**; **Hussainova, Irina** Engineering materials and tribology : selected, peer reviewed papers from the 24th International Baltic Conference on Engineering Materials & Tribology (BALTMATTRIB & IFHTSE 2015), November 5-6, 2015, Tallinn, Estonia 2016 / p. 77-80 : ill https://doi.org/10.4028/www.scientific.net/KEM.674.77 Conference Proceedings at Scopus Article at Scopus

Directional conductivity in layered alumina
Hussainova, Irina; **Saffarshamshirgar, Ali**; **Ivanov, Roman**; **Volobujeva, Olga**; Romanov, Alexey; Gasik, Michael Current applied physics 2022 / p. 68-73 : ill https://doi.org/10.1016/j.cap.2020.06.009 Journa metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Discrete breathers above phonon spectrum
Hižnjakov, Vladimir; Haas, Mati; **Klopov, Mihhail**; Šelkan, Aleksander Letters on Materials 2016 / p. 61-72 https://doi.org/10.22226/2410-3535-2016-1-61-72 Journal metrics at Scopus Article at Scopus

Disordered lithium-rich oxyfluoride as a stable host for enhanced Li+ intercalation storage
Chen, Ruiyong; Ren, Shuhua; Knapp, Michael; Wang, Di; **Witter, Raiker**; Fichtner, Maximilian; Hahn, Horst Advanced energy materials 2015 / p. 1-7 : ill https://doi.org/10.1002/aenm.201401814 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Dispersive elastic waves
Berezovski, Arkadi; **Ván, Peter** Internal variables in thermoelasticity 2017 / p. 85-98 https://doi.org/10.1007/978-3-319-56934-5_6 Article collection metrics at Scopus Article at Scopus Article at WOS

Dispersive waves in microstructured solids
Berezovski, Arkadi; **Engelbrecht, Jüri**; **Salupere, Andrus**; **Tamm, Kert**; **Peets, Tanel**; **Berezovski, Mihhail** International journal of solids and structures 2013 / p. 1981-1990 : ill https://doi.org/10.1016/j.ijsolstr.2013.02.018 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Dissimilar welding of Al0.1CoCrFeNi high-entropy alloy and AISI304 stainless steel
Sokkalingam, Rathinavelu; Muthupandi, Veerappan; Sivaprasad, Katakam; **Prashanth, Konda Gokuldoss** Journal of materials research and technology 2019 / p. 2683-2694 : ill https://doi.org/10.1557/jmr.2019.186 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

A DRL strategy for optimal resource allocation along with 3D trajectory dynamics in UAV-MEC network
Khurshid, Tayyaba; Ahmed, Waqas; Rehan, Muhammad; Ahmad, Rizwan; **Alam, Muhammad Mahtab**; Radwan, Ayman IEEE Access 2023 / p. 54664 - 54678 https://doi.org/10.1109/ACCESS.2023.3278591 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Dual internal variables
Berezovski, Arkadi; Ván, Peter Internal variables in thermoelasticity 2017 / p. 59-72 https://doi.org/10.1007/978-3-319-56934-5_4 Article collection metrics at Scopus Article at Scopus Article at WOS

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

Dynamics of discontinuities in elastic solids
Berezovski, Arkadi; Berezovski, Mihhail Mathematics and mechanics of solids 2020 / p. 1416-1428 https://doi.org/10.1177/1081286517718603 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Early experimental investigations on slotted-in steel plate connections with self-perforating dowels in CLT
Tuhkanen, Eero; **Ojamaa, Martin** Wood material science and engineering Wood material science & engineering 2021 / p. 102-109 : ill https://doi.org/10.1080/17480272.2019.1626482 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

Educating the energy informatics specialist : opportunities and challenges in light of research and industrial trends
Bordin, Chiara; **Mishra, Sambeet**; Safari, Amir; Eliassen, Frank SN Applied Sciences 2021 / art. 674 https://doi.org/10.1007/s42452-021-04610-8 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Effect of atomic oxygen irradiation on the structural and tribological properties of the MoS_2/Al_2O_3/PI composites
Zhao, Gai; Wang, Qihua; **Hussainova, Irina**; Ding, Qingjun Engineering materials and tribology : selected, peer reviewed papers from the 24th International Baltic Conference on Engineering Materials & Tribology (BALTMATTRIB & IFHTSE 2015), November 5-6,

2015, Tallinn, Estonia 2016 / p. 239-243 : ill https://doi.org/10.4028/www.scientific.net/KEM.674.239 Conference Proceedings at Scopus Article at Scopus

Effect of basalt reinforcement type and content on the abrasive wear behaviour of polymer composites
Antonov, Maksim; **Kers, Jaan**; **Liibert, Laura**; Shuliak, Volodymyr; Smirnov, Anton; Bartolome, Jose F. Engineering materials and tribology : selected, peer reviewed papers from the 24th International Baltic Conference on Engineering Materials & Tribology (BALTMATTRIB & IFHTSE 2015), November 5-6, 2015, Tallinn, Estonia 2016 / p. 181-188 : ill https://doi.org/10.4028/www.scientific.net/KEM.674.181 Conference Proceedings at Scopus Article at Scopus

Effect of carbon stabilizing elements on WC cemented carbides with chromium steel binder
Tarraste, Marek; **Kübarsepp, Jakob**; **Juhani, Kristjan**; **Mere, Arvo**; **Viljus, Mart** Materials science = Medžiagotyra 2019 / p. 202-206 : ill https://doi.org/10.5755/j01.ms.25.2.19619 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

Effect of distributed photovoltaic generation on the voltage magnitude in a self-contained power supply system
Lukutin, Boris V.; Shandarova, Elena B.; Makarova, A.F.; **Švartsman, Inna** International Scientific and Practical Conference on Urgent Problems of Modern Mechanical Engineering 17–18 December 2015, Yurga, Russia 2016 / art. 012005 https://doi.org/10.1088/1757-899X/127/1/012005 Conference Proceedings at Scopus Article at Scopus Article at WOS

Effect of fly-ash cenospheres on properties of clay-ceramic syntactic foams
Rugele, Kristine; Lehmhus, Dirk; **Hussainova, Irina**; Peculevica, Julite; Lisnanskis, Marks; Shishkin, Andrei Materials 2017 / art. 828, p. 1-17 : ill https://doi.org/10.3390/ma10070828 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Effect of grain growth inhibitors VC/Cr3C2 on WC-ZrO2-Ni composite mechanics
Yung, Der-Liang; **Dong, Minjie**; **Hussainova, Irina** Engineering materials & tribology XXII 2014 / p. 106-109 https://doi.org/10.4028/www.scientific.net/KEM.604.106 Conference proceedings at Scopus Article at Scopus Conference proceedings at WOS Article at WOS

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

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

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

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

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

Effect of milling time on dual-nanoparticulate-reinforced aluminum alloy matrix composite materials
Kwon, Hansang; **Saarna, Mart**; Yoon, Songhak; Weidenkaff, Anke; Leparoux, Marc Materials science and engineering : A 2014 / p. 338-345 https://doi.org/10.1016/j.msea.2013.10.046 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Effect of oxidation on sliding wear behavior of NiCrSiB-TiB2 plasma sprayed coatings
Umanskii, A.; **Hussainova, Irina**; Storoženko, M.; Terentyev, O.; **Antonov, Maksim** Engineering materials & tribology XXII 2014 / p. 16-19 https://doi.org/10.4028/www.scientific.net/KEM.604.16 Conference proceedings at Scopus Article at Scopus Article at WOS

Effect of powder bed preheating on the crack formation and microstructure in ceramic matrix composites fabricated by laser powder-bed fusion process
Maurya, Himanshu Singh; Kosiba, Konrad; **Juhani, Kristjan**; **Sergejev, Fjodor**; **Prashanth, Konda Gokuldoss** Additive manufacturing 2022 / art. 103013, 13 p. : ill https://doi.org/10.1016/j.addma.2022.103013 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

The effect of prestressing and temperature on tensile strength of basalt fiber-reinforced plywood
Lõhmus, Rünno; **Kallakas, Heikko**; **Tuhkanen, Eero**; Gulik, Volodymyr; Kiisk, Madis; Saal, Kristjan; **Kalamees, Targo** Materials 2021 / art. 4701, 9 p. : ill https://doi.org/10.3390/ma14164701 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Effect of process parameters on the properties of β-Ti-Nb-based alloys fabricated by selective laser melting: A review
Subramanian, Shangavi; **Mohanty, Shalini**; **Prashanth, Konda Gokuldoss** Materials today: proceedings 2023 https://doi.org/10.1016/j.matpr.2023.03.461 Journal metrics at Scopus Article at Scopus

Effect of pulsed deuterium plasma irradiation on dual-phase tungsten high-entropy alloys
Tõkke, Siim; Laas, Tõnu; Priimets, Jaanis; **Tarraste, Marek**; **Mikli, Valdek**; **Antonov, Maksim** Fusion engineering and design 2022 / 11 p. : ill https://doi.org/10.1016/j.fusengdes.2022.113260 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Effect of sintering method on surface fatigue of carbide composites
Petrov, Mihhail; **Kübarsepp, Jakob**; **Sergejev, Fjodor**; **Viljus, Mart**; **Tarraste, Marek** Engineering materials and tribology XXV 2017 / p. 368-372 : ill https://doi.org/10.4028/www.scientific.net/KEM.721.368 Journal metrics at Scopus Article at Scopus

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

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

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

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

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

Effects of irradiation of ZnO/CdS/Cu2ZnSnSe4/Mo/glass solar cells by 10 MeV electrons on photoluminescence spectra
Sulimov, M. A.; Sarychev, M.N.; Yakushev, Michael V.; **Krustok, Jüri** Materials science in semiconductor processing 2021 / art. 105301, 5 p. : ill https://doi.org/10.1016/j.mssp.2020.105301 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Effects of night ventilation on indoor air quality in educational buildings—a field study
Lestinen, Sami; Kilpeläinen, Simo; **Kosonen, Risto**; Valkonen, Maria; **Jokisalo, Juha**; Pasanen, Pertti Applied sciences 2021 / art. 4056, 20 p. : ill https://doi.org/10.3390/app11094056 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Effects of the inclusion of armchair graphene nanoribbons on the electrical conduction properties of NN-heterojunction 4H-6H/SiC diodes
Rashid, Muhammad Haroon; **Koel, Ants**; **Rang, Toomas** Advanced Materials and Processing Technologies : 2nd International Conference on Sensors, Materials and Manufacturing (ICSMM 2018, November 19-21, 2018, Taiwan); International Conference on Materials Sciences and Nanomaterials (ICMSN 2018, July 11-13, 2018, United Kingdom) and the 2nd International Conference on Materials and Intelligent Manufacturing (ICMIM 2018, August 24-26, 2018, Japan) 2019 / p. 29–35 : ill

https://doi.org/10.4028/www.scientific.net/MSF.962.29 Conference proceeding at Scopus Article at Scopus

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

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

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

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

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

Electrocatalysts for oxygen reduction reaction based on electrospun polyacrylonitrile, styrene–acrylonitrile copolymer and carbon nanotube composite fibres
Mooste, Marek; Kibena-Põldsepp, Elo; **Vassiljeva, Viktoria**; **Uibu, Mai**; **Krumme, Andres** Journal of materials science 2019 / p. 11618–11634 : ill https://doi.org/10.1007/s10853-019-03725-z Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Electrochemical and photoelectrochemical characterization of SnS photoabsorber films
Kois, Julia; **Bereznev, Sergei**; **Maricheva, Jelena**; **Naidu, Revathi** Materials science in semiconductor processing 2017 / p. 76-81 : ill https://doi.org/10.1016/j.mssp.2016.10.036 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Electrochemical behaviour of TiCN and TiAlN gradient coatings prepared by lateral rotating cathode arc PVD technology
Baroniņš, Janis; **Podgurski, Vitali**; **Antonov, Maksim**; **Bereznev, Sergei**; **Hussainova, Irina** Engineering materials and tribology XXV 2017 / p. 414-418 https://doi.org/10.4028/www.scientific.net/KEM.721.414 Journal metrics at Scopus Article at Scopus

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

Electrochemically synthesised CdSe nanofibers and pearl-chain nanostructures for photovoltaic applications
Kois, Julia; **Bereznev, Sergei**; **Gurevitš, Jelena**; **Volobujeva, Olga** Materials letters 2013 / p. 110-113 : ill https://doi.org/10.1016/j.matlet.2012.11.122 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Electroconductive fibrous mat prepared by electrospinning of polyacrylamide-g-polyaniline copolymers as electrode material for supercapacitors
Smirnov, Michael; **Tarasova, Elvira**; **Mikli, Valdek**; **Vassiljeva, Viktoria**; **Krumme, Andres** Journal of materials science 2018 / p. 4859–4873 : ill https://doi.org/10.1007/s10853-018-03186-w Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Electro-deposited nano-Ni/reduced graphene oxide composite film of corrugated surface for high voltammetric sensitivity
Alinejadian, Navid; Kazemi, Sayed Habib; Nasirpouri, Farzad; Odnevall, Inger Charlotta Materials chemistry and physics 2023 / art. 127288, 8 p. : ill https://doi.org/10.1016/j.matchemphys.2022.127288 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Electroless Ni-P-MoS2-Al2O3 composite coating with hard and self-lubricating properties
Mohanty, Shalini; Jamal, Naghma; Das, Alok Kumar; **Prashanth, Konda Gokuldoss** Materials 2022 / art. 6806 https://doi.org/10.3390/ma15196806 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Electron-beam welding of high-entropy alloy and stainless steel: microstructure and mechanical properties
Sokkalingam, Rathinavelu; Mastanaiah, P.; Muthupandi, Veerappan; Sivaprasad, Katakam; **Prashanth, Konda Gokuldoss** Materials and manufacturing processes 2020 / p. 1885-1894 https://doi.org/10.1080/10426914.2020.1802045 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Electrospinning of chitosan biopolymer and polyethylene oxide blends

Varnaite-Žuravliova, Sandra; **Savest, Natalja**; Baltušnikaite-Guzaitiene, Julija; Abraitiene, Aušra; **Krumme, Andres** Autex research journal 2020 / p. 426-440 : ill https://doi.org/10.2478/aut-2019-0031 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Elliptic-curve crypto processor for RFID applications
Rashid, Muhammad; Jamal, Sajjad Shaukat; Khan, Sikandar Zulqarnain; Alharbi, Adel R.; Aljaedi, Amer; **Imran, Malik** Applied Sciences (Switzerland) 2021 / art. 7079 https://doi.org/10.3390/app11157079 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Emission measurements with gravimetric impactors and electrical devices : An aerosol instrument comparison
Salo, Laura; Mylläri, Fanni; Maasikmets, Marek; Niemelä, Ville; **Konist, Alar**; **Kupri, Hanna-Lii** Aerosol science and technology 2019 / p. 526-539 : ill https://doi.org/10.1080/02786826.2019.1578858 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Energy efficiency and latency optimization for IoT URLLC and mMTC use cases
Elgarhy, Osama Mohamed Mostafa; Reggiani, Luca; **Alam, Muhammad Mahtab**; Zoha, Ahmed; Ahmad, Rizwan; **Kuusik, Alar** IEEE Access / p. 23132-23148 https://doi.org/10.1109/ACCESS.2024.3364349 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at Scopus

Energy levels determination of Zn(O,Se) thin films
Abdalla, Akram; **Danilson, Mati**; **Mikli, Valdek**; **Bereznev, Sergei** Materials science in semiconductor processing 2023 / art. 107137 https://doi.org/10.1016/j.mssp.2022.107137 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Energy performance of the Serbian and Estonian family house with a selective absorption facade
Lukic, N.; Nešovic, A.; Nikolic, N.; **Siirde, Andres**; **Volkova, Anna**; **Latõšov, Eduard** IOP conference series : materials science and engineering 2019 / art. 012047, 10 p. : ill https://doi.org/10.1088/1757-899X/659/1/012047 Conference proceedings at Scopus Article at Scopus

Energy-efficient distributed leader selection algorithm for energy-constrained wireless sensor networks
Ulp, Sander; **Le Moullec, Yannick**; **Alam, Muhammad Mahtab** IEEE Access 2019 / p. 4410-4421 : ill https://doi.org/10.1109/ACCESS.2018.2888551 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Enhanced efficiency of hybrid amorphous silicon solar cells based on single-walled carbon nanotubes and polymer composite thin film
Rajanna, Pramod M.; Gilshteyn, Evgenia P.; Yagafarov, Timur; Alekseeva, Alena A.; Anisimov, Anton S.; Neumüller, Alex; Sergeev, Oleg; **Bereznev, Sergei**; **Maricheva, Jelena**; Nasibulin, Albert Nanotechnology 2018 / 10 p. : ill https://doi.org/10.1088/1361-6528/aaa647 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Enhanced photocatalytic activity of ZnO nanorods by surface treatment with HAuCl4 : synergic effects through an electron scavenging, plasmon resonance and surface hydroxylation
Dedova, Tatjana; **Oja Acik, Ilona**; **Chen, Zengjun**; **Katerski, Atanas**; **Balmassov, Kirill**; **Gromõko, Inga**; Nagyne-Kovacs, T.; Szilagyi, I.M.; **Krunks, Malle** Materials chemistry and physics 2020 / art. 122767 https://doi.org/10.1016/j.matchemphys.2020.122767 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Enhancement of hydrogen storage in metals by using a new technique in Severe Plastic Deformations
Omranpour Shahreza, Babak; **Kommel, Lembit**; Sanchez, E. Garcia Modern Materials and Manufacturing 2019 : 12th International DAAAM Baltic Conference and 27th International Baltic Conference BALTMATTRIB 2019. Selected, peer reviewed papers from the conference Modern Materials and Manufacturing 2019 (MMM 2019), April 24-26, 2019, Tallinn, Estonia 2019 / p. 173-178 : ill https://doi.org/10.4028/www.scientific.net/KEM.799.173 https://www.scientific.net/KEM.799.173 https://www.ester.ee/record=b5235278*est Conference proceeding at Scopus Article at Scopus

Enhancement of photoluminescence of GaAsBi quantum wells by parabolic design of AlGaAs barriers
Pukiene, Simona; Karaliunas, Mindaugas; Jasinskas, A.; **Udal, Andres** Nanotechnology 2019 / art. 455001, 11 p. : ill https://doi.org/10.1088/1361-6528/ab36f3 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Erosion wear of reactive sintered WC-TiC-Co cermets
Tarraste, Marek; **Juhani, Kristjan**; **Pirso, Jüri**; **Viljus, Mart** Engineering materials & tribology XXII 2014 / p. 63-66 https://doi.org/10.4028/www.scientific.net/KEM.604.63 Conference proceedings at Scopus Article at Scopus Conference proceedings at WOS Article at WOS

Erratum to : Thermodynamic approach to generalized continua
Van, Peter; **Berezovski, Arkadi**; Papenfuss, Christina Continuum mechanics and thermodynamics 2014 / p. 421-422 https://doi.org/10.1007/s00161-014-0332-2 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

ETSI SmartBAN architecture: The global vision for smart body area networks
Hamalainen, Matti; Mucchi, Lorenzo; Girod-Genet, Marc; Paso, Tuomas; Farserotu, John; Tanaka, Hirokazu; Anzai, Daisuke;

