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

Advanced oxidation processes for sulfonamide antibiotic sulfamethizole degradation : Process applicability study at ppm level and scale-down to ppb level
Klauson, Deniss; Romero Sarcos, Natalja; **Kritševskaja, Marina**; **Kattel, Eneliis**; **Dulova, Niina**; **Dedova, Tatjana**; **Trapido, Marina** Journal of environmental chemical engineering 2019 / art. 103287, 8 p. : ill https://doi.org/10.1016/j.jece.2019.103287 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

Apatites based catalysts : a tentative classification
Gruselle, Michel; **Tõnsuaadu, Kaia**; Gredin, Patrick; Len, Christophe Molecular catalysis 2022 / art. 112146 https://doi.org/10.1016/j.mcat.2022.112146 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Automatic tolerance analysis of permanent magnet machines with encapsuled FEM Models using Digital-Twin-Distiller
Orosz, Tamas; Gadó, Krisztián; Katona, Mihály; **Rassõlkin, Anton** Processes 2021 / art. 2077, p. 1-15 : ill https://doi.org/10.3390/pr9112077 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

Bio-recalcitrant pollutants removal from wastewater with combination of the Fenton treatment and biological oxidation
Trapido, Marina; Tenno, Taavo; **Goi, Anna**; **Dulova, Niina**; **Kattel, Eneliis**; **Klauson, Deniss**; Klein, Kati; Tenno, Toomas; **Viisimaa, Marika** Journal of water process engineering 2017 / p. 277-282 : ill https://doi.org/10.1016/j.jwpe.2017.02.007 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

CO2 reduction to formate on an affordable bismuth metal-organic framework based catalyst
Avila-Bolivar, Beatriz; Cepitis, Ritums; **Alam, Mahboob**; **Starkov, Pavel** Journal of CO2 Utilization 2022 / art. 101937, 11 p https://doi.org/10.1016/j.jcou.2022.101937 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

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

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

Degradation of anti-inflammatory drug dexamethasone by pulsed corona discharge : The effect of peroxycompounds addition
Onga, Liina; **Kattel-Salusoo, Eneliis**; **Preis, Sergei**; **Dulova, Niina** Journal of environmental chemical engineering 2022 / art. 108042 https://doi.org/10.1016/j.jece.2022.108042 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

Editorial overview : a closer look on green developments in analytical chemistry: green analytical chemistry is going mainstream
Koel, Mihkel; **Kaljurand, Mihkel** Current Opinion in Green and Sustainable Chemistry 2021 / Art. 100541
https://doi.org/10.1016/j.cogsc.2021.100541 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Effect of electrode type on electrospun membrane morphology using low-concentration PVA solutions
Zelca, Zane; **Krumme, Andres**; Kukle, Silvija; **Viirsalu, Mihkel**; Vilcena, Laimdota Membranes 2022 / art. 609
https://doi.org/10.3390/membranes12060609 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

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

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

Effects of 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

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

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

Enantio-differentiating hydrogenation of alkyl 3-oxobutanoates over tartaric acid-modified Ni catalyst: Enthalpy-entropy compensation effect as a tool for elucidating mechanistic features
Osawa, Tsutomu; Wakasugi, Masahiro; Kizawa, Tomoko; **Borovkov, Victor**; Inoue, Yoshihisa Molecular catalysis 2018 / p. 131-136 : ill https://doi.org/10.1016/j.mcat.2018.02.023 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Energy, cost and emission saving potential of demand response and peak power limiting in the German district heating system
Suhonen, Janne; Lindholm, Joakim; Verbeck, Moritz; **Ju, Yuchen**; **Jokisalo, Juha**; **Kosonen, Risto**; Janßen, Philipp; Schäfers, Hans International journal of sustainable energy 2023 / p. 1092-1127 : ill https://doi.org/10.1080/14786451.2023.2251601 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

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

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

Hospital wastewater treatment with pilot-scale pulsed corona discharge for removal of pharmaceutical residues
Ajo, Petri; **Preis, Sergei**; Vornamo, Timo; Mänttäri, Mika; Kallioinen, Mari; Louhi-Kultanen, Marjatta Journal of environmental chemical engineering 2018 / p. 1569-1577 : ill https://doi.org/10.1016/j.jece.2018.02.007 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

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

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

Integration of ozonation and sonication with hydrogen peroxide and persulfate oxidation for polychlorinated biphenyls-contaminated soil treatment
Goi, Anna; **Viisimaa, Marika** Journal of environmental chemical engineering 2015 / p. 2839-2847 : ill https://doi.org/10.1016/j.jece.2015.09.025 Journal metrics at Scopus Article at Scopus

Interaction of tannic acid with ferric iron to assist 2,4,6-trichlorophenol catalytic decomposition and reuse of ferric sludge as a source of iron catalyst in Fenton