Pierucci, Laura; **Khan, Rida**; **Alam, Muhammad Mahtab** IEEE Access 2020 / art. 9167215, p. 150611-150625 https://doi.org/10.1109/ACCESS.2020.3016705 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Evaluating the energy readiness of national building stocks through benchmarking
Ferrantelli, Andrea; **Belikov, Juri**; **Petlenkov, Eduard**; **Thalfeldt, Martin**; **Kurnitski, Jarek** IEEE Access 2022 / p. 45430-45443 : ill https://doi.org/10.1109/ACCESS.2022.3170716 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Evaluation of residual stresses in PVD coatings by means of strip substrate length variation and curvature method of plate substrate
Lille, Harri; Ryabchikov, Alexander; Kõo, Jakub; **Adoberg, Eron**; **Lind, Liina**; **Kurissoo, Liisa**; **Peetsalu, Priidu** Materials Engineering 2017 : selected, peer reviewed papers from the 26th International Baltic Conference on Materials Engineering 2017, October 26-27, Kaunas, Lithuania 2017 / p. 212-218 https://doi.org/10.4028/www.scientific.net/SSP.267.212 Journal metrics at Scopus Article at Scopus

Evaluation of residual stresses in PVD coatings by means of the curvature method of plate
Lille, Harri; Ryabchikov, Alexander; **Adoberg, Eron**; **Kurissoo, Liisa**; **Peetsalu, Priidu**; **Lind, Liina** Engineering materials and tribology XXV 2017 / p. 404-408 https://doi.org/10.4028/www.scientific.net/KEM.721.404 Conference proceedings at Scopus Article at Scopus

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

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

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

Evolution of microstructure and hardness in aluminum processed by high pressure torsion extrusion
Omranpour Shahreza, Babak; Ivanisenko, Yulia; Kulagin, Roman; **Kommel, Lembit**; Sanchez, E. Garcia; Nugmanov, Dayan; Scherer, Torsten; Heczel, Anita; Gubicza, Jeno Materials Science and Engineering : A 2019 / art. 138074, 10 p. : ill https://doi.org/10.1016/j.msea.2019.138074 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Evolution of microstructure and mechanical properties of LM25–HEA composite processed through stir casting with a bottom pouring system
Chinababu, Mekala; Krishna, Nandivelegu Naga; Sivaprasad, Katakam; **Prashanth, Konda Gokuldoss**; Bhaskara, Eluri Materials 2022 / art. 230 https://doi.org/10.3390/ma15010230 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Evolution of TiN coating surface roughness during physical vapor deposition on high speed steel substrate
Kupchenko, Leonid; **Tali, Rauno**; **Adoberg, Eron**; **Mikli, Valdek**; **Podgurski, Vitali** Engineering materials & tribology XXII 2014 / p. 67-70 https://doi.org/10.4028/www.scientific.net/KEM.604.67 Conference proceedings at Scopus Article at Scopus

An exhaustive multi-aspect analysis of swarm intelligence algorithms in numerical association rule mining
Kaushik, Minakshi; **Sharma, Rahul**; **Koiva, Pilleriin**; Fister, Iztok; **Draheim, Dirk** IEEE Access 2024 / p. 138985 - 139002 https://doi.org/10.1109/ACCESS.2024.3417334 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Experimental analysis of engine performance and exhaust pollutant on a single-cylinder diesel engine operated using moringa oleifera biodiesel
Soudagar, Manzoore Elahi M.; Khan, Haris Mahmood; Khan, M. Yunus; Razzaq, Luqman; Asif, Tahir; Mujtaba, M. A.; **Hussain, Abrar** Applied sciences 2021 / p. 7071−7089 https://doi.org/10.3390/app11157071 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Experimental and numerical analysis of HPTE on mechanical properties of materials and strain distribution
Omranpour Shahreza, Babak; Kulagin, Roman; Ivanisenko, Yulia; Sanchez, E. Garcia 7th International Conference on Nanomaterials by Severe Plastic Deformation 2–7 July 2017, Sydney, Australia 2017 / art. 012047, 6 p.: ill https://doi.org/10.1088/1757-899X/194/1/012047 Conference proceedings at Scopus Article at Scopus Article at WOS

Experimental investigations on stiffened and Web-core sandwich panels made for steel under quasi-static penetration
Romanoff, Jani; **Kõrgesaar, Mihkel**; Lehto, Pauli; Berntsson, Kennie; Remes, Heikki Procedia Structural Integrity, Vol. 37, C 2021 / p. 17-24 : ill https://doi.org/10.1016/j.prostr.2022.01.055 Conference proceedings at Scopus Article at Scopus Article at WOS

Experimental observation of crack formation on surface of charring timber

Rinta-Paavola, Aleksi; **Ferrantelli, Andrea**; Hostikka, Simo Fire safety journal 2024 / art. 104231
https://doi.org/10.1016/j.firesaf.2024.104231 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Experimental study of noise barrier boards with increased acoustic performance by utilizing Helmholtz resonator effects
Lavrentjev, Jüri; **Rämmal, Hans** Materials today: proceedings 2020 / p. 2566-2571 https://doi.org/10.1016/j.matpr.2020.05.402
Conference proceedings at Scopus Article at Scopus Article at WOS

Experimental study of the charring of I-joists and recession of combustible insulation in light timber frame assemblies with comparison to Eurocode 5
Bøe, Andreas Sæter; **Mäger, Katrin Nele**; Friquin, Kathinka Leikanger; **Just, Alar** Fire Technology 2023 / p. 3283 - 3325
https://doi.org/10.1007/s10694-023-01464-x Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Extended ZVS-On/ZCS-Off range for CF-DAB converter under DCM operation for residential energy storage systems
Carvalho da Silva, Edivan Laercio; Cardoso, Rafael; Felipe, Carla Aparecida; Stein, Carlos Marcelo De Oliveira; Bellinaso, Lucas Vizzotto; Michels, Leandro; **Vinnikov, Dmitri** IEEE Access 2023 / p. 119231-119243 https://doi.org/10.1109/ACCESS.2023.3327219
Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Fabrication of NiO/NiAl2O4 nanofibers by combustion method
Aghayan, Marina; **Hussainova, Irina** Engineering materials and tribology : selected, peer reviewed papers from the 24th International Baltic Conference on Engineering Materials & Tribology (BALTMATTRIB & IFHTSE 2015), November 5-6, 2015, Tallinn, Estonia 2016 / p. 31-34 : ill https://doi.org/10.4028/www.scientific.net/KEM.674.31 Conference Proceedings at Scopus Article at Scopus

Fast and fair computation offloading management in a swarm of drones using a rating-based federated learning approach
Rahbari, Dadmehr; **Alam, Muhammad Mahtab**; **Le Moullec, Yannick**; **Jenihhin, Maksim** IEEE Access 2021 / p. 113832-113849
https://doi.org/10.1109/ACCESS.2021.3104117 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Fault management techniques to enhance the reliability of power electronic converters : an overview
Rahimpour, Saeed; **Husev, Oleksandr**; **Vinnikov, Dmitri**; Vosoughi Kurdkandi, Naser; Tarzamni, Hadi IEEE Access 2023 / p. 13432-13446 https://doi.org/10.1109/ACCESS.2023.3242918 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

A few-layered graphene on alumina nanofibers for electrochemical energy conversion
Hussainova, Irina; **Ivanov, Roman**; Stamatin, Serban; Anoshkin, Ilya; Skou, Eivind; Nasibulin, Albert Carbon 2015 / p. 157-164 : ill
https://doi.org/10.1016/j.carbon.2015.03.004 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Fiber laser welded cobalt super alloy L605 : optimization of weldability characteristics
Prasad, B. Hari; Madhusudhan Reddy, G.; Das, Alok Kumar; **Prashanth, Konda Gokuldoss** Materials 2022 / art. 7708
https://doi.org/10.3390/ma15217708 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

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

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

Fibrous alumina-based Ni-MOx (M = Mg, Cr, Ce) catalysts for propane pre-reforming
Uskov, S. I.; Potemkin, D. I.; **Kamboj, Nikhil Kumar**; Snytnikov, P.V.; **Hussainova, Irina** Materials letters 2019 / art. 126741, 4 p. : ill
https://doi.org/10.1016/j.matlet.2019.126741 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Field measurements and simulation of an massive wood panel envelope with ETICS
Kukk, Villu; **Kers, Jaan**; **Kalamees, Targo** Wood material science and engineering 2021 / p. 27-34 : ill
https://doi.org/10.1080/17480272.2020.1712738 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Finite element based meta-modeling of ship-ice interaction at shoulder and midship areas for ship performance simulation
Li, Fang; **Kõrgesaar, Mihkel**; Kujala, Pentti; Goerlandt, Floris Marine structures 2020 / art. 102736
https://doi.org/10.1016/j.marstruc.2020.102736 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Fire design of CLT in Europe
Östman, Birgit; Schmid, Joachim; Klippel, Michael; **Just, Alar**; Werther, Norman; Brandon, Daniel Wood and Fiber Science 2018 / p. 68-82 https://doi.org/10.22382/wfs-2018-041 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Fire protection provided by clay and lime plasters
Liblik, Johanna; **Küppers, Judith**; **Maaten, Birgit**; **Just, Alar** Wood Material Science & Engineering 2021 / p. 290-298 https://doi.org/10.1080/17480272.2020.1714726 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Fire tests on glued-laminated timber beams with specific local material properties
Fahrni, Reto; Klippel, Michael; **Just, Alar**; Ollinoc, A.; Frangi, Andrea Fire safety journal 2019 / p. 161-169 : ill https://doi.org/10.1016/j.firesaf.2017.11.003 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Forecasting available demand-side flexibility
Ahmadiahangar, Roya; **Rosin, Argo**; **Palu, Ivo**; Azizi, Aydin Demand-side flexibility in smart grid 2020 / p. 39-49 https://doi.org/10.1007/978-981-15-4627-3_4 Journal metrics at Scopus Article at Scopus

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

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

Fractional-order modeling and control of ionic polymer-metal composite actuator
Tepljakov, Aleksei; Vunder, Veiko; **Petlenkov, Eduard**; Nakshatharan, S Sunjai; Punning, Andres; **Kaparin, Vadim**; **Belikov, Juri**; Aabloo, Alvo Smart materials and structures 2019 / 12 p. : ill https://doi.org/10.1088/1361-665X/ab2c75 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Fracture and Damage to the Material accounting for Transportation Crash and Accident
Ridwan; **Putranto, Teguh**; Laksono, Fajar Budi; Prawobo, Aditya Rio Procedia Structural Integrity, vol. 27 2020 / p. 38-45 https://doi.org/10.1016/j.prostr.2020.07.006 Conference proceedings at Scopus Article at Scopus Article at WOS

Fracture description of AZ61 Mg-Al_2O_3 materials studied by "in situ tensile test in SEM"
Besterci, Michal; Nagy, Štefan; Huang, Song-Jeng; Velgosova, Oksana; Sülleiova, Katarina; **Kulu, Priit** Engineering materials and tribology : selected, peer reviewed papers from the 24th International Baltic Conference on Engineering Materials & Tribology (BALTMATTRIB & IFHTSE 2015), November 5-6, 2015, Tallinn, Estonia 2016 / p. 165-172 : ill https://doi.org/10.4028/www.scientific.net/KEM.674.165 Conference Proceedings at Scopus Article at Scopus

Frequency-dependent attenuation and phase velocity dispersion of an acoustic wave propagating in the media with damages
Stulov, Anatoli; Erofeev, Vladimir Generalized continua as models for classical and advanced materials 2016 / p. 413-423 https://doi.org/10.1007/978-3-319-31721-2_19 Article collection metrics at Scopus Article at Scopus Article at WOS

Friction welding of electron beam melted Ti-6Al-4V
Qin, P.T.; Damodaram, R.; Maity, Tapabrata; Zhang, W.W.; Yang, C.; Wang, Zhi; **Prashanth, Konda Gokuldoss** Materials Science and Engineering : A 2019 / art. 138045, 6 p. : ill https://doi.org/10.1016/j.msea.2019.138045 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Functionally graded tunable microwave absorber with graphene-augmented alumina nanofibers
Shamshirgar, Ali Saffar; **Rojas Hernandez, Rocio Estefania**; Tewari, Girish C.; Fernandez, Jose Francisco; **Ivanov, Roman**; Karppinen, Maarit; **Hussainova, Irina** ACS applied materials & interfaces 2021 / p. 21613-21625 https://doi.org/10.1021/acsami.1c02899 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Gas-phase optical fiber photocatalytic reactors for indoor air application : a preliminary study on performance indicators
Palmiste, Ülar; **Voll, Hendrik** IOP conference series : materials science and engineering 2017 / art. 012055, p. 1-7 https://doi.org/10.1088/1757-899X/251/1/012055 Journal metrics at Scopus Article at Scopus Article at WOS

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

Gradient scattered light method for non-destructive stress profile determination in chemically strengthened glass

Hödemann, Siim; Valdmann, Andreas; **Anton, Johan**; Murata, Takashi Journal of materials science 2016 / p. 5962-5978 : ill https://doi.org/10.1007/s10853-016-9897-4 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

Growth and characterization of Cu2Zn1−xFexSnS4 thin films for photovoltaic applications
Trifiletti, Vanira; Tseberlidis, Giorgio; Colombo, Mario; Spinardi, Alberto; Luong, Sally; **Danilson, Mati**; **Grossberg, Maarja**; Fenwick, Oliver; Binetti, Simona Materials 2020 / art. 1471, 13 p. : ill https://doi.org/10.3390/ma13061471 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Growth of ZnO rods on FTO electrodes by spray pyrolysis
Dedova, Tatjana; **Volobujeva, Olga**; **Krunks, Malle**; **Mikli, Valdek**; **Gromõko, Inga**; **Katerski, Atanas**; **Mere, Arvo** IOP conference series : materials science and engineering 2013 / [4] p. : ill https://doi.org/10.1088/1757-899X/49/1/012001 Conference Proceedings at Scopus Article at Scopus Article at WOS

Hardness, corrosion behavior, and microstructural characteristics of a selective laser melted 17-4 PH steel : technical note
Chaitanya, P.; Goud, R.; Raghavan, R.; Ramakrishna, M.; **Prashanth, Konda Gokuldoss**; **Gollapudi, S.** CORROSION : The Journal of Science and Engineering 2022 / p. 465-472 https://doi.org/10.5006/3962 Journal metrics at Scopus Article at scopus Journal metrics at WOS Article at WOS

Heat conduction in microstructured solids
Berezovski, Arkadi; Ván, Peter Internal variables in thermoelasticity 2017 / p. 131-145 https://doi.org/10.1007/978-3-319-56934-5_10 Article collection metrics at Scopus Article at Scopus Article at WOS

Heat conductive plates from recycled niobium slag
Kulu, Priit; **Goljandin, Dmitri**; **Viljus, Mart**; **Traksmaa, Rainer**; **Gregor, Andre** Solid State Phenomena ; 320 2021 / p. 169-175 https://doi.org/10.4028/www.scientific.net/SSP.320.169 Conference proceedings at Scopus Article at Scopus

Heat treatment of ultrafine grained high-strength aluminum alloy
Pramono, Agus; **Kollo, Lauri**; **Kallip, Kaspar**; **Veinthal, Renno**; **Gomon, Jaana-Kateriina** Engineering materials & tribology XXII 2014 / p. 273-276 : ill https://doi.org/10.4028/www.scientific.net/KEM.604.273 Conference proceedings at Scopus Article at Scopus Conference proceedings at WOS Article at WOS

Hierarchical nanostructures of ZnO obtained by spray pyrolysis
Dedova, Tatjana; **Krunks, Malle**; **Oja Acik, Ilona**; **Klauson, Deniss**; **Volobujeva, Olga**; **Mere, Arvo** Materials chemistry and physics 2013 / p. 69-75 : ill https://doi.org/10.1016/j.matchemphys.2013.04.026 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

High energy milling of WC-FeCr cemented carbide
Tarraste, Marek; **Kübarsepp, Jakob**; **Juhani, Kristjan**; **Kolnes, Märt**; **Viljus, Mart** Modern Materials and Manufacturing 2019 : 12th International DAAAM Baltic Conference and 27th International Baltic Conference BALTMATTRIB 2019. Selected, peer reviewed papers from the conference Modern Materials and Manufacturing 2019 (MMM 2019), April 24-26, 2019, Tallinn, Estonia 2019 / p. 136-141 : ill https://www.scientific.net/KEM.799.136 https://www.ester.ee/record=b5235278*est https://doi.org/10.4028/www.scientific.net/KEM.799.136 Conference proceeding at Scopus Article at Scopus

High temperature corrosion and remaining lifetime assessment of ferritic steel 13CrMo4-4 tubes in a convective superheater of a CFB oil shale boiler
Dedov, Andrei; **Klevtsov, Ivan**; **Lausmaa, Toomas**; **Bojarinova, Tatjana** Corrosion science 2020 / art. 108311 https://doi.org/10.1016/j.corsci.2019.108311 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

High temperature corrosion of boiler steels in hydrochloric atmosphere under oil shale ashes
Priss, Jelena; Rojacz, Harald; **Klevtsov, Ivan**; **Dedov, Andrei**; Winkelmann, Horst; Badisch, Ewald Corrosion science 2014 / p. 36-44 : ill https://doi.org/10.1016/j.corsci.2013.12.016 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

High temperature cyclic impact/abrasion testing of boiler steels
Priss, Jelena; **Klevtsov, Ivan**; **Dedov, Andrei**; **Antonov, Maksim**; Rojacz, Harald; Badisch, Ewald Engineering materials & tribology XXII 2014 / p. 289-292 https://doi.org/10.4028/www.scientific.net/KEM.604.289 Conference proceedings at Scopus Article at Scopus Conference proceedings at WOS Article at WOS

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

proceedings at WOS Article at WOS

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

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

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

Higher-order Haar wavelet method for vibration analysis of nanobeams
Majak, Jüri; Shvartsman, Boris; **Ratas, Mart**; Bassir, David; **Pohlak, Meelis**; **Karjust, Kristo**; **Eerme, Martin** Materials today communications 2020 / art. 101290, 6 p. : tab https://doi.org/10.1016/j.mtcomm.2020.101290 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

High-performance buck-boost partial power quasi-Z-source series resonance converter
Abdelrahim Abdelghafour, Omar Mohamed; **Chub, Andrii**; **Mashinchi Maheri, Hamed**; **Blinov, Andrei**; **Vinnikov, Dmitri** IEEE Access 2022 / p. 13017-130189 https://doi.org/10.1109/ACCESS.2022.3225751 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

High-temperature wear performance of hBN-added Ni-W composites produced from combustion-synthesized powders
Kumar, Rahul, 1993-; **Aydinyan, Sofiya**; **Ivanov, Roman**; **Liu, Le**; **Antonov, Maksim**; **Hussainova, Irina** Materials 2022 / art. 1252 https://doi.org/10.3390/ma15031252 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

High-voltage diffusion-welded stacks on the basis of SiC Schottky diodes
Korolkov, Oleg; **Sleptšuk, Natalja**; **Annus, Paul**; **Land, Raul**; **Rang, Toomas** Silicon carbide and related materials 2015 (ICSRM 2015) : selected, peer reviewed papers from the 16th International Conference on Silicon Carbide and Related Materials, October 4-9, 2015, Giardini Naxos, Italy 2016 / p. 790-794 : ill https://doi.org/10.4028/www.scientific.net/MSF.858.790 Conference Proceedings at Scopus Article at Scopus

Home energy management systems: A review of the concept, architecture, and scheduling strategies
Han, Binghui; **Zahraoui, Younes**; Mubin, Marizan; Mekhilef, Saad; Seyedmahmoudian, Mehdi; Stojcevski, Alex IEEE Access 2023 / p. 19999-20025 https://doi.org/10.1109/ACCESS.2023.3248502 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Hot sliding wear of 88 wt.%TiB-Ti composites from SHS produced powders
Kumar, Rahul, 1993-; **Liu, Le**; **Antonov, Maksim**; **Ivanov, Roman**; **Hussainova, Irina** Materials 2021 / art. 1242, 14 p.: ill https://doi.org/10.3390/ma14051242 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Hourly consumption profiles of domestic hot water for different occupant groups in dwellings
Ahmed, Kaiser; Pylsy, Petri; **Kurnitski, Jarek** Solar energy 2016 / p. 516-530 : ill https://doi.org/10.1016/j.solener.2016.08.033 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Hybrid graphene/alumina nanofibers for electrodonductive zirconia
Drozdova, Maria; Perez-Coll, Domingo; **Aghayan, Marina**; **Ivanov, Roman**; Rodriguez, Miguel Angel; **Hussainova, Irina** Engineering materials and tribology : selected, peer reviewed papers from the 24th International Baltic Conference on Engineering Materials & Tribology (BALTMATTRIB & IFHTSE 2015), November 5-6, 2015, Tallinn, Estonia 2016 / p. 15-20 : ill https://doi.org/10.4028/www.scientific.net/KEM.674.15 Conference Proceedings at Scopus Article at Scopus

Hybrid metal-ceramic biomaterials fabricated through powder bed fusion and powder metallurgy for improved impact resistance of craniofacial implants
Rahmani Ahranjani, Ramin; **Kamboj, Nikhil Kumar**; Brojan, Miha; **Antonov, Maksim**; **Prashanth, Konda Gokuldoss** Materialia 2022 / art. 101465 https://doi.org/10.1016/j.mtla.2022.101465 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Hybrid syntactic foams of metal - fly ash cenosphere - clay

Shishkin, Andrei; Mironovs, Viktors; Zemchenkov, Vjacheslav; **Antonov, Maksim**; **Hussainova, Irina** Engineering materials and tribology : selected, peer reviewed papers from the 24th International Baltic Conference on Engineering Materials & Tribology (BALTMATTRIB & IFHTSE 2015), November 5-6, 2015, Tallinn, Estonia 2016 / p. 35-40 : ill
https://doi.org/10.4028/www.scientific.net/KEM.674.35 Conference Proceedings at Scopus Article at Scopus

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

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

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

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

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

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

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

Impact of pulsed deuterium plasma irradiation on dual-phase tungsten alloys
Tõkke, Siim; Laas, Tõnu; **Priimets, Jaanis**; **Mikli, Valdek**; **Antonov, Maksim** Fusion engineering and design 2021 / art. 112215, 10 p. : ill https://doi.org/10.1016/j.fusengdes.2020.112215 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Impact of vacuum and nitrogen annealing on HVE SnS photoabsorber films
Revathi, Naidu; **Loorits, Mihkel**; **Kärber, Erki**; **Volobujeva, Olga**; **Raudoja, Jaan**; **Maticiuc, Natalia**; **Bereznev, Sergei**; **Mellikov, Enn** Materials science in semiconductor processing 2017 / p. 252-257 : ill https://doi.org/10.1016/j.mssp.2017.08.004 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Impact of weft yarn density and core-yarn fibre composition on tensile properties, abrasion resistance and air permeability of denim fabrics
Mandre, Nele; **Plamus, Tiia**; **Krumme, Andres** Materials science 2021 / p. 483−491 : ill https://doi.org/10.5755/j02.ms.27532 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Impact pressure on mechanical properties of aluminum based composite by ECAP-parallel channel
Pramano, Agus; Dhoska, Klodian; Markja, Irida; **Kommel, Lembit** Pollack periodica 2019 / p. 67–74
https://doi.org/10.1556/606.2019.14.1.7 Journal metrics at Scopus Article at Scopus

Improved amorphous silicon passivation layer for heterojunction solar cells with post-deposition plasma treatment
Neumüller, Alex; Sergeev, Oleg; Heise, Stephan J.; **Bereznev, Sergei**; **Volobujeva, Olga** Nano energy 2018 / p. 228-235 : ill
https://doi.org/10.1016/j.nanoen.2017.11.053 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

An improved constitutive model for short fibre reinforced cementitious composites (SFRC) based on the orientation tensor
Herrmann, Heiko Generalized continua as models for classical and advanced materials 2016 / p. 213-227 https://doi.org/10.1007/978-

3-319-31721-2_10 Article collection metrics at Scopus Article at Scopus Article at WOS

Improved electrodeposition of CdS layers in presence of activating H2SeO3 microadditive
Maricheva, Jelena; **Bereznev, Sergei**; **Naidu, Revathi**; **Maticiuc, Natalia**; **Mikli, Valdek**; **Kois, Julia** Materials science in semiconductor processing 2016 / p. 14-19 : ill https://doi.org/10.1016/j.mssp.2016.06.013 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Improving Arabic text to image mapping using a robust machine learning technique
Zakraoui, Jezia; Elloumi, Samir; Alja'am, Jihad Mohamad; **Ben Yahia, Sadok** IEEE Access 2019 / p. 18772 - 18782 : ill https://doi.org/10.1109/ACCESS.2019.2896713 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Improving the oxygen barrier of polyamide food packaging by using nanoclay
Paara, Tõnis; Lange, Sven; Saal, Kristjan; Lõhmus, Rünno; **Krumme, Andres**; Mändar, Hugo Materials science = Medžiagotyra 2022 / p. 217-223 https://doi.org/10.5755/j02.ms.28868 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

In situ Mo(Si,Al)2-based composite through selective laser melting of a MoSi2-30 wt.% AlSi10Mg mixture
Minasyan, Tatevik; **Aydinyan, Sofiya**; Toyserkani, Ehsan; **Hussainova, Irina** Materials 2020 / art. 3720 ; 13 p https://doi.org/10.3390/ma13173720 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

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

In-depth feature selection for the statistical machine learning-based botnet detection in IoT networks
Kalakoti, Rajesh; **Nõmm, Sven**; **Bahsi, Hayretdin** IEEE Access 2022 / p. 94518-94535 https://doi.org/10.1109/ACCESS.2022.3204001 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Indoor hygrothermal loads for the deterministic and stochastic design of the building envelope for dwellings in cold climates
Ilomets, Simo; **Kalamees, Targo**; Vinha, Juha Journal of building physics 2018 / p. 547-577 : ill https://doi.org/10.1177/1744259117718442 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Influence of alkali iodide fluxes on Cu2ZnSnS4 monograin powder properties and performance of solar cells
Timmo, Kristi; **Pilvet, Maris**; **Muska, Katri**; **Altosaar, Mare**; **Mikli, Valdek**; **Kaupmees, Reelika**; **Josepson, Raavo**; **Krustok, Jüri**; **Grossberg-Kuusk, Maarja**; **Kauk-Kuusik, Marit** Materials advances 2023 / p. 4509-4519 : ill https://doi.org/10.1039/D3MA00444A Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

The influence of carbonation process on concrete bridges and durability in Estonian practice
Liisma, Eneli; **Sein, Sander**; **Järvpõld, M.** IOP conference series : materials science and engineering 2017 / art. 012072, 7 p. : ill https://doi.org/10.1088/1757-899X/251/1/012072 Journal metrics at Scopus Article at Scopus Article at WOS

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

Influence of Cr, Ti and Zr oxides formation on high temperature sliding of NiAl-based plasma spray coatings
Poliarus, Olena; Umanskyi, Oleksandr; Ukrainets, Maksym; Kostenko, Oleksii; **Antonov, Maksim**; **Hussainova, Irina** Engineering materials and tribology : selected, peer reviewed papers from the 24th International Baltic Conference on Engineering Materials & Tribology (BALTMATTRIB & IFHTSE 2015), November 5-6, 2015, Tallinn, Estonia 2016 / p. 308-312 : ill https://doi.org/10.4028/www.scientific.net/KEM.674.308 Conference Proceedings at Scopus Article at Scopus

Influence of Cu2S, SnS and Cu2ZnSnSe4 on optical properties of Cu2ZnSnS4
Mamedov, D.; **Klopov, Mihhail**; Karazhanov, S. Zh. Materials letters 2017 / p. 70-72 : ill https://doi.org/10.1016/j.matlet.2017.05.069 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

proceedings at Scopus Article at Scopus Conference proceedings at WOS Article at WOS

Influence of microstructure on thermoelastic wave propagation
Berezovski, Arkadi; Ván, Peter Internal variables in thermoelasticity 2017 / p. 163-172 https://doi.org/10.1007/978-3-319-56934-5_12 Article collection metrics at Scopus Article at Scopus Article at WOS

Influence of nonlinearity
Berezovski, Arkadi; Ván, Peter Internal variables in thermoelasticity 2017 / p. 113-120 https://doi.org/10.1007/978-3-319-56934-5_8 Article collection metrics at Scopus Article at Scopus Article at WOS

Influence of post-UV/ozone treatment of ultrasonic-sprayed zirconium oxide dielectric films for a low-temperature oxide thin film transistor
Oluwabi, Abayomi Titilope; Gaspar, Diana; **Katerski, Atanas**; **Mere, Arvo**; **Krunks, Malle**; Pereira, Luis; **Oja Acik, Ilona** Materials 2020 / art. 6, 14 p. : ill https://doi.org/10.3390/ma13010006 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Influence of powder characteristics on processability of AlSi12 alloy fabricated by selective laser melting
Baitimerov, Rustam; Lykov, Pavel; Zherebtsov, Dmitry; Radionova, Ludmila; Shultc, Alexey; **Prashanth, Konda Gokuldoss** Materials 2018 / art. 742, 14 p. : ill https://doi.org/10.3390/ma11050742 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

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

Influence of the flow of self-compacting steel fiber reinforced concrete on the fiber orientations, a report on work in progress
Herrmann, Heiko; **Goidyk, Oksana**; **Braunbrück, Andres** Short fibre reinforced cementitious composites and ceramics 2019 / p. 97-110 https://doi.org/10.1007/978-3-030-00868-0_7 Article collection metrics at Scopus Article at Scopus

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

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

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

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

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

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

Interaction of firefly luciferase and silver nanoparticles and its impact on enzyme activity
Käkinen, Aleksandr; Ding, Feng; Chen, Pengyu; Mortimer, Monika; Kahru, Anne; Ke, Pu Chun Nanotechnology 2013 / art. 345101

https://doi.org/10.1088/0957-4484/24/34/345101 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

The interaction pathway in the mechano-ultrasonically assisted and carbon-nanotubes augmented nickel-aluminum system
Nazaretyan, Khachik; Kirakosyan, Hasmik; **Volobujeva, Olga**; **Aydinyan, Sofiya** Metals 2022 / art. 436
https://doi.org/10.3390/met12030436 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Interface development for digital twin of an electric motor based on empirical performance model
Rassõlkin, Anton; **Rjabtšikov, Viktor**; **Kuts, Vladimir**; **Vaimann, Toomas**; **Kallaste, Ants**; **Asad, Bilal**; **Partyshev, Andriy** IEEE Access 2022 / p. 15635-15643 https://doi.org/10.1109/ACCESS.2022.3148708 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Interfaces in micromorphic materials : wave transmission and reflection with numerical simulations
Berezovski, Arkadi; Giorgio, Ivan; Della Corte, Alessandro Mathematics and mechanics of solids 2016 / p. 37-51 : ill
https://doi.org/10.1177/1081286515572244 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Interference and priority aware coexistence (IPC) algorithm for link scheduling in IEEE 802.15.6 based WBANs
Khan, Fawad Nawaz; Ahmad, Rizwan; Ahmed, Waqas; **Alam, Muhammad Mahtab**; Drieberg, Micheal IEEE Access 2019 / art. 8910561, p. 168736–168751 : ill Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Internal variables and microinertia
Berezovski, Arkadi; Ván, Peter Internal variables in thermoelasticity 2017 / p. 75-84 https://doi.org/10.1007/978-3-319-56934-5_5 Article collection metrics at Scopus Article at Scopus Article at WOS

Internal variables associated with microstructures in solids
Berezovski, Arkadi Mechanics research communications 2018 / p. 30-34 https://doi.org/10.1016/j.mechrescom.2017.07.011 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Internal variables representation of generalized heat equations
Berezovski, Arkadi Continuum mechanics and thermodynamics 2019 / p. 1733–1741 https://doi.org/10.1007/s00161-018-0729-4 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Internal variables used for describing the signal propagation in axons
Engelbrecht, Jüri; **Tamm, Kert**; **Peets, Tanel** Continuum mechanics and thermodynamics 2020 / p. 1619-1627
https://doi.org/10.1007/s00161-020-00868-2 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Introduction
Berezovski, Arkadi; Ván, Peter Internal variables in thermoelasticity 2017 / p. 21-33 https://doi.org/10.1007/978-3-319-56934-5_2 Article collection metrics at Scopus Article at Scopus

Investigating different sources of flexibility in power system
Ahmadiahangar, Roya; **Rosin, Argo**; **Palu, Ivo**; Azizi, Aydin Demand-side flexibility in smart grid 2020 / p. 27-37
https://doi.org/10.1007/978-981-15-4627-3_3 Journal metrics at Scopus Article at Scopus

Investigation of barrier inhomogeneities and electronic transport on Al-Foil/p-Type-4H-SiCSchottky barrier Diodes using diffusion welding
Ziko, Mehadi Hasan; **Koel, Ants**; **Rang, Toomas**; **Rashid, Muhammad Haroon** Crystals 2020 / p. 636-647
https://doi.org/10.3390/cryst10080636 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Investigation of Devulcanised Crumb Rubber Milling and Deagglomeration in Disintegrator System
Lapkovskis, Vjaceslavs; Mironovs, Viktors; Irtiseva, Kristine; **Goljandin, Dmitri**; Shishkin, Andrei Key engineering materials 2019 / p. 216−220 https://doi.org/10.4028/www.scientific.net/KEM.800.216 Conference proceeding at Scopus Article at Scopus

Investigation of morphology changes on nanocrystalline diamond film surfaces during reciprocating sliding against Si3N4 balls
Bogatov, Andrei; **Podgurski, Vitali**; **Raadik, Taavi**; Kamjula, A. R.; Hantschel, Thomas; Tsigkourakos, M.; **Kulu, Priit** Engineering materials & tribology XXII 2014 / p. 126-129 https://doi.org/10.4028/www.scientific.net/KEM.604.126 Conference proceedings at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

Investigation of steam turbine blades damage and reliability in a power plant
Molodtsov, Artjom; **Dedov, Andrei**; **Klevtsov, Ivan**; **Kommel, Lembit**; **Lausmaa, Toomas**; **Mikli, Valdek** Modern Materials and Manufacturing 2019 : 12th International DAAAM Baltic Conference and 27th International Baltic Conference BALTMATTRIB 2019. Selected, peer reviewed papers from the conference Modern Materials and Manufacturing 2019 (MMM 2019), April 24-26, 2019, Tallinn, Estonia 2019 / p. 89-94 : ill https://www.scientific.net/KEM.799.89 https://www.ester.ee/record=b5235278*est https://doi.org/10.4028/www.scientific.net/KEM.799.89 Conference proceeding at Scopus Article at Scopus

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

Investigations on new carbon-based nanohybrids combining carbon nanotubes, HfO2 and ZnO nanoparticles
Rauwel, Protima; Galeckas, Augustinas; **Salumaa, Martin**; **Aasna, Andres**; Ducroquet, Frederiquet; **Rauwel, Erwan** IOP conference series : materials science and engineering 2017 / art. 012064, p. 1-5 : ill https://doi.org/10.1088/1757-899X/175/1/012064 Conference proceedings at Scopus Article at Scopus Article at WOS

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

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

Joint reduction of NiO/WO3 pair and NiWO4 by Mg + C combined reducer at high heating rates
Zakaryan, Marieta; Nazaretyan, Khachik; **Aydinyan, Sofiya**; Kharatyan, Suren Metals 2021 / art. 1351, 13 p. : ill https://doi.org/10.3390/met11091351 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

K2CO3-containing composite sorbents based on a ZrO2 aerogel for reversible CO2 capture from ambient air
Veselovskaya, Janna; **Derevshchikov, Vladimir**; Shalygin, Anton S.; Yatsenko, Dmitry Microporous and Mesoporous Materials 2021 / art. 110624 https://doi.org/10.1016/j.micromeso.2020.110624 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Kinetic highlights of the reduction of silver tungstate by Mg + C combined reducer
Zakaryan, Marieta; Nazaretyan, Khachik; **Aydinyan, Sofiya**; Kharatyan, Suren Metals 2022 / art. 1000 https://doi.org/10.3390/met12061000 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Kinking in semiconductor nanowires : a review
Vlassov, Sergei; **Oras, Sven**; Polyakov, Boris; Butanovs, Edgars; Kyritsakis, Andreas; Zadin, Veronika Crystal growth & design 2022 / p. 871-892 https://doi.org/10.1021/acs.cgd.1c00802 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Language of driving for autonomous vehicles
Kalda, Krister; **Pizzagalli, Simone Luca**; **Soe, Ralf-Martin**; **Sell, Raivo**; **Bellone, Mauro** Applied sciences 2022 / art. 5406 https://doi.org/10.3390/app12115406 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Laser additive manufacturing of nano-TiC particles reinforced CoCrFeMnNi high-entropy alloy matrix composites with high strength and ductility
Chen, Hongyi; Lu, Twen; **Prashanth, Konda Gokuldoss**; Kosiba, Konrad Materials Science and Engineering : A 2022 / art. 142512 https://doi.org/10.1016/j.msea.2021.142512 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Laser powder-bed fusion of ceramic particulate reinforced aluminum alloys: a review
Minasyan, Tatevik; **Hussainova, Irina** Materials 2022 / art. 2467 https://doi.org/10.3390/ma15072467 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Latest research trends in gait analysis using wearable sensors and machine learning: A systematic review
Saboor, Abdul; **Kask, Triin**; **Kuusik, Alar**; **Alam, Muhammad Mahtab**; **Le Moullec, Yannick** IEEE Access 2020 / art. 3022818, p. 167830−167864 https://doi.org/10.1109/ACCESS.2020.3022818 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Layered structure of alumina/graphene-augmented-inorganic-nanofibers with directional electrical conductivity
Saffarshamshirgar, Ali; **Rojas Hernandez, Rocio Estefania**; **Mikli, Valdek**; **Karppinen, Maarit**; **Hussainova, Irina** Carbon 2020 / p. 634-645 https://doi.org/10.1016/j.carbon.2020.06.038 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Learning from few cyber-attacks : addressing the class imbalance problem in machine learning-based intrusion detection in software-defined networking
Mirsadeghi, Seyed Mohammad Hadi; **Bahsi, Hayretdin**; **Vaarandi, Risto**; Inoubli, Wissem IEEE Access 2023 / p. 140428 - 140442 https://doi.org/10.1109/ACCESS.2023.3341755 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

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

Light-induced strain and its correlation with the optical absorption at charged domain walls in polycrystalline ferroelectrics
Rubio-Marcos, Fernando; Pamies, Paula; Del Campo, Adolfo; Tiana, Jordi; Ordonez-Pimentel, Jonathan; Venet, Michel; **Rojas Hernandez, Rocio Estefania**; Ochoa, Diego A.; Fernandez, Jose F.; García, Jose E. Applied materials today 2023 / art. 101838 https://doi.org/10.1016/j.apmt.2023.101838 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

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

Machine learning assisted methodology for multiclass classification of malignant brain tumors
Vidyarthi, Ankit; Agarwal, Ruchi; Gupta, Deepak; **Sharma, Rahul**; **Draheim, Dirk**; Tiwari, Prayag IEEE Access 2022 / p. 50624-50640 https://doi.org/10.1109/ACCESS.2022.3172303 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Machine learning meets communication networks : current trends and future challenges
Ahmad, Ijaz; Shahabuddin, Shariar; Malik, Hassan; Leppänen, Teemu; Loven, Lauri; Anttonen, Antti; Sodhro, Ali Hassan; **Alam, Muhammad Mahtab**; Juntti, Markku; Yla-Jääski, Antti IEEE Access 2020 / art. 9274307, p. 223418-223460 https://doi.org/10.1109/ACCESS.2020.3041765 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

MARSTRUCT benchmark study on nonlinear FE simulation of an experiment of an indenter impact with a ship side-shell structure
Ringsberg, Jonas W.; Amdahl, Jörgen; Chen, Bai Qiao; Cho, Sang-Rai; **Kõrgesaar, Mihkel**; **Tabri, Kristjan** Marine structures 2018 / p. 142-157 https://doi.org/10.1016/j.marstruc.2018.01.010 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Material characterization for laminated glass composite panel
Väer, Kaur; Anton, Johan; **Klauson, Aleksander**; **Eerme, Martin**; **Õunapuu, Erko**; Tšukrejev, Pavel Journal of achievements in materials and manufacturing engineering 2017 / p. 11-17 https://doi.org/10.5604/01.3001.0010.2032 Journal metrics at Scopus Article at Scopus

Materials properties of magnesium and calcium hydroxides from first-principles calculations
Pishtshev, Aleksandr; Karazhanov, S. Zh.; **Klopov, Mihhail** Computational materials science 2014 / p. 693-705 : ill https://doi.org/10.1016/j.commatsci.2014.07.007 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

A mathematical model for abrasive erosion wear in composite Fe-based matrix with WC-Co reinforcement
Casesnoves, Francisco; **Surženkov, Andrei** Materials and contact characterisation VIII 2017 / p. 99-111 : ill https://doi.org/10.2495/MC170101 Conference proceedings at Scopus Article at Scopus

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

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

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

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

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

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

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

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

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

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

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

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

Mechanosynthesis of a bifunctional FeNi-N-C oxygen electrocatalyst via facile mixed-phase templating and preheating-pyrolysis
Kosimov, Akmal; Yusibova, Gulnara; Wojsiat, Ivan Tito; Aruväli, Jaan; Käärik, Maike; Leis, Jaan; Paaver, Peeter; Vlassov, Sergei; Kikas, Arvo; Kisand, Vambola; Piirsoo, Helle-Mai; Kukli, Kaupo; Heinmaa, Ivo; **Kaljuvee, Tiit**; Kongi, Nadezda Journal of Materials Chemistry A 2023 / p. 335 - 342 https://doi.org/10.1039/d3ta04580c Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Mesoporous fibrous silicon nitride by catalytic nitridation of silicon
Minasyan, Tatevik; **Liu, Le**; Aghayan, Marina; Rodriguez, Miguel Angel; **Aydinyan, Sofiya**; **Hussainova, Irina** Progress in natural science: materials international 2019 / p. 190-197 : ill https://doi.org/10.1016/j.pnsc.2019.03.017 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Metal-coated cenospheres obtained via magnetron sputter coating : a new precursor for syntactic foams
Shishkin, A.; **Hussainova, Irina**; Kozlov, V.; Lisnanskis, M.; Leroy, P.; Lehmhus, D. JOM : the journal of the minerals, metals & materials society 2018 / p. 1319-1325 : ill https://doi.org/10.1007/s11837-018-2886-0 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

A method for producing conductive graphene biopolymer nanofibrous fabrics by exploitation of an ionic liquid dispersant in electrospinning
Javed, Kashif; **Krumme, Andres**; **Viirsalu, Mihkel**; **Krasnou, Illia**; **Plamus, Tiia**; **Vassiljeva, Viktoria**; **Tarasova, Elvira**; **Savest, Natalja**; **Mere, Arvo**; **Mikli, Valdek**; **Danilson, Mati**; **Kaljuvee, Tiit**; Lange, Sven Carbon 2018 / p. 148-156 : ill https://doi.org/10.1016/j.carbon.2018.08.034 https://novaator.err.ee/873101/ttu-teadlaste-arendatud-tselluloosikangaga-saab-vajadusel-laadida-telefoni Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Microdeformation and microtemperature
Berezovski, Arkadi; Ván, Peter Internal variables in thermoelasticity 2017 / p. 175-190 https://doi.org/10.1007/978-3-319-56934-5_13 Article collection metrics at Scopus Article at Scopus Article at WOS

Microinertia and internal variables
Berezovski, Arkadi; Van, Peter Continuum mechanics and thermodynamics 2016 / p. 1027-1037 https://doi.org/10.1007/s00161-015-0453-2 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

Microstructure and mechanical properties of Al–(12-20)Si bi-material fabricated by selective laser melting
Zhang, Shikai; Ma, Pan; Jia, Yandong; Yu, Zhishui; Sokkalingam, Rathinavelu; Shi, Xuerong; Ji, Pengcheng; Eckert, Jürgen; **Prashanth, Konda Gokuldoss** Materials 2019 / art. 2126, 11 p. : ill https://doi.org/10.3390/ma12132126 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Microstructure and mechanical properties of NiTi-SS bimetallic structures built using wire arc additive manufacturing
Singh, Shalini; Jinoop, A. N.; Palani, Iyamperumal Anand; Paul, Christ Prakash; Tomar, K. P.; **Prashanth, Konda Gokuldoss** Materials letters 2021 / art. 130499, 4 p. : ill https://doi.org/10.1016/j.matlet.2021.130499 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

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

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

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

Microstructure formation and performance of reactive sintered titanium oxycarbide base ceramic-ceramic composites
Juhani, Kristjan; **Kübarsepp, Jakob**; **Tarraste, Marek**; **Pirso, Jüri**; **Viljus, Mart** Modern Materials and Manufacturing 2019 : 12th International DAAAM Baltic Conference and 27th International Baltic Conference BALTMATTRIB 2019. Selected, peer reviewed papers from the conference Modern Materials and Manufacturing 2019 (MMM 2019), April 24-26, 2019, Tallinn, Estonia 2019 / p. 131-135 : ill https://www.scientific.net/KEM.799.131 https://www.ester.ee/record=b5235278*est https://doi.org/10.4028/www.scientific.net/KEM.799.131 Conference proceeding at Scopus Article at Scopus

Microstructure, mechanical properties, and corrosion behavior of 06Cr15Ni4CuMo processed by using selective laser melting
Maya, Jayaraman; Sivaprasad, Katakam; Kumar, Guttula Venkata Sarath; Baitimerov, Rustam; Lykov, Pavel; **Prashanth, Konda Gokuldoss** Metals 2022 / art. 1303 https://doi.org/10.3390/met12081303 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Microstructure, texture and mechanical properties of cyclic expansion-extrusion deformed pure copper
Pardis, N.; Chen, C.; Ebrahimi, R.; **Kommel, Lembit** Materials science and engineering : A 2015 / p. 423-432 : ill https://doi.org/10.1016/j.msea.2015.01.003 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Mobile smart contracts : exploring scalability challenges and consensus mechanisms
Deval, Vipin; Dwivedi, Vimal Kumar; Dixit, Abhishek; Norta, Alex; Shah, Syed Attique; **Sharma, Rahul**; **Draheim, Dirk** IEEE Access 2024 / p. 34265 - 34288 https://doi.org/10.1109/ACCESS.2024.3371901 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Mo-Cu pseudoalloys by combustion synthesis and spark plasma sintering
Minasyan, Tatevik; Kirakosyan, Hasmik; **Aydinyan, Sofiya**; **Liu, Lei**; Kharatyan, Suren; **Hussainova, Irina** Journal of materials science 2018 / p. 16598–16608 https://doi.org/10.1007/s10853-018-2787-1 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

Modeling battery energy storage systems based on remaining useful lifetime through regression algorithms and binary classifiers
Zequera, Rolando Antonio Gilbert; **Rjabtšikov, Viktor**; **Rassõlkin, Anton**; **Vaimann, Toomas**; **Kallaste, Ants** Applied sciences 2023 / art. 7597 https://doi.org/10.3390/app13137597 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Modelling 2D wave motion in microstructured solids
Sertakov, Ivan; **Engelbrecht, Jüri**; **Janno, Jaan** Mechanics research communications 2014 / p. 42-49 : ill https://doi.org/10.1016/j.mechrescom.2013.11.007 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Modification of light absorption in thin CuInS2 films by sprayed Au nanoparticles
Katerski, Atanas; **Kärber, Erki**; **Oja Acik, Ilona**; Dolgov, Leonid; **Mere, Arvo**; Sildos, Ilmo; **Mikli, Valdek**; **Krunks, Malle** Nanoscale research letters 2014 / p. 1-6 : ill https://doi.org/10.1186/1556-276X-9-494 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

Mo(Si,Al)2 by laser powder bed fusion of AlSi10Mg and combustion synthesized MoSi2
Minasyan, Tatevik; **Ivanov, Roman**; **Toyserkani, Ehsan**; **Hussainova, Irina** Materials letters 2022 / art. 131041 https://doi.org/10.1016/j.matlet.2021.131041 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Mo(Si1-x,Alx)2-based composite by reactive laser powder-bed fusion
Minasyan, Tatevik; **Aydinyan, Sofiya**; **Liu, Le**; **Volobujeva, Olga**; Toyserkani, Ehsan; **Hussainova, Irina** Materials letters 2020 / art. 128776, 5 p. : ill https://doi.org/10.1016/j.matlet.2020.128776 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

An MPPT algorithm for PV systems based on a simplified photo-diode model
Restrepo, Carlos; Gonzalez-Castano, Catalina; Munoz, Javier; **Chub, Andrii**; Vidal-Idiarte, Enric; Giral, Roberto IEEE Access 2021 / p. 33189-33202 https://doi.org/10.1109/ACCESS.2021.3061340 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

MPPT performance enhancement of low-cost PV microconverters
Vinnikov, Dmitri; **Chub, Andrii**; **Korkh, Oleksandr**; **Liivik, Elizaveta**; Blaabjerg, Frede; Kouro, Samir Solar energy 2019 / p. 156-166 : ill https://doi.org/10.1016/j.solener.2019.05.024 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

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

Nano- and Micro-Scale simulations of Ge/3C-SiC and Ge/4H-SiC NN-heterojunction diodes
Rashid, Muhammad Haroon; **Koel, Ants**; **Rang, Toomas** Silicon Carbide and Related Materials 2019 : 18th International Conference on Silicon Carbide and Related Materials 2019 (ICSCRM 2019), Kyoto, Japan, September 29 - October 4, 2019 Materials science forum 2020 / p. 490-496 https://doi.org/10.4028/www.scientific.net/MSF.1004.490 Conference proceedings at Scopus Article at Scopus

Nano and micro-scale simulations of Si/4H-SiC and Si/3C-SiC NN-heterojunction diodes
Rashid, Muhammad Haroon; **Koel, Ants**; **Rang, Toomas** Silicon Carbide and Related Materials 2018 : 12thEuropean Conference on Silicon Carbide and Related Materials (ECSCRM 2018) : Selected, peer reviewed papers from the European Conference on Silicon Carbide and Related Materials (ECSCRM 2018), September 2-6, 2018,Birmingham, UK 2019 / p. 357–361 https://doi.org/10.4028/www.scientific.net/MSF.963.357 Conference proceeding at Scopus Article at Scopus

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

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

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

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

Nano-scale sulfurization of the Cu2ZnSnSe4 crystal surface for photovoltaic applications
Kauk-Kuusik, Marit; **Li, Xiaofeng**; **Pilvet, Maris**; **Timmo, Kristi**; **Mikli, Valdek**; **Kaupmees, Reelika**; **Danilson, Mati**; **Grossberg, Maarja** Journal of materials chemistry A 2019 / p. 24884-24890 : ill https://doi.org/10.1039/C9TA08020A Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

New approaches for increasing demand-side flexibility
Ahmadiahangar, Roya; **Rosin, Argo**; **Palu, Ivo**; Azizi, Aydin Demand-side flexibility in smart grid 2020 / p. 51-62 https://doi.org/10.1007/978-981-15-4627-3_5 Journal metrics at Scopus Article at Scopus

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

New methodology for the antifungal testing of surfactant-free silver metal nanoparticles for applications in green housing
Küünal, Siim; **Kutti, Sander**; **Rauwel, Protima**; Wragg, David; **Hussainova, Irina**; **Rauwel, Erwan** Engineering materials and tribology : selected, peer reviewed papers from the 24th International Baltic Conference on Engineering Materials & Tribology (BALTMATTRIB & IFHTSE 2015), November 5-6, 2015, Tallinn, Estonia 2016 / p. 133-138 : ill https://doi.org/10.4028/www.scientific.net/KEM.674.133 Conference Proceedings at Scopus Article at Scopus

A new six-level transformer-less grid-connected solar photovoltaic inverter with less leakage current
Vosoughi Kurdkandi, Naser; Marangalu, Milad Ghavipanjeh; Mohammadsalehian, Shamim; Tarzamni, Hadi; Siwakoti, Yam P.; Islam, Md. Rabiul; Muttaqi, Kashem M. IEEE Access 2022 / p. 63736 - 63753: ill https://doi.org/10.1109/ACCESS.2022.3182240 Journal

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

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

Non-destructive eddy current measurments for silicon carbide heterostructure analysis
Sahakyan, Armen; **Koel, Ants**; **Rang, Toomas** Materials and contact characterisation VIII 2017 / p. 49-60 : ill https://doi.org/10.2495/MC170061 Conference proceedings at Scopus Article at Scopus

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

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

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

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

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

A novel crack-free and refined 2195-Ti/CeB6 composites prepared by laser powder bed fusion
Xi, Lixia; Xu, Juncan; Gu, Dongdong; Feng, Lili; Lu, Qiuyang; **Prashanth, Konda Gokuldoss** Materials letters 2023 / art. 133572 https://doi.org/10.1016/j.matlet.2022.133572 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

A novel framework for unification of association rule mining, online analytical processing and statistical reasoning
Sharma, Rahul; **Kaushik, Minakshi**; **Arakkal Peious, Sijo**; Bazin, Alexandre; **Shah, Syed Attique**; Istok, Fister jr.; **Ben Yahia, Sadok**; **Draheim, Dirk** IEEE Access 2022 / p. 12792-12813 https://doi.org/10.1109/ACCESS.2022.3142537 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

Novel pathway for the combustion synthesis and consolidation of boron carbide
Zakaryan, Marieta; Zurnachyan, Alina; Amirkhanyan, Narine; Kirakosyan, Hasmik; **Antonov, Maksim**; Rodriguez, Miguel Angel; **Aydinyan, Sofiya** Materials 2022 / art. 5042 https://doi.org/10.3390/ma15145042 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

A novel thermochemical metal halide treatment to high-performance Sb2Se3 photocathode
Polivtseva, Svetlana; Adegite Olanrewaju, Joseph; Kois, Julia; Mamedov, Damir; Zh. Karazhanov, Smagul; **Maricheva, Jelena**; **Volobujeva, Olga** Nanomaterials 2021 / art. 52, 14 p https://doi.org/10.3390/nano11010052 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Novel universal power electronic interface for integration of pv modules and battery energy storages in residential DC microgrids
Sidorov, Vadim; **Chub, Andrii**; **Vinnikov, Dmitri**; Lindvest, Andre IEEE Access 2023 / p. 30845-30858 https://doi.org/10.1109/ACCESS.2023.3260640 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

nZEB renovation of multi-storey building with prefabricated modular panels

Pihelo, Peep; **Kalamees, Targo**; **Kuusk, Kalle** IOP conference series : materials science and engineering 2017 / art. 012056, 8 p. : ill https://doi.org/10.1088/1757-899X/251/1/012056 Conference proceedings at Scopus Article at Scopus Article at WOS

Numerical simulation of energy localization in dynamic materials
Berezovski, Mihhail; **Berezovski, Arkadi** Advances in mechanics of microstructured media and structures 2018 / p. 75-83 https://doi.org/10.1007/978-3-319-73694-5_5 Article collection metrics at Scopus Article at Scopus Article at WOS

Numerical study of Tallinn storm-water system flooding conditions using CFD simulations of multi-phase flow in a large-scale inverted siphon
Kaur, Katrin; **Laanearu, Janek**; **Annus, Ivar** IOP conference series : materials science and engineering 2017 / art. 012128, 8 p. : ill https://doi.org/10.1088/1757-899X/251/1/012128 Conference proceedings at Scopus Article at Scopus Article at WOS

Oil shale ash based backfilling concrete - strength development, mineral transformations and leachability
Uibu, Mai; Somelar, Peeter; **Raado, Lembi-Merike**; Irha, Natalja; **Hain, Tiina**; **Koroljova, Arina**; **Kuusik, Rein, keemik** Construction and building materials 2016 / p. 620-630 : ill https://doi.org/10.1016/j.conbuildmat.2015.10.197 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

On nonlinear waves in media with complex properties
Engelbrecht, Jüri; **Salupere, Andrus**; **Berezovski, Arkadi**; **Peets, Tanel**; **Tamm, Kert** Generalized models and non-classical approaches in complex materials ; 1 2018 / p. 275-286 https://doi.org/10.1007/978-3-319-72440-9_13 Journal metrics at Scopus Article at Scopus

On the application of 2D discrete spectral analysis in case of the KP equation
Salupere, Andrus; **Ratas, Mart** Mechanics research communications 2018 / p. 141-147 : ill https://doi.org/10.1016/j.mechrescom.2017.08.010 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

On the concept of flexibility in electrical power systems : signs of inflexibility
Ahmadiahangar, Roya; **Rosin, Argo**; **Palu, Ivo**; Azizi, Aydin Demand-side flexibility in smart grid 2020 / p. 17-26 https://doi.org/10.1007/978-981-15-4627-3_2 Journal metrics at Scopus Article at Scopus

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

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

On the potential of Transparent Rare-Earth-Free ZnAl2O4 Ceramics targeted at the UV-C to UV-B emission
Rojas Hernandez, Rocio Estefania; **Rubio-Marcos, Fernando**; Romet, Ivo; Feldbach, Eduard; Buryi, Maksym; John, David; **Ivanov, Roman**; **Hussainova, Irina**; Fernandez, José F.; Nagirnyi, Vitali Applied materials today 2024 / ar. 102230, 14 p. : ill https://doi.org/10.1016/j.apmt.2024.102230 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

On the wave dispersion in microstructured solids
Berezovski, Arkadi; Yildizdag, M. Erden; Scerrato, Daria Continuum mechanics and thermodynamics 2020 / p. 569-588 https://doi.org/10.1007/s00161-018-0683-1 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

One-dimensional microelasticity
Berezovski, Arkadi; Ván, Peter Internal variables in thermoelasticity 2017 / p. 99-111 https://doi.org/10.1007/978-3-319-56934-5_7 Article collection metrics at Scopus Article at Scopus Article at WOS

One-dimensional thermoelasticity with dual internal variables
Berezovski, Arkadi; Ván, Peter Internal variables in thermoelasticity 2017 / p. 147-162 https://doi.org/10.1007/978-3-319-56934-5_11 Article collection metrics at Scopus Article at Scopus Article at WOS

One-source PVD of n-CuIn5Se8 photoabsorber films for hybrid solar cells
Bereznev, Sergei; **Adhikari, Nirmal**; **Kois, Julia**; **Raadik, Taavi**; **Traksmaa, Rainer**; **Volobujeva, Olga**; **Kouhiisfahani, Elham**; **Öpik, Andres** Solar energy 2013 / p. 202-208 : ill https://doi.org/10.1016/j.solener.2013.04.027 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

One-step carbon nanotubes grafting with styrene-co-acrylonitrile by reactive melt blending for electrospinning of conductive reinforced composite membranes
Vassiljeva, Viktoria; **Kirikal, Kristi**; Hietala, S.; **Kaljuvee, Tiit**; **Mikli, Valdek**; Rähn, Mihkel; **Tarasova, Elvira**; **Krasnou, Illia**; **Viirsalu, Mihkel**; **Savest, Natalja**; **Plamus, Tiia**; **Javed, Kashif**; **Krumme, Andres** Fullerenes, nanotubes and carbon nanostructures 2017 / p. 667−677 : ill https://doi.org/10.1080/1536383X.2017.1394847 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

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

Opportunities and challenges of utilizing additive manufacturing approaches in thermal management of electrical machines
Ghahfarokhi, Payam Shams; Podgornovs, Andrejs; **Kallaste, Ants**; Cardoso, Antonio J. Marques; **Belahcen, Anouar**; **Vaimann, Toomas**; **Tiismus, Hans**; **Asad, Bilal** IEEE Access 2021 / art. 9364970, p. 36368-36381 : ill
https://doi.org/10.1109/ACCESS.2021.3062618 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Optical dynamics of copper-doped cadmium sulfide (CdS) and zinc sulfide (ZnS) quantum-dots core/shell nanocrystals
Rashid, Muhammad Haroon; **Koel, Ants**; **Rang, Toomas**; Nasir, Nadeem; Sabir, Nadeem; Ameen, Faheem; Rasheed, Abher Nanomaterials 2022 / art. 2277 https://doi.org/10.3390/nano12132277 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

Optimisation of plant mediated synthesis of silver nanoparticles by common weed Plantago major and their antimicrobial properties
Küünal, Siim; Visnapuu, Meeri; **Volobujeva, Olga**; Soares Rosario, Maria; **Rauwel, Protima**; **Rauwel, Erwan** IOP Conference Series : Materials Science and Engineering 2019 / art. 012003 https://doi.org/10.1088/1757-899X/613/1/012003 Conference proceedings at Scopus Article at Scopus Article at WOS

Optimisation of the ethylene glycol reduction method for the synthesis of platinum-ceria-carbon materials as catalysts for the methanol oxidation reaction
Nguyen, Huy; Nerut, Jaak; Kasuk, Heili; Härmas, Meelis; Valk, Peeter; Romann, Tavo; Koppel, Miriam; Teppor, Patrick; Aruväli, Jaan; Korjus, Ove; **Volobujeva, Olga**; Lust, Enn Journal of solid state electrochemistry 2023 / p. 313–326 : ill https://doi.org/10.1007/s10008-022-05326-4 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Optimization of lift force of mini quadrotor helicopter by changing of gap size between rotors
Aleksandrov, Dmitri; **Penkov, Igor** Mechatronic systems and materials IV 2013 / p. 226-231 : ill
https://doi.org/10.4028/www.scientific.net/SSP.198.226 Article collection metrics at Scopus Article at Scopus Article collection metrics at WOS Article at WOS

Optimization of physical activity recognition for real-time wearable systems : effect of window length, sampling frequency and number of features
Allik, Ardo; **Pilt, Kristjan**; **Karai, Deniss**; **Fridolin, Ivo**; **Leier, Mairo**; **Jervan, Gert** Applied sciences 2019 / art. 4833, 14 p. : ill
https://doi.org/10.3390/app9224833 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Optimization of radiators, underfloor and ceiling heater towards the definition of a reference ideal heater for energy efficient buildings
Ferrantelli, Andrea; **Võsa, Karl-Villem**; **Kurnitski, Jarek** Applied sciences 2018 / art. 2477, 22 p. : ill
https://doi.org/10.3390/app8122477 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Optimization of structure of hardmetal reinforced iron-based PM hardfacings for abrasive wear conditions
Simson, Taavi; **Kulu, Priit**; **Surženkov, Andrei**; **Goljandin, Dmitri**; **Tarbe, Riho**; **Tarraste, Marek**; **Viljus, Mart** Engineering materials and tribology XXV 2017 / p. 351-355 https://doi.org/10.4028/www.scientific.net/KEM.721.351 Conference proceedings at Scopus Article at Scopus

Optimization of the Sb2S3 shell thickness in ZnO nanowire-based extremely thin absorber solar cells
Hector, Guislain; **Eensalu, Jako Siim**; **Katerski, Atanas**; **Oja Acik, Ilona**; **Kärber, Erki** Nanomaterials 2022 / art. 198
https://doi.org/10.3390/nano12020198 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Optimized modulation scheme for four-leg quasi Z-source inverter : reducing power loss and improving output quality
Abid, Abderahmane; **Bakeer, Abualkasim Ahmed Ali**; Albalawi, Hani; Zellouma, Laid; Bouzidi, Mansour; Lashab, Abderezak; Rabhi, Boualaga; **Chub, Andrii** IEEE Access 2023 / p. 94125-94137 https://doi.org/10.1109/ACCESS.2023.3305263 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Optimizing the processing of shellfish (Mytilus edulis and M. trossulus Hybrid) biomass cultivated in the Low Salinity Region of the Baltic Sea for the extraction of meat and proteins
Adler, Indrek; **Kotta, Jonne**; Tuvikene, Rando; Kaldre, Katrin Applied sciences 2022 / art. 5163, 11 p. : ill https://doi.org/10.3390/app12105163 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Out-of-step protection based on discrete angle derivatives
Tealane, Marko; **Kilter, Jako**; Bagleybter, Oleg; Heimisson, Birkir; Popov, Marjan IEEE Access 2022 / p. 78290-78305 https://doi.org/10.1109/ACCESS.2022.3193390 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Overheating risk and energy demand of nordic old and new apartment buildings during average and extreme weather conditions under a changing climate
Farahani, Azin Velashjerdi; **Jokisalo, Juha**; Korhonen, Natalia; Jylhä, Kirsti; Ruosteenoja, Kimmo; **Kosonen, Risto** Applied sciences 2021 / art. 3972, 25 p. : ill https://doi.org/10.3390/app11093972 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

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

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

Parametric study on in situ Laser powder bed fusion of Mo(Si1−x,Alx)2
Minasyan, Tatevik; **Aydinyan, Sofiya**; Toyserkani, Ehsan; **Hussainova, Irina** Materials 2020 / art. 4849, 17 p. : ill https://doi.org/10.3390/ma13214849 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

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

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

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

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

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

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

Performances of PID and different fuzzy methods for controlling a ball on beam
Vu, Trieu Minh; **Tamre, Mart**; **Moezzi, Reza**; **Mets, Oliver**; **Jürise, Mart**; **Põlder, Ahti**; **Teder, Leo**; **Juurma, Märt** Open

engineering 2016 / p. 145-151 : ill https://doi.org/10.1515/eng-2016-0018 Journal metrics at Scopus Article at Scopus

Phase formation, microstructure and mechanical properties of Mg67Ag33 as potential biomaterial
Kosiba, Konrad; **Prashanth, Konda Gokuldoss**; Scudino, Sergio Metals 2021 / art. 461, 10 p. : ill https://doi.org/10.3390/met11030461 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Phase, microstructure, and wear behavior of Al2O3-reinforced Fe–Si alloy-based metal matrix nanocomposites
Saxena, Akash; **Singh, Neera**; Singh, Bhupendra; Kumar, Devendra; Sadasivuni, Kishor Kumar; Gupta, Pallav; Kumar, Devendra Proceedings of the institution of mechanical engineers part L Journal of Materials Design and Applications Journal of materials design and applications 2020 / art. 146442071989338, p. 467-480 https://doi.org/10.1177/1464420719893387 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

Photocurrent generation in carbon nanotube/cubic-phase HfO2 nanoparticle hybrid nanocomposites
Rauwel, Protima; Galeckas, Augustinas; **Salumaa, Martin**; Ducroquet, Frederiquet; **Rauwel, Erwan** Beilstein journal of nanotechnology 2016 / p. 1075-1085 : ill https://doi.org/10.3762/bjnano.7.101 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Photoluminescence study of deep donor- deep acceptor pairs in Cu2ZnSnS4
Krustok, Jüri; **Raadik, Taavi**; **Grossberg, Maarja**; **Kauk-Kuusik, Marit**; Trifiletti, V.; Binetti, S. Materials science in semiconductor processing 2018 / p. 52-55 : ill https://doi.org/10.1016/j.mssp.2018.02.025 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Photoluminescence study of defect clusters in Cu2ZnSnS4 polycrystals
Grossberg, Maarja; **Raadik, Taavi**; **Raudoja, Jaan**; **Krustok, Jüri** Current applied physics 2014 / p. 447-450 : ill https://doi.org/10.1016/j.cap.2013.12.029 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Photoluminescence study of disordering in the cation sublattice of Cu2ZnSnS4
Grossberg, Maarja; **Krustok, Jüri**; **Raadik, Taavi**; **Kauk-Kuusik, Marit**; **Raudoja, Jaan** Current applied physics 2014 / p. 1424-1427 : ill https://doi.org/10.1016/j.cap.2014.08.013 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

PLM optimization with cooperation of PMS in production stage
Paavel, Marko; **Snatkin, Aleksei**; **Karjust, Kristo** Archives of materials science and engineering 2013 / p. 38-45 : ill https://www.researchgate.net/publication/288610845_PLM_optimization_with_cooperation_of_PMS_in_production_stage Journal metrics at Scopus article at Scopus

Polyverif : an open-source environment for autonomous vehicle validation and verification research acceleration
Razdan, Rahul; Akbas, Mustafa Ilhan; **Sell, Raivo**; **Bellone, Mauro**; Menase, Mahesh; **Malayjerdi, Mohsen** IEEE Access 2023 / p. 28343-28354 https://doi.org/10.1109/ACCESS.2023.3258681 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

Positive pressure effect on moisture performance in a school building
Ferrantelli, Andrea; Vornanen-Winqvist, Camilla; Mattila, Milla; Salonen, Heidi; **Kurnitski, Jarek** Journal of building physics 2019 / p. 121-142 : ill https://doi.org/10.1177/1744259119837144 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

A positively charged composite loose nanofiltration membrane for water purification from heavy metals
Peydayesh, Mohammad; Mohammadi, Toraj; **Nikouzad, Sohail Kordmirza** Journal of Membrane Science 2020 / Art. n. 118205 https://doi.org/10.1016/j.memsci.2020.118205 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Postdeposition processing of SnS thin films and solar cells : prospective strategy to obtain large, sintered, and doped SnS grains by recrystallization in the presence of a metal halide flux
Spalatu, Nicolae; **Hiie, Jaan**; **Kaupmees, Reelika**; **Volobujeva, Olga**; **Krustok, Jüri**; **Oja Acik, Ilona**; **Krunks, Malle** ACS applied materials & interfaces 2019 / p. 17539–17554 : ill https://doi.org/10.1021/acsami.9b03213 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Potential of cross-laminated timber for independent shear wall systems
Tuhkanen, Eero; **Rauk, Lauri** Wood material science and engineering 2019 / p. 355-365 : ill
https://doi.org/10.1080/17480272.2019.1638450 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Powder metallurgy of Al0.1CoCrFeNi high-entropy alloy
Sokkalingam, Rathinavelu; **Tarraste, Marek**; Surreddi, Kumar Babu; **Mikli, Valdek**; Muthupandi, Veerappan; Sivaprasad, Katakam; **Prashanth, Konda Gokuldoss** Journal of materials research 2020 / p. 2835−2847 https://doi.org/10.1557/jmr.2020.272 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

PPG and bioimpedance-based wearable applications in heart rate monitoring – a comprehensive review
Lapsa, Didzis; Janeliukstis, Rims; **Metshein, Margus**; Selavo, Leo Applied sciences 2024 / art. 7451
https://doi.org/10.3390/app14177451 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Prediction of abrasive erosion impact wear of composite hardfacings
Kulu, Priit; **Casesnoves, Francisco**; **Simson, Taavi**; **Tarbe, Riho** Materials Engineering 2017 : selected, peer reviewed papers from the 26th International Baltic Conference on Materials Engineering 2017, October 26-27, Kaunas, Lithuania 2017 / p. 201-206
https://doi.org/10.4028/www.scientific.net/SSP.267.201 Conference proceedings at Scopus Article at Scopus

A predictive approach towards using PC-SAFT for modeling the properties of shale oil
Mozaffari, Parsa; **Baird, Zachariah Steven**; **Järvik, Oliver** Materials 2022 / art. 4221 https://doi.org/10.3390/ma15124221 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Preface
Herrmann, Heiko; Schnell, Jürgen Short fibre reinforced cementitious composites and ceramics 2019 / p. v-vi
https://doi.org/10.1007/978-3-030-00868-0 Article collection metrics at Scopus Article at Scopus

Preliminary analysis of soft magnetic material properties for additive manufacturing of electrical machines
Tiismus, Hans; **Kallaste, Ants**; **Rassõlkin, Anton**; **Vaimann, Toomas** Modern Materials and Manufacturing 2019 : 12th International DAAAM Baltic Conference and 27th International Baltic Conference BALTMATTRIB 2019. Selected, peer reviewed papers from the conference Modern Materials and Manufacturing 2019 (MMM 2019), April 24-26, 2019, Tallinn, Estonia 2019 / p. 270-275 : ill https://www.scientific.net/KEM.799.270 https://www.ester.ee/record=b5235278*est
https://doi.org/10.4028/www.scientific.net/KEM.799.270 Conference proceeding at Scopus Article at Scopus

Premature failure of an additively manufactured material
Wang, Zhi; Xie, Meishen; Li, Yuanyuan; Zhang, Weiwen; Yang, Chao; **Kollo, Lauri**; Eckert, Jürgen; **Prashanth, Konda Gokuldoss** Npg Asia materials 2020 / art. 30, 10 p. : ill https://doi.org/10.1038/s41427-020-0212-0 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Preparation and characterization of photocatalytically active antibacterial surfaces covered with acrylic matrix embedded nano-ZnO and nano-ZnO/Ag
Rosenberg, Merilin; Visnapuu, Meeri; Saal, Kristjan; Danilian, Dmytro; Pärna, Rainer; Ivask, Angela; Kisand, Vambola Nanomaterials 2021 / art. 3384 https://doi.org/10.3390/nano11123384 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

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

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

Procedure for implementing new materials to the component additive method
Mäger, Katrin Nele; **Just, Alar**; Schmid, Joachim; Werther, Norman; Klippel, Michael; Brandon, Daniel; Frangi, Andrea Fire safety journal 2019 / p. 149-160 : ill https://doi.org/10.1016/j.firesaf.2017.09.006 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Processing and mechanical properties of ZrC-ZrO2 composites
Voltšihhin, Nikolai; **Hussainova, Irina**; **Kübarsepp, Jakob**; **Traksmaa, Rainer** Engineering materials & tribology XXII 2014 / p. 258-261 https://doi.org/10.4028/www.scientific.net/KEM.604.258 Conference proceedings at Scopus Article at Scopus Conference

proceedings at WOS Article at WOS

Processing and properties of bulk ultrafine-grained pure niobium
Kommel, Lembit; **Kimmari, Eduard**; **Saarna, Mart**; **Viljus, Mart** Journal of materials science 2013 / p. 4723-4729 : ill https://doi.org/10.1007/s10853-013-7210-3 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Processing of Al-based composite material by selective laser melting: A perspective
Prashanth, Konda Gokuldoss Materials today: proceedings 2022 / p. 498-504 https://doi.org/10.1016/j.matpr.2022.01.391 Conference proceeding at Scopus Article at Scopus Article at WOS

Processing of ZrC-TiC composites by SPS
Yung, Der-Liang; **Hussainova, Irina**; Rodriguez, Miguel Angel; **Traksmaa, Rainer** Engineering materials and tribology : selected, peer reviewed papers from the 24th International Baltic Conference on Engineering Materials & Tribology (BALTMATTRIB & IFHTSE 2015), November 5-6, 2015, Tallinn, Estonia 2016 / p. 94-99 : ill https://doi.org/10.4028/www.scientific.net/KEM.674.94 Conference Proceedings at Scopus Article at Scopus

Production of thermal spray Cr3C2-Ni powders by mechanically activated synthesis
Tkachivskyi, Dmytro; **Juhani, Kristjan**; **Surženkov, Andrei**; **Kulu, Priit**; **Viljus, Mart**; **Traksmaa, Rainer**; Jankauskas, Vytenis; Leišys, Rimtautas Modern Materials and Manufacturing 2019 : 12th International DAAAM Baltic Conference and 27th International Baltic Conference BALTMATTRIB 2019. Selected, peer reviewed papers from the conference Modern Materials and Manufacturing 2019 (MMM 2019), April 24-26, 2019, Tallinn, Estonia 2019 / p. 31-36 : ill https://doi.org/10.4028/www.scientific.net/KEM.799.31 https://www.ester.ee/record=b5235278*est https://www.scientific.net/KEM.799.31 Conference proceeding at Scopus Article at Scopus

Progress in additive manufacturing of MoS2-based structures for energy storage applications – a review
Alinejadian, Navid; **Kollo, Lauri**; Odnevall Wallinder, Inger Materials science in semiconductor processing 2022 / 21 p. : ill https://doi.org/10.1016/j.mssp.2021.106331 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

Pulsed laser deposition of chalcogenide sulfides from multi- and single-component targets: the non-stoichiometric material transfer
Schou, Jorgen; Gansukh, Mungunshagai; Ettlinger, Rebecca B.; Cazzaniga, Andrea; **Grossberg, Maarja**; **Kauk-Kuusik, Marit**; Canulescu, Stela Applied physics. A, Materials science & processing 2018 / Art. nr. 78 https://doi.org/10.1007/s00339-017-1475-3 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Pultruding of metal powder filled glass fiber reinforced polymer composites
Rummo, Henri; **Veinthal, Renno**; **Aruniit, Aare** Engineering materials and tribology : selected, peer reviewed papers from the 24th International Baltic Conference on Engineering Materials & Tribology (BALTMATTRIB & IFHTSE 2015), November 5-6, 2015, Tallinn, Estonia 2016 / p. 48-53 : ill https://doi.org/10.4028/www.scientific.net/KEM.674.48 Conference Proceedings at Scopus Article at Scopus

PV-battery assisted three-level T-Type inverter for AC residential nanogrid realized with small-scale HIL units
Gutierrez-Escalona, Javier; **Roncero-Clemente, Carlos**; Gonzalez-Romera, Eva; Milanes-Montero, Maria Isabel; Husev, Oleksandr; Romero-Cadaval, Enrique IEEE Access 2023 / p. 48007 - 48021 https://doi.org/10.1109/ACCESS.2023.3276235 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

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

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

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

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

Raman spectroscopic study of In2S3 films prepared by spray pyrolysis
Kärber, Erki; **Otto, Kairi**; **Katerski, Atanas**; **Mere, Arvo**; **Krunks, Malle** Materials science in semiconductor processing 2014 / p. 137-142 : ill https://doi.org/10.1016/j.mssp.2013.10.007 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Raman spectroscopy of multilayered AlCrN coating under high temperature sliding/oxidation
Baroninš, Janis; **Antonov, Maksim**; **Bereznev, Sergei**; **Raadik, Taavi**; **Hussainova, Irina** Modern Materials and Manufacturing 2019 : 12th International DAAAM Baltic Conference and 27th International Baltic Conference BALTMATTRIB 2019. Selected, peer reviewed papers from the conference Modern Materials and Manufacturing 2019 (MMM 2019), April 24-26, 2019, Tallinn, Estonia 2019 / p. 9-14 https://www.scientific.net/KEM.799.9 https://www.ester.ee/record=b5235278*est https://doi.org/10.4028/www.scientific.net/KEM.799.9 Conference proceeding at Scopus Article at Scopus

Ransomware attack as Hardware Trojan : a feasibility and demonstration study
Almeida, Felipe; **Imran, Malik**; **Raik, Jaan**; **Pagliarini, Samuel Nascimento** IEEE Access 2022 / p. 44827-44839 https://doi.org/10.1109/ACCESS.2022.3168991 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Rational design of highly efficient flexible and transparent p-type composite electrode based on single-walled carbon nanotubes
Rajanna, Pramod M.; Meddeb, Hosni; **Bereznev, Sergei**; **Volobujeva, Olga**; **Danilson, Mati** Nano energy 2020 / art. 104183, 9 p. : ill https://doi.org/10.1016/j.nanoen.2019.104183 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

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

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

Recent contributions, future prospects and limitations of interlinking converter control in hybrid AC/DC microgrids
Najafzadeh, Mahdiyyeh; **Ahmadiahangar, Roya**; **Husev, Oleksandr**; **Roasto, Indrek**; **Jalakas, Tanel**; **Blinov, Andrei** IEEE Access 2021 / art. 9312595, p. 7960−7984 https://doi.org/10.1109/ACCESS.2020.3049023 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Recycling of niobium slag by disintegrator milling
Kulu, Priit; **Goljandin, Dmitri**; Külaviir, Jaan; **Hain, Tiina**; Kivisto, Mart Modern Materials and Manufacturing 2019 : 12th International DAAAM Baltic Conference and 27th International Baltic Conference BALTMATTRIB 2019. Selected, peer reviewed papers from the conference Modern Materials and Manufacturing 2019 (MMM 2019), April 24-26, 2019, Tallinn, Estonia 2019 / p. 97-102 : ill https://www.scientific.net/KEM.799.97 https://www.ester.ee/record=b5235278*est https://doi.org/10.4028/www.scientific.net/KEM.799.97 Conference proceeding at Scopus Article at Scopus

Redox reactivity at silver microparticle-glassy carbon contacts under a coating of polymer of intrinsic microporosity (PIM)
He, Daping; **Rauwel, Erwan**; Malpass-Evans, Richard; Carta, Mariolino Journal of solid state electrochemistry 2017 / p. 2141-2146 : ill https://doi.org/10.1007/s10008-017-3534-2 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Reduction-based engineering of three-dimensional morphology of Ni-rGO nanocomposite
Alinejadian, Navid; Nasirpouri, Farzad; Yus, Joaquin; Ferrari, Begona Materials Science and Engineering : B 2021 / art. 115259 https://doi.org/10.1016/j.mseb.2021.115259 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Regression models and fuzzy logic prediction of TBM penetration rate
Vu, Trieu Minh; **Katušin, Dmitri**; **Antonov, Maksim**; **Veinthal, Renno** Open engineering 2017 / p. 60-68 : ill https://doi.org/10.1515/eng-2017-0012 Journal metrics at Scopus Article at Scopus

ReImagine lab : bridging the gap between hands-on, virtual and remote control engineering laboratories using digital

twins and extended reality
Alsaleh, Saleh Ragheb Saleh; **Tepljakov, Aleksei**; **Köse, Ahmet**; **Belikov, Juri**; **Petlenkov, Eduard** IEEE Access 2022 / p. 89924-889943 : ill https://doi.org/10.1109/ACCESS.2022.3199371 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Research of the possibility of producing finely divided materials from natural raw materials for reactive powder concretes by mechanochemistry
Abramov, M.A.; Stepanov, E.G.; **Goljandin, Dmitri**; Dobrokhotov, V.B. Journal of physics : conference series 2019 / art. 012023, 5 p. : ill https://doi.org/10.1088/1757-899X/666/1/012023 Conference proceedings at Scopus Article at Scopus

Resource-aware scene text recognition using learned features, quantization, and contour-based character extraction
Ademola, Olutosin Ajibola; **Petlenkov, Eduard**; **Leier, Mairo** IEEE Access 2023 / p. 56865 - 56874 https://doi.org/10.1109/ACCESS.2023.3283931 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Review of basic classes of dividers based on division algorithm
Patankar, Udayan Sunil; **Koel, Ants** IEEE Access 2021 / p. 23035-23069 https://doi.org/10.1109/ACCESS.2021.3055735 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

A review of harmonic detection, suppression, aggregation and estimation techniques
Daniel, Kamran; **Kütt, Lauri**; **Iqbal, Muhammad Naveed**; **Shabbir, Noman**; **Raja, Hadi Ashraf**; **Sardar, Muhammad Usman** Applied sciences 2024 / art. 10966 https://doi.org/10.3390/app142310966 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

A review of the synthesis and photoluminescence properties of hybrid ZnO and carbon nanomaterials
Rauwel, Protima; **Salumaa, Martin**; **Aasna, Andres**; Galeckas, Augustinas; **Rauwel, Erwan** Journal of nanomaterials 2016 / art. 5320625, 12 p. : ill https://doi.org/10.1155/2016/5320625 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

A review on potential use of low-temperature water in the urban environment as a thermal-energy source
Laanearu, Janek; Borodinecs, Anatolijs; Rimeika, M.; Palm, B. IOP conference series : materials science and engineering 2017 / art. 012054, p. 1-9 : ill https://doi.org/10.1088/1757-899X/251/1/012054 Conference proceedings at Scopus Article at Scopus Article at WOS

A review on the green synthesis of silver nanoparticles and their morphologies studied via TEM
Rauwel, Protima; **Küünal, Siim**; Ferdov, Stanislav; **Rauwel, Erwan** Advances in materials science and engineering 2015 / p. 1-9 : ill https://doi.org/10.1155/2015/682749 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Review, analysis, and implementation of path selection strategies for 2D NoCs
Singh, Rajendra; Bohra, Manoj Kumar; Hemrajani, Prashant; Kalla, Anshuman; Bhatt, Devershi Pallavi; Purohit, Nitin; **Daneshtalab, Masoud** IEEE Access 2022 / p. 129245 - 129268 https://doi.org/10.1109/ACCESS.2022.3227460 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

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

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

The rising role of big data analytics and IoT in disaster management : recent advances, taxonomy and prospects
Shah, Syed Attique; Seker, Dursun Zafer; Hameed, Sufian; **Draheim, Dirk** IEEE Access 2019 / Art. nr. 8698814 https://doi.org/10.1109/ACCESS.2019.2913340 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Robust design optimization and emerging technologies for electrical machines: challenges and open problems
Orosz, Tamas; **Rassõlkin, Anton**; **Kallaste, Ants**; Arsenio, Pedro; Panek, David; Kaska, Jan; Karban, Pavel Applied sciences 2020 / art. 6653, 33 p. : ill https://doi.org/10.3390/app10196653 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

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

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

Sb2S3 thin-film solar cells fabricated from an antimony ethyl xanthate based precursor in air
Eensalu, Jako Siim; **Mandati, Sreekanth**; Don, Christopher H.; Finch, Harry; Dhanak, Vinod R.; Major, Jonathan D.; Grzibovskis, Raitis; Tamm, Aile; Ritslaid, Peeter; **Josepson, Raavo**; Käämbre, Tanel; Vembris, Aivars; **Spalatu, Nicolae**; **Krunks, Malle**; **Oja Acik, Ilona** ACS applied materials & interfaces 2023 / p. 42622-42636 https://doi.org/10.1021/acsami.3c08547 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Screen elements made of perforated steel tape and their application for shielding electromagnetic fields
Mironovs, Viktors; **Koppel, Tarmo**; Lisicins, Mihails; Boiko, Irina Engineering materials and tribology : selected, peer reviewed papers from the 24th International Baltic Conference on Engineering Materials & Tribology (BALTMATTRIB & IFHTSE 2015), November 5-6, 2015, Tallinn, Estonia 2016 / p. 41-47 : ill https://doi.org/10.4028/www.scientific.net/KEM.674.41 Conference Proceedings at Scopus Article at Scopus

A secure data infrastructure for personal manufacturing based on a novel key-less, byte-less encryption method
Vedešin, Anton; Dogru, John Mehmet Ulgar; **Liiv, Innar**; **Ben Yahia, Sadok**; **Draheim, Dirk** IEEE Access 2020 / p. 40039-40056 : ill https://doi.org/10.1109/ACCESS.2019.2946730 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Selective disintegration–milling to obtain metal-rich particle fractions from E-waste
Blumbergs, Ervins; Serga, Vera; Shishkin, Andrei; **Goljandin, Dmitri**; Shishko, Andrej; Zemcenkovs, Vjaceslavs; Markus, Karlis; Baroniņš, Janis; Pankratov, Vladimir Metals 2022 / art. 1468, 15 p. : ill https://doi.org/10.3390/met12091468 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

Selective laser melting of 316L stainless steel : Influence of TiB2 addition on microstructure and mechanical properties
Salaman, O. O.; Gammer, C.; Eckert, Jürgen; **Prashanth, Konda Gokuldoss** Materials today communications 2019 / art. 100615, 7 p. : ill https://doi.org/10.1016/j.mtcomm.2019.100615 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

Selective laser melting of commercially pure silicon
Lai, Zhouyi; Guo, Ting; Zhang, Shengting; Kollo, Lauri; Attar, Hooyar; Wang, Zhi; **Prashanth, Konda Gokuldoss** Journal Wuhan University of Technology, Materials Science Edition 2022 / p. 1155 - 1165 https://doi.org/10.1007/s11595-022-2647-3 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Selective laser melting of Cu-Ni-Sn : a comprehensive study on the microstructure, mechanical properties, and deformation behavior
Zhao, Chao; Wang, Zhi; Li, Daoxi; **Kollo, Lauri**; Luo, Zongqiang; Zhang, Weiwen; **Prashanth, Konda Gokuldoss** International journal of plasticity 2021 / art. 102926 https://doi.org/10.1016/j.ijplas.2021.102926 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Selective laser melting of diamond-containing or postnitrided materials intended for impact-abrasive conditions: experimental and analytical study
Rahmani Ahranjani, Ramin; **Antonov, Maksim**; **Kollo, Lauri** Advances in materials science and engineering 2019 / art. 4210762 ; 11 p. : ill https://doi.org/10.1155/2019/4210762 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Selective laser melting of high-strength, low-modulus Ti–35Nb–7Zr–5Ta alloy
Ummethala, Raghunandan; Karamched, Phani S.; Rathinavelu, Sokkalingam; Singh, Neera; Aggarwal, Akash; Sun, Kang; Ivanov, Eugene; **Kollo, Lauri**; Okulov, Ilya; Eckert, Jürgen; **Prashanth, Konda Gokuldoss** Materialia 2020 / art. 100941 https://doi.org/10.1016/j.mtla.2020.100941 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Selective laser melting of Inconel 718 : effect of thermal treatment on mechanical properties
Mohanty, Shalini; **Maurya, Himanshu Singh**; **Prashanth, Konda Gokuldoss** Materials today: proceedings 2023 / 5 p. : ill https://doi.org/10.1016/j.matpr.2023.03.164 Journal metrics at Scopus Article at Scopus

Selective laser melting of Ti/cBN composite
Minasyan, Tatevik; **Liu, Le**; **Aydinyan, Sofiya**; **Antonov, Maksim**; **Hussainova, Irina** Modern Materials and Manufacturing 2019 : 12th International DAAAM Baltic Conference and 27th International Baltic Conference BALTMATTRIB 2019. Selected, peer reviewed papers from the conference Modern Materials and Manufacturing 2019 (MMM 2019), April 24-26, 2019, Tallinn, Estonia 2019 / p. 257-262 : ill https://www.scientific.net/KEM.799.257 https://www.ester.ee/record=b5235278*est https://doi.org/10.4028/www.scientific.net/KEM.799.257 Conference proceeding at Scopus Article at Scopus

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

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

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

Selectively enhanced 1H-1H correlations in proton-detected solid-state NMR under ultrafast MAS conditions
Zhang, Zhengfeng; **Oss, Andres**; **Org, Mai-Liis**; **Samoson, Ago**; Li, Mingyue; Tan, Huan; Su, Yongchao; Yang, Jun The journal of physical chemistry letters 2020 / p. 8077−8083 : ill https://doi.org/10.1021/acs.jpclett.0c02412 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Self-lubricating materials for extreme temperature tribo-applications
Kumar, Rahul, 1993-; **Antonov, Maksim** Materials today: proceedings 2021 / p. 4583-4589 https://doi.org/10.1016/j.matpr.2020.10.824 Conference proceedings at Scopus Article at Scopus

Semitransparent Sb2S3 thin film solar cells by ultrasonic spray pyrolysis for use in solar windows
Eensalu, Jako Siim; **Katerski, Atanas**; **Kärber, Erki**; Weinhardt, Lothar; Blum, Monika; Heske, Clemens; **Oja Acik, Ilona**; **Krunks, Malle** Beilstein journal of nanotechnology 2019 / p. 2396−2409 https://doi.org/10.3762/bjnano.10.230 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Shape classification using hydrodynamic detection via a sparse large-scale 2D-sensitive artificial lateral line
Wolf, Ben J.; Pirih, Primoz; **Kruusmaa, Maarja**; Van Netten, Sietse M. IEEE Access 2020 / p. 11393 - 11404 https://doi.org/10.1109/ACCESS.2020.2965316 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

SHS produced TiB2-Si powders for selective laser melting of ceramic-based composite
Liu, Le; **Aydinyan, Sofiya**; **Minasyan, Tatevik**; **Hussainova, Irina** Applied sciences 2020 / art. 3283, 12 p. : ill https://doi.org/10.3390/app10093283 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

SHS reprocessing of copper oxide waste into copper powder
Mahmoudi, H. A.; Abovyan, L.S.; **Aydinyan, Sofiya**; Kharatyan, Suren International Journal of Self-propagating High-temperature Synthesis 2019 / p. 233–238 : ill https://doi.org/10.3103/S1061386219040095 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

SiC JBS diode symmetrical voltage doubler represented as the diffusion-welded stack
Korolkov, Oleg; **Land, Raul**; **Toompuu, Jana**; **Sleptšuk, Natalja**; **Rang, Toomas** Silicon carbide and related materials 2017 : ICSCRM 2017 : selected, peer reviewed papers from the 2017 International Conference on Silicon Carbide and related materials, September 17-22, 2017, Washington, DC, USA 2018 / p. 862–865 : ill https://doi.org/10.4028/www.scientific.net/MSF.924.862 Conference Proceedings at Scopus Article at Scopus

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

Signal acquisition and algorithm design for bioimpedance-based heart rate estimation from the wrist

Lapsa, Didzis; **Metshein, Margus**; **Krivošei, Andrei**; Janeliukstis, Rims; **Märtens, Olev**; Elsts, Atis Applied sciences 2024 / art. 9632 https://doi.org/10.3390/app14219632 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Silver metal nanoparticles study for biomedical and green house applications
Rauwel, Erwan; Simon-Gracia, Lorena; Guha, Mithu; **Rauwel, Protima**; **Küünal, Siim**; Wragg, David IOP conference series : materials science and engineering 2017 / art. 012011, p. 1-5 : ill https://doi.org/10.1088/1757-899X/175/1/012011 Conference proceedings at Scopus Article at Scopus Article at WOS

Silver nanoparticles : synthesis, properties, and applications
Rauwel, Protima; **Rauwel, Erwan**; Ferdov, Stanislav; Singh, Mangala P. Advances in materials science and engineering 2015 / p. 1-2 https://doi.org/10.1155/2015/624394 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

A simple space vector modulation method with DC-link voltage balancing and reduced common-mode voltage strategy for a three-level T-type quasi-Z source inverter
Mayorga, Nicolas; Roncero-Clemente, Carlos; Llor, Ana M.; **Husev, Oleksandr** IEEE Access 2021 / art. 9447724, p. 82747-82760 https://doi.org/10.1109/ACCESS.2021.3087035 Journal metricsc at Scopus Article at Scopus Journal metrics at WOS Article at WOS

A simplified method to predict grounding damage of double bottom tankers
Heinvee, Martin; **Tabri, Kristjan** Marine structures 2015 / p. 22-43 : ill https://doi.org/10.1016/j.marstruc.2015.04.002 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Simulation of the fire resistance of cross-laminated timber (CLT)
Schmid, Joachim; Klippel, Michael; **Just, Alar**; Frangi, Andrea; Tiso, Mattia Fire technology 2018 / p. 1113–1148 : ill https://doi.org/10.1007/s10694-018-0728-9 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Simulation of the hot deformation and fracture behavior of reduced activation ferritic/martensitic 13CrMoNbV steel
Shaikh, Asad Alamgir; Churyumov, Alexander; Pozdniakov, Andrey; Churyumo, Tatiana Applied sciences 2020 / art. 530 ; 12 p. : ill https://doi.org/10.3390/app10020530 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Simulations of graphene nanoribbon field effect transistor for the detection of propane and butane gases : a first principles study
Rashid, Muhammad Haroon; **Koel, Ants**; **Rang, Toomas** Nanomaterials 2020 / art. 98 https://doi.org/10.3390/nano10010098 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

Simulations of propane and butane gas sensor based on pristine armchair graphene nanoribbon
Rashid, Muhammad Haroon; **Koel, Ants**; **Rang, Toomas** IOP conference series : materials science and engineering 2018 / art. 012001, 8 p https://doi.org/10.1088/1757-899X/362/1/012001 Conference proceedings at Scopus Article at Scopus Article at WOS

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

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

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

Small magnus wind turbine : modeling approaches
Lukin, Aleksandr; **Demidova, Galina**; **Rassõlkin, Anton**; Lukichev, Dmitry; **Vaimann, Toomas**; Anuchin, Alecksey Applied sciences 2022 / art. 1884 https://doi.org/10.3390/app12041884 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Solid electrolytes for fluoride ion batteries : ionic conductivity in polycrystalline tysonite-type fluorides
Rongeat, Carine; Reddy, M. Anji; **Witter, Raiker**; Fichtner, Maximilian ACS applied materials and interfaces ACS applied materials & interfaces 2014 / p. 2103-2110 : ill https://doi.org/10.1021/am4052188 Journal metrics at Scopus Article at Scopus Journal metrics at

WOS Article at WOS

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

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

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

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

Solution-mediated inversion of SnSe to Sb2Se3 thin-films
Polivtseva, Svetlana; Kois, Julia; **Kruzhilina, Tatiana**; **Kaupmees, Reelika**; **Klopov, Mihhail**; Molaiyan, Palanivel; van Gog, Heleen; van Huis, Marijn A.; **Volobujeva, Olga** Nanomaterials 2022 / art. 2898 https://doi.org/10.3390/nano12172898 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Solvents measurement and influence on health in the work environment in manufacturing
Tint, Piia; **Reinhold, Karin**; **Traumann, Ada** Medžiagotyra = Materials science 2015 / p. 460-465 : ill https://doi.org/10.5755/j01.ms.21.3.7345 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Spent Li-Ion battery graphite turned into valuable and active catalyst for electrochemical oxygen reduction
Liivand, Kerli; Kazemi, Maryam; **Walke, Peter**; **Mikli, Valdek**; Macdonald, Digby D.; Kruusenberg, Ivar ChemSusChem 2021 / p. 1103-1111 https://doi.org/10.1002/cssc.202002742 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

Stabilization and stability robustness of coupled non-constant parameter time fractional PDEs
Chen, Juan; **Tepljakov, Aleksei**; **Petlenkov, Eduard** IEEE Access 2019 / p. 163969 - 163980 : ill https://doi.org/10.1109/ACCESS.2019.2951058 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Stability analysis and energy harvesting in lumped parameter systems with internally coupled resonators
Alimohammadi, Hossein; **Vassiljeva, Kristina**; HosseinNia, S. Hassan; Petlenkov, Eduard JVC/Journal of Vibration and Control 2024 / 13 p. : ill https://doi.org/10.1177/10775463241241161 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Standing and moving discrete breathers with frequencies above the phonon spectrum
Hižnjakov, Vladimir; Haas, Mati; Šelkan, Aleksander; **Klopov, Mihhail** Quodons in mica : nonlinear localized travelling excitations in crystals 2015 / p. 229-245 : ill https://doi.org/10.1007/978-3-319-21045-2_9 Article collection metrics at Scopus Article at Scopus Article at WOS

State of the art of additively manufactured electromagnetic materials for topology optimized electrical machines
Tiismus, Hans; **Kallaste, Ants**; **Vaimann, Toomas**; **Rassõlkin, Anton** Additive manufacturing 2022 / art. 102778, 19 p. : ill https://doi.org/10.1016/j.addma.2022.102778 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Strong and ductile titanium via additive manufacturing under a reactive atmosphere
Dong, Yangping; Wang, Dawei; Li, Qizhen; Luo, Xiaoping; Zhang, Jian; **Prashanth, Konda Gokuldoss**; Wang, Pei; Eckert, Jürgen; Mädler, Lutz; Okulov, Ilya V.; Yan, Ming Materials today advances 2023 / art. 100347 https://doi.org/10.1016/j.mtadv.2023.100347 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

A structurally flexible halide solid electrolyte with high ionic conductivity and air processability
Karkera, Guruprakash; Soans, Mervyn; Akbaş, Ayça; **Witter, Raiker**; Euchner, Holger; Diemant, Thomas; Cambaz, Musa Ali; Meng, Zhen; Dasari, Bosubabu; Chandrappa, Shivaraju Guddehalli; Menezes, Prashanth W.; Fichtner, Maximilian Advanced energy materials 2023 / art. 2300982 https://doi.org/10.1002/aenm.202300982 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Structuration of refractory metals tantalum and niobium using modified equal channel angular pressing technique
Omranpour Shahreza, Babak Modern Materials and Manufacturing 2019 : 12th International DAAAM Baltic Conference and 27th International Baltic Conference BALTMATTRIB 2019. Selected, peer reviewed papers from the conference Modern Materials and Manufacturing 2019 (MMM 2019), April 24-26, 2019, Tallinn, Estonia 2019 / p. 103-108 : ill https://www.scientific.net/KEM.799.103 https://www.ester.ee/record=b5235278*est https://doi.org/10.4028/www.scientific.net/KEM.799.103 Conference proceeding at Scopus Article at Scopus

Structure and electrochemical properties of Na2±xV3P2O13 (x = 0 and 1): a promising cathode material for sodium-ion batteries
Reddy, M. Anji; Euchner, Holger; **Witter, Raiker**; Clemens, Oliver Journal of materials chemistry A 2018 / p. 6947-6958 : ill https://doi.org/10.1039/C8TA00588E Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

Structure and magnetic properties of NdFeB powder prepared by hydrogen decrepitation and high-energy ball milling
Mural, Zorjana; **Kollo, Lauri**; Traksmaa, Rainer; **Kallip, Kaspar**; **Link, Joosep**; **Veinthal, Renno** Engineering materials & tribology XXII 2014 / p. 262-266 https://doi.org/10.4028/www.scientific.net/KEM.604.262 Conference proceedings at Scopus Article at Scopus Conference proceedings at WOS Article at WOS

Structure and properties of HVOF-sprayed and PTA-welded cermet hard phase reinforced Fe-matrix-based coatings
Kulu, Priit; **Zikin, Arkadi**; **Surženkov, Andrei**; **Tarbe, Riho** International journal of microstructure and materials properties 2014 / p. 4-14 https://doi.org/10.1504/IJMMP.2014.061054 Journal metrics at Scopus Article at Scopus

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

Study of (AgxCu1−x)2ZnSn(S,Se)4 monograins synthesized by molten salt method for solar cell applications
Oueslati, Souhaib; **Kauk-Kuusik, Marit**; Neubauer, Christian; **Mikli, Valdek**; **Meissner, Dieter**; Brammertz, Guy; Vermang, B.; **Krustok, Jüri**; **Grossberg, Maarja** Solar energy 2020 / p. 586-595 https://doi.org/10.1016/j.solener.2020.02.002 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Study of devulcanised crumb rubber-peat bio-based composite for environmental applications
Lapkovskis, Vjaceslavs; Mironovs, Viktors; Irtiseva, Kristine; **Goljandin, Dmitri** Modern Materials and Manufacturing 2019 : 12th International DAAAM Baltic Conference and 27th International Baltic Conference BALTMATTRIB 2019. Selected, peer reviewed papers from the conference Modern Materials and Manufacturing 2019 (MMM 2019), April 24-26, 2019, Tallinn, Estonia 2019 / p. 148-152 : ill https://www.scientific.net/KEM.799.148 https://www.ester.ee/record=b5235278*est https://doi.org/10.4028/www.scientific.net/KEM.799.148 Conference procreedings at Scopus Article at Scopus

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

Study of Zn(O,S) films grown by aerosol assisted chemical vapour deposition and their application as buffer layers in Cu(In,Ga)(S,Se)$_2$ solar cells
Kriisa, Merike; Saez-Araoz, Rodrigo; **Kärber, Erki**; **Krunks, Malle** Solar energy 2015 / p. 562-568 : ill https://doi.org/10.1016/j.solener.2015.02.046 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

Study on photocatalytic activity of ZnO nanoneedles, nanorods, pyramids and hierarchical structures obtained by spray

pyrolysis method
Klauson, Deniss; **Gromõko, Inga**; **Dedova, Tatjana**; **Pronina, Natalja**; **Kritševskaja, Marina**; **Budarnaja, Olga**; **Oja Acik, Ilona**; **Volobujeva, Olga**; Sildos, Ilmo; Utt, Kathriin Materials science in semiconductor processing 2015 / p. 315-324 : ill https://doi.org/10.1016/j.mssp.2014.12.012 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

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

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

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

A survey on split manufacturing : attacks, defenses, and challenges
Perez, Tiago Diadami; **Pagliarini, Samuel Nascimento** IEEE Access 2020 / p. 184013-184035 https://doi.org/10.1109/ACCESS.2020.3029339 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

A survey on the roles of communication technologies in IoT-based personalized healthcare applications
Alam, Muhammad Mahtab; **Malik, Hassan**; **Khan, Muhidul Islam**; **Pardy, Tamas**; **Kuusik, Alar**; **Le Moullec, Yannick** IEEE Access 2018 / p. 36611-36631 : ill https://doi.org/10.1109/ACCESS.2018.2853148 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Sustainable co2-derived nanoscale carbon support to a platinum catalyst for oxygen reduction reaction
Najafli, Erkin; Ratso, Sander; Ivanov, Yurii P.; Gatalo, Matija; Pavko, Luka; **Yörük, Can Rüstü**; **Walke, Peter**; Divitini, Giorgio; Hodnik, Nejc; Kruusenberg, Ivar ACS Applied Nano Materials 2023 / p. 5772-5780 : ill https://doi.org/10.1021/acsanm.3c00208 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Sustainable fabrication of polypropylene-postconsumer cotton composite materials : circularity, characterization, mechanical testing, and tribology
Hussain, Abrar; **Podgurski, Vitali**; **Goljandin, Dmitri**; **Antonov, Maksim**; **Viljus, Mart**; **Krasnou, Illia** Materials today sustainability 2023 / art. 100344, 16 p. : ill https://doi.org/10.1016/j.mtsust.2023.100344 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Synthesis and characterization of nanocrystalline Fe(100−x)Ni(x) alloy powders by auto-combustion and hydrogen reduction
Singh, Neera; Sharma, Shyam; Parkash, Om; Kumar, Devendra Journal of Materials Engineering and Performance 2019 / p. 5441–5449 : ill https://doi.org/10.1007/s11665-019-04330-6 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

Synthesis control of charge separation at anatase TiO2 thin films studied by transient surface photovoltage spectroscopy
Dittrich, Thomas; **Sydorenko, Jekaterina**; **Spalatu, Nicolae**; Nickel, Norbert H.; **Mere, Arvo**; **Krunks, Malle**; **Oja Acik, Ilona** ACS applied materials & interfaces 2022 / p. 43163-43170 https://doi.org/10.1021/acsami.2c09032 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Synthesis of bio-cation-substituted Ca-apatites by precipitation
Bogdanoviciene, Irma; **Tõnsuaadu, Kaia**; **Traksmaa, Rainer**; Kareiva, Aivaras Inorganic and environmental materials 2014 / p. 229-232 : ill https://doi.org/10.4028/www.scientific.net/KEM.617.229 Conference proceedings at Scopus Article at Scopus

Synthesis of Cu2(ZnCd)SnS4 absorber material for monograin membrane applications
Nkwusi, Godswill; **Leinemann, Inga**; **Raudoja, Jaan**; **Mikli, Valdek**; **Kauk-Kuusik, Marit**; **Altosaar, Mare**; **Mellikov, Enn**

Materials Research Society symposium proceedings 2014 / 6 p. : ill https://doi.org/10.1557/opl.2014.245 Conference proceedings at Scopus Article at Scopus

Synthesis of fast fluoride-ion-conductive fluorite-type Ba1–xSbxF2+x (0.1 ≤ x ≤ 0.4) : a potential solid electrolyte for fluoride-ion batteries
Mohammad, Irshad; Chable, Johann; **Witter, Raiker**; Fichtner, Maximilian; Reddy, M. Anji ACS applied materials and interfaces ACS applied materials & interfaces 2018 / p. 17249–17256 : ill https://doi.org/10.1021/acsami.8b04108 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Synthesis of polymerizable ionic liquid monomer and its characterizations
Sardar, Jagannath; Mäeorg, Uno; **Krasnou, Illia**; **Baddam, Vikram**; **Gudkova, Viktoria**; **Krumme, Andres**; **Savest, Natalja**; **Tarasova, Elvira**; **Viirsalu, Mihkel** IOP conference series : materials science and engineering 2016 / p. 1-5 : ill https://doi.org/10.1088/1757-899X/111/1/012021 Conference Proceedings at Scopus Article at Scopus Article at WOS

ZnO nanowires for solar cells : a comprehensive review
Consonni, Vincent; Briscoe, Joe; **Kärber, Erki** Nanotechnology 2019 / art. 362001, 41 p : ill https://doi.org/10.1088/1361-6528/ab1f2e Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

ZrC based ceramics by high pressure high temperature SPS technique
Aydinyan, Sofiya; **Minasyan, Tatevik**; **Liu, Le**; Cygan, Slawomir; **Hussainova, Irina** Modern Materials and Manufacturing 2019 : 12th International DAAAM Baltic Conference and 27th International Baltic Conference BALTMATTRIB 2019. Selected, peer reviewed papers from the conference Modern Materials and Manufacturing 2019 (MMM 2019), April 24-26, 2019, Tallinn, Estonia 2019 / p. 125-130 : ill https://www.ester.ee/record=b5235278*est https://www.scientific.net/KEM.799.125 https://doi.org/10.4028/www.scientific.net/KEM.799.125 Conference proceeding at Scopus Article at Scopus

Tailoring of bound exciton photoluminescence emission in WS2 monolayers
Kaupmees, Reelika; **Grossberg, Maarja**; Ney, Marcel; **Krustok, Jüri** Physica status solidi - rapid research letters 2020 / art. 1900355, 6 p. : ill https://doi.org/10.1002/pssr.201900355 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

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

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

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

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

The aluminum based composite produced by Self propagating High temperature Synthesis
Pramono, Agus; **Kommel, Lembit**; **Kollo, Lauri**; **Veinthal, Renno** Materials science = Medžiagotyra 2016 / p. 41-43 : ill https://doi.org/10.5755/j01.ms.22.1.7500 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

The cluster computation-based hybrid FEM–analytical model of induction motor for fault diagnostics
Asad, Bilal; **Vaimann, Toomas**; **Belahcen, Anouar**; **Kallaste, Ants**; **Rassõlkin, Anton**; **Iqbal, Muhammad Naveed** Applied sciences 2020 / art. 7572, 15 p. : ill https://doi.org/10.3390/app10217572 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

The dependence of reverse recovery time on barrier capacitance and series on-resistance in Schottky diodes
Veher, Oleksandr; **Sleptšuk, Natalja**; **Toompuu, Jana**; **Korolkov, Oleg**; **Rang, Toomas** Materials and contact characterisation VIII 2017 / p. 15-22 : ill https://doi.org/10.2495/MC170021 Conference proceedings at Scopus Article at Scopus

The effect of Ag alloying of Cu2(Zn,Cd)SnS4 on the monograin powder properties and solar cell performance
Timmo, Kristi; **Altosaar, Mare**; **Pilvet, Maris**; **Mikli, Valdek**; **Grossberg, Maarja**; **Danilson, Mati**; **Raadik, Taavi**; **Josepson, Raavo**; **Krustok, Jüri**; **Kauk-Kuusik, Marit** Journal of materials chemistry A 2019 / p. 24281-24291 : ill https://doi.org/10.1039/C9TA07768E TTÜ teadlased tõstsid uue põlvkonna päikesepaneelide tõhusust Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

The effect of low stress triaxialities and deformation paths on ductile fracture simulations of large shell structures
Kõrgesaar, Mihkel Marine structures 2019 / p. 45-64 : ill https://doi.org/10.1016/j.marstruc.2018.08.004 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

The effect of S/Se ratio on the properties of Cu2CdGe(SxSe1−x)4 microcrystalline powders for photovoltaic applications
Li, Xiaofeng; **Pilvet, Maris**; **Timmo, Kristi**; **Grossberg, Maarja**; **Mikli, Valdek**; **Kauk-Kuusik, Marit** Solar energy 2020 / p. 646−652 : ill https://doi.org/10.1016/j.solener.2020.09.045 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

The effect of spark plasma sintering thermal cycle on behaviour of Fe-based hardfacings reinforced with WC and WC-based hardmetal
Katinas, Egidijus; **Antonov, Maksim**; Jankauskas, Vytenis; **Tarraste, Marek** Modern Materials and Manufacturing 2019 : 12th International DAAAM Baltic Conference and 27th International Baltic Conference BALTMATTRIB 2019. Selected, peer reviewed papers from the conference Modern Materials and Manufacturing 2019 (MMM 2019), April 24-26, 2019, Tallinn, Estonia 2019 / p. [3]-8 : ill https://www.ester.ee/record=b5235278*est https://www.scientific.net/KEM.799.3 https://doi.org/10.4028/www.scientific.net/KEM.799.3 Conference proceeding at Scopus Article at Scopus

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

The effects of production technologies on the air permeability and crack development of cross-laminated timber
Kukk, Villu; **Kalamees, Targo**; **Kers, Jaan** Journal of building physics 2019 / p. 171-186 : ill https://doi.org/10.1177/1744259119866869 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

The influence of fluid structure interaction modelling on the dynamic response of ships subject to collision and grounding
Kim, Sang Jin; **Kõrgesaar, Mihkel**; Ahmadi, Nima; Taimuri, Ghalib; Kujala, Pentti; Hirdaris, Spyros Marine structures 2021 / art. 102875, 17 p. : ill https://doi.org/10.1016/j.marstruc.2020.102875 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

The influence of processing parameters on mechanical properties of spark plasma sintered chromium carbide based cermets
Juhani, Kristjan; **Pirso, Jüri**; **Tarraste, Marek**; **Viljus, Mart**; **Letunovitš, Sergei** Materials Engineering 2017 : selected, peer reviewed papers from the 26th International Baltic Conference on Materials Engineering 2017, October 26-27, Kaunas, Lithuania 2017 / p. 162-166 https://doi.org/10.4028/www.scientific.net/SSP.267.162 Conference proceedings at Scopus Article at Scopus

The influence of sintering temperature of reactive sintered (Ti, Mo)C-Ni cermets
Jõeleht, Marek; **Pirso, Jüri**; **Juhani, Kristjan**; **Viljus, Mart** Medžiagotyra = Materials science 2015 / p. 435-438 : ill https://doi.org/10.5755/j01.ms.21.3.7179 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

The ISSC 2022 committee III.1-Ultimate strength benchmark study on the ultimate limit state analysis of a stiffened plate structure subjected to uniaxial compressive loads
Ringsberg, Jonas W.; Darie, Ionel; Nahshon, Ken; Shilling, Gillian; **Tabri, Kristjan** Marine structures 2021 / art. 103026, 25 p. : ill https://doi.org/10.1016/j.marstruc.2021.103026 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

The preparation of TiC/TiN composites by selective laser melting
Liu, Le; **Minasyan, Tatevik**; **Aydinyan, Sofiya**; **Hussainova, Irina** Modern Materials and Manufacturing 2019 : 12th International DAAAM Baltic Conference and 27th International Baltic Conference BALTMATTRIB 2019. Selected, peer reviewed papers from the conference Modern Materials and Manufacturing 2019 (MMM 2019), April 24-26, 2019, Tallinn, Estonia 2019 / p. 165-170 : ill https://www.ester.ee/record=b5235278*est https://www.scientific.net/KEM.799.165 https://doi.org/10.4028/www.scientific.net/KEM.799.165 Conference proceeding at Scopus Article at Scopus

The properties of mineral additives obtained by collision milling in disintegrator
Bumanis, Girts; **Goljandin, Dmitri**; Bajare, Diana Engineering materials and tribology XXV 2017 / p. 327-331 https://doi.org/10.4028/www.scientific.net/KEM.721.327 Conference proceedings at Scopus Article at Scopus

The reduced cross-section method for evaluation of the fire resistance of timber members : discussion and determination of the zero-strength layer
Schmid, Joachim; **Just, Alar**; Klippel, Michael; Fragiacomo, Massimo Fire technology 2015 / P. 1285-1309 : ill https://doi.org/10.1007/s10694-014-0421-6 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

The role of heterogeneity in heat pulse propagation in a solid with inner structure
Berezovski, Arkadi; Ván, Peter Internal variables in thermoelasticity 2017 / p. 123-130 https://doi.org/10.1007/978-3-319-56934-5_9 Article collection metrics at Scopus Article at Scopus Article at WOS

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

The template-assisted wet-combustion synthesis of fibrous nickel-based catalyst for carbon dioxide methanation and methane steam reforming
Aghayan, Marina; Potemkin, D. I.; Rubio-Marcos, Fernando; Uskov, S. I.; Snytnikov, N.; **Hussainova, Irina** ACS applied materials and interfaces ACS applied materials & interfaces 2017 / p. 43553-43562 : ill https://doi.org/10.1021/acsami.7b08129 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

Thermal, mechanical, and acoustic properties of polydimethylsiloxane filled with hollow glass microspheres
Vlassov, Sergei; **Oras, Sven**; Timusk, Martin; Zadin, Veronika; Tiirats, Tauno; Sosnin, Ilya M.; Lõhmus, Rünno; Linarts, Artis; Kyritsakis, Andreas; Dorogin, Leonid M. Materials 2022 / art. 1652 : ill https://doi.org/10.3390/ma15051652 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Thermodynamic approach to generalized continua
Van, Peter; **Berezovski, Arkadi**; Papenfuss, Christina Continuum mechanics and thermodynamics 2014 / p. 403-420 https://doi.org/10.1007/s00161-013-0311-z Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Thermomechanical single internal variable theory
Berezovski, Arkadi; Ván, Peter Internal variables in thermoelasticity 2017 / p. 35-58 https://doi.org/10.1007/978-3-319-56934-5_3 Article collection metrics at Scopus Article at Scopus Article at WOS

Three-body abrasive wear of reactive sintered WC-Co hardmetals with grain growth inhibitors
Juhani, Kristjan; **Pirso, Jüri**; **Tarraste, Marek**; **Viljus, Mart**; **Suurkivi, Taavi** Engineering materials & tribology XXII 2014 / p. 277-282 https://doi.org/10.4028/www.scientific.net/KEM.604.277 Conference proceedings at Scopus Article at Scopus Conference proceedings at WOS Article at WOS

3D alumina-graphene hybrid nanofibers as a binder‐free cathode for rechargeable Li‐S batteries
Taleb, Masoud; **Ivanov, Roman**; **Hussainova, Irina** Modern Materials and Manufacturing 2019 : 12th International DAAAM Baltic Conference and 27th International Baltic Conference BALTMATTRIB 2019. Selected, peer reviewed papers from the conference Modern Materials and Manufacturing 2019 (MMM 2019), April 24-26, 2019, Tallinn, Estonia 2019 / p. 191-196 : ill https://www.scientific.net/KEM.799.191 https://www.ester.ee/record=b5235278*est https://doi.org/10.4028/www.scientific.net/KEM.799.191 Conference proceeding at Scopus Article at Scopus

3D computer drawing competition CADrina
Nõmm, Aurika; **Mägi, Rein**; **Meister, Külli** IOP conference series : materials science and engineering 2019 / art. 012012, 5 p. : ill https://doi.org/10.1088/1757-899X/660/1/012012 Conference proceedings at Scopus Article at Scopus Article at WOS

3D printing of plain and gradient cermets with efficient use of raw materials
Antonov, Maksim; **Ivanov, Roman**; **Holovenko, Yaroslav**; **Goljandin, Dmitri**; **Rahmani Ahranjani, Ramin**; **Kollo, Lauri**; **Hussainova, Irina** Modern Materials and Manufacturing 2019 : 12th International DAAAM Baltic Conference and 27th International Baltic Conference BALTMATTRIB 2019. Selected, peer reviewed papers from the conference Modern Materials and Manufacturing 2019 (MMM 2019), April 24-26, 2019, Tallinn, Estonia 2019 / p. 239-245 : ill https://doi.org/10.4028/www.scientific.net/KEM.799.239 https://www.ester.ee/record=b5235278*est Conference proceeding at Scopus Article at Scopus

Three-phase bidirectional isolated AC-DC matrix-converter with full soft-switching range
Carvalho da Silva, Edivan Laercio; **Blinov, Andrei**; **Emiliani, Pietro**; **Chub, Andrii**; **Vinnikov, Dmitri** IEEE Access 2023 / p. 119270-119283 https://doi.org/10.1109/ACCESS.2023.3327224 Journal metrics at Scopus Article at Scopus Journal metrics at WOS

Article at WOS

Throughput and channel aware MAC scheduling for SmartBAN standard
Khan, Rida; **Alam, Muhammad Mahtab**; Paso, Tuomas; Haapola, Jussi IEEE Access 2019 / p. 63133-63145 : ill https://doi.org/10.1109/ACCESS.2019.2916159 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

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

Time dependency of current harmonics for switch-mode power supplies
Iqbal, Muhammad Naveed; **Kütt, Lauri**; **Asad, Bilal**; **Vaimann, Toomas**; **Rassõlkin, Anton**; Demidova, Galina Applied sciences 2020 / art. 7806, 12 p. : ill https://doi.org/10.3390/app10217806 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Time-effective synthesis of rhombohedral CuAlO2 from mesoporous alumina substrate
Saffarshamshirgar, Ali; **Aghayan, Marina**; Tripathi, Tripurari S.; Karppinen, Maarit; Gasik, Michael; **Hussainova, Irina** Materials & design 2018 / p. 48-55 : ill https://doi.org/10.1016/j.matdes.2018.03.031 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Topology-morphing photovoltaic microconverter with wide MPPT voltage window and post-fault operation capability
Vinnikov, Dmitri; **Chub, Andrii**; **Zinchenko, Denys**; **Sidorov, Vadim** IEEE Access 2020 / art. 9171332, p. 153941-153955 : ill https://doi.org/10.1109/ACCESS.2020.3017805 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Toward software-defined networking-based IoT frameworks : a systematic literature review, taxonomy, open challenges and prospects
Siddiqui, Shahbaz; Hameed, Sufian; Shah, Syed Attique; Aneiba, Adel; **Draheim, Dirk**; Dustdar, Schahram IEEE Access 2022 / p. 70850-70901 https://doi.org/10.1109/ACCESS.2022.3188311 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Toward the application of the layer-wise displacement theory in passenger ships - a quasi-static response
Imala, Mikk-Markus; **Naar, Hendrik**; **Tabri, Kristjan**; Romanoff, Jani Mechanics of Advanced Materials and Structures 2023 / p. 4698-4710 https://doi.org/10.1080/15376494.2022.2103859 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Towards blue long-lasting luminescence of Eu/Nd-doped calcium-aluminate nanostructured platelets via the molten salt route
Rojas Hernandez, Rocio Estefania; Rubio-Marcos, Fernando; Serrano, Aida; **Hussainova, Irina** Nanomaterials 2019 / art. 1473, 14 p. : ill https://doi.org/10.3390/nano9101473 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Towards disaster resilient smart cities : can internet of things and big data analytics be the game changers?
Shah, Syed Attique; Seker, Dursun Zafer; Rathore, M. Mazhar; Hameed, Sufian; **Ben Yahia, Sadok**; **Draheim, Dirk** IEEE Access 2019 / art. 8759905, p. 91885–91903 https://doi.org/10.1109/ACCESS.2019.2928233 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Towards improving the durability and overall performance of PV-ETICS by application of a PCM layer
Heim, Dariusz; Wieprzkowicz, Anna; Knera, Dominika; **Ilomets, Simo**; **Kalamees, Targo**; Spitalsky, Zdenko Applied sciences 2021 / art. 4667, 13 p. : ill https://doi.org/10.3390/app11104667 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Towards industrialization of FOPID controllers : a survey on milestones of fractional-order control and pathways for future developments
Tepljakov, Aleksei; Alagoz, Baris Baykant; Yeroglu, Celaleddin; Gonzalez, Emmanuel A.; HosseinNia, Hassan; **Petlenkov, Eduard**; **Ates, Abdullah**; **Cech, Martin** IEEE Access 2021 / p. 21016-21042 https://doi.org/10.1109/ACCESS.2021.3055117 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Towards the definition of a reference ideal radiator for the assessment of heat emission efficiency in buildings
Ferrantelli, Andrea; **Võsa, Karl-Villem**; **Kurnitski, Jarek** IOP conference series : materials science and engineering 2018 / art. 012034, 8 p. : ill https://doi.org/10.1088/1757-899X/415/1/012034 Conference proceedings at Scopus Article at Scopus

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

Toxicity of silver–chitosan nanocomposites to aquatic microcrustaceans Daphnia magna and Thamnocephalus platyurus and naturally luminescent bacteria Vibrio fischeri
Sihtmäe, Mariliis; **Laanoja, Jüri**; Blinova, Irina; Kahru, Anne; Kasemets, Kaja Nanomaterials 2024 / art. 1193 https://doi.org/10.3390/nano14141193 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Transient modeling and recovery of non-stationary fault signature for condition monitoring of induction motors
Asad, Bilal; **Vaimann, Toomas**; **Belahcen, Anouar**; **Kallaste, Ants**; **Rassõlkin, Anton**; Ghahfarokhi, Payam Shams; **Kudelina, Karolina** Applied sciences 2021 / 17 p. : ill https://doi.org/10.3390/app11062806 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Trends and challenges in intelligent condition monitoring of electrical machines using machine learning
Kudelina, Karolina; **Vaimann, Toomas**; **Asad, Bilal**; **Rassõlkin, Anton**; **Kallaste, Ants**; **Demidova, Galina** Applied sciences 2021 / art. 2761, 19 p. : ill https://doi.org/10.3390/app11062761 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

Tribological behavior at dry sliding by electric current of Cu-Cr-S alloy after equal channel angular pressing
Kommel, Lembit Engineering materials and tribology XXV 2017 / p. 430-435 https://doi.org/10.4028/www.scientific.net/KEM.721.430 Journal metrics at Scopus Article at Scopus

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

Tungsten carbide material tribology and circular economy relationship in polymer and composites industries
Hussain, Abrar; **Podgurski, Vitali**; **Antonov, Maksim**; Abbas, Muhammad Mujtaba; Rizwan, Muhammad Proceedings of the Institution of Mechanical Engineers, Part L : Journal of Materials : Design and Applications 2022 / p. 2066-2073 https://doi.org/10.1177%2F14644207221096929 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Tungsten matrix composite reinforced with CoCrFeMnNi high-entropy alloy : impact of processing routes on microstructure and mechanical properties
Satyanarayana, P. V.; Sokkalingam, Rathinavelu; Jena, P. K.; Sivaprasad, Katakam; **Prashanth, Konda Gokuldoss** Metals 2019 / art. 992, 12 p. : ill https://doi.org/10.3390/met9090992 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Tunneling-percolation behavior of graphene-encapsulated whiskers as electroconductive fillers for ceramics
Hussainova, Irina; **Ivanov, Roman**; Kale, Sudhir S.; Jasiuk, Iwona Short fibre reinforced cementitious composites and ceramics 2019 / p. 131-139 https://doi.org/10.1007/978-3-030-00868-0_9 Article collection metrics at Scopus Article at Scopus

A tutorial on dynamics and control of power systems with distributed and renewable energy sources based on the DQ0 transformation
Levron, Yoash; **Belikov, Juri**; Baimel, Dmitry Applied sciences 2018 / art. 1661, 48 p. : ill https://doi.org/10.3390/app8091661 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

2D computational-numerical hardness comparison between fe-based hardfaces with WC-Co reinforcements for integral-differential modelling
Casesnoves, Francisco Key engineering materials 2018 / p. 330 - 338 https://doi.org/10.4028/www.scientific.net/KEM.762.330 Conference Proceedings at Scopus Article at Scopus

A Two-layered approach for the validation of an operational autonomous shuttle
Malayjerdi, Mohsen; Goss, Quentin A.; Akbas, Mustafa Ilhan; **Sell, Raivo**; **Bellone, Mauro** IEEE Access 2023 / p. 89124−89137 https://doi.org/10.1109/ACCESS.2023.3306602 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

UAV and SWIPT assisted disaster aware clustering and association
Hassan, Ali; Ahmad, Rizwan; Ahmed, Waqas; Magarini, Maurizio; **Alam, Muhammad Mahtab** IEEE Access 2020 / p. 204791−204803 https://doi.org/10.1109/ACCESS.2020.3035959 Journal metrics at Scopus Article at Scopus Journal metrics at WOS

Article at WOS

Ultimate strength assessment of stiffened panel under uni-axial compression with non-linear equivalent single layer approach
Putranto, Teguh; **Kõrgesaar, Mihkel**; Jelovica, Jasmin; **Tabri, Kristjan**; **Naar, Hendrik** Marine structures 2021 / art. 103004, 17 p. : ill https://doi.org/10.1016/j.marstruc.2021.103004 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

Ultra-high step-up DC-DC converters based on center-tapped inductors
Tarzamni, Hadi; **Vosoughi Kurdkandi, Naser**; Gohari, Homayon Soltani; Lehtonen, Matti; **Husev, Oleksandr**; Blaabjerg, Frede IEEE Access 2021 / p. 136373-136383 : ill https://doi.org/10.1109/ACCESS.2021.3117856 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

An ultra-scalable blockchain platform for universal asset tokenization : design and implementation
Buldas, Ahto; **Draheim, Dirk**; Gault, Mike; Laanoja, Risto; Nagumo, Takehiko; Saarepera, Märt; Shah, Syed Attique; Simm, Joosep; Steiner, Jamie; **Tammet, Tanel**; Truu, Ahto IEEE Access 2022 / p. 77284-77322 : ill https://doi.org/10.1109/ACCESS.2022.3192837 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

Uncertainty in automated ontology matching: lessons from an empirical evaluation
Osman, Inès; Pileggi, Salvatore Flavio; **Ben Yahia, Sadok** Applied Sciences (Switzerland) 2024 / art. 4679, 19 p. : ill https://doi.org/10.3390/app14114679 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Understanding and control of stress at Si-SiO2 interface
Kropman, Daniel; Seeman, Viktor; Medvids, Arturs; Onufrijevs, Pavels; Vitusevich, Svetlana; **Mikli, Valdek** Key engineering materials 2020 / p. 291−296 https://doi.org/10.4028/www.scientific.net/KEM.850.291 Journal metrics at Scopus Article at Scopus

Uniform Sb2S3 optical coatings by chemical spray method
Eensalu, Jako Siim; **Katerski, Atanas**; **Kärber, Erki**; **Oja Acik, Ilona**; **Mere, Arvo**; **Krunks, Malle** Beilstein journal of nanotechnology 2019 / p. 198-210 : ill https://doi.org/10.3762/bjnano.10.18 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

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

Urban open platform for borderless smart cities
Soe, Ralf-Martin; Ruohomäki, Timo; **Patzig, Henry** Applied sciences 2022 / art. 700 https://doi.org/10.3390/app12020700 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Use of selective laser melting for manufacturing the porous stack of a thermoacoustic engine
Auriemma, Fabio; **Holovenko, Yaroslav** Modern Materials and Manufacturing 2019 : 12th International DAAAM Baltic Conference and 27th International Baltic Conference BALTMATTRIB 2019. Selected, peer reviewed papers from the conference Modern Materials and Manufacturing 2019 (MMM 2019), April 24-26, 2019, Tallinn, Estonia 2019 / p. 246-251 : ill https://www.scientific.net/KEM.799.246 https://www.ester.ee/record=b5235278*est https://doi.org/10.4028/www.scientific.net/KEM.799.246 Conference proceeding at Scopus Article at Scopus

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

Vapour pressure data for 2-n-propylresorcinol, 4-ethylresorcinoland 4-hexylresorcinol near their normal boiling points measuredby differential scanning calorimetry
Astra, Hanna-Liina; **Oja, Vahur** The journal of chemical thermodynamics 2019 / p. 119-126 : ill https://doi.org/10.1016/j.jct.2019.03.008 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Variation of bending strength of fiber reinforced concrete beams due to fiber distribution and orientation and analysis of microstructure
Herrmann, Heiko; Boris, R.; **Goidyk, Oksana**; **Braunbrück, Andres** IOP conference series : materials science and engineering 2019 / art. 012059, 11 p. : ill https://doi.org/10.1088/1757-899X/660/1/012059 Conference proceedings at Scopus Article at Scopus Article at WOS

Waveform variation defined model for harmonic current emissions including cross-order supply voltage harmonics influence
Daniel, Kamran; **Kütt, Lauri**; **Iqbal, Muhammad Naveed**; **Shabbir, Noman**; **Jarkovoi, Marek**; **Parker, Martin** IEEE Access 2023 / p. 42276-42289 : ill https://doi.org/10.1109/ACCESS.2023.3270805 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

Wear of different PVD coatings at industrial fine-blanking field tests
Lind, Liina; **Peetsalu, Priidu**; **Sergejev, Fjodor** Medžiagotyra = Materials science 2015 / p. 343-348 : ill https://doi.org/10.5755/j01.ms.21.3.7249 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Wear rate of nanocrystalline diamond coating under high temperature sliding conditions
Yashin, Maxim; **Baroninš, Janis**; Menezes, Pradeep; **Viljus, Mart**; **Raadik, Taavi**; **Bogatov, Andrei**; **Antonov, Maksim**; **Podgurski, Vitali** Materials Engineering 2017 : selected, peer reviewed papers from the 26th International Baltic Conference on Materials Engineering 2017, October 26-27, Kaunas, Lithuania 2017 / p. 219-223 : ill https://doi.org/10.4028/www.scientific.net/SSP.267.219 Conference proceedings at Scopus Article at Scopus

Wear resistance and selection of steels, hardmetals and hardfacings for abrasive wear conditions
Kulu, Priit; **Tarbe, Riho**; **Saarna, Mart**; **Surženkov, Andrei**; **Peetsalu, Priidu**; **Talviste, Kristofer** International journal of microstructure and materials properties 2015 / p. 101-113 https://doi.org/10.1504/IJMMP.2015.068718 Journal metrics at Scopus Article at Scopus

Wear resistance of sintered composite hardfacings under different abrasive wear conditions
Simson, Taavi; **Kulu, Priit**; **Surženkov, Andrei**; **Tarbe, Riho**; **Goljandin, Dmitri**; **Tarraste, Marek**; **Viljus, Mart**; **Traksmaa, Rainer** Medžiagotyra = Materials science 2017 / p. 249-253 : ill https://doi.org/10.5755/j01.ms.23.3.17640 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Versatile graphene-alumina nanofibers for microwave absorption and EMI shielding
Saffar Shamshirgar, Ali; Alvarez, Maria Fernandez; Del Campo, Adolfo; Fernandez, Jose Francisco; Rojas Hernandez, Rocio Estefania; Ivanov, Roman; Rosen, Johanna; **Hussainova, Irina** Carbon 2023 / art. 118057 https://doi.org/10.1016/j.carbon.2023.118057 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Vibration-assisted sputter coating of cenospheres : a new approach for realizing Cu-based metal matrix syntactic foams
Shishkin, Andrei; **Drozdova, Maria**; Kozlov, Viktor; **Hussainova, Irina**; Lehmhus, Dirk Metals 2017 / art. 16, p. 1-10 : ill https://doi.org/10.3390/met7010016 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Visualizing ribbon-to-ribbon heterogeneity of chemically unzipped wide graphene nanoribbons by silver nanowire-based tip-enhanced raman scattering microscopy
Inose, Tomoko; Toyouchi, Shuichi; Hara, Shinnosuke; Sugioka, Shoji; **Walke, Peter R.**; Oyabu, Rikuto; Fortuni, Beatrice; Peeters, Wannes; Usami, Yuki; Hirai, Kenji Small 2024 / art. 2301841, 10 p. : ill https://doi.org/10.1002/smll.202301841 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

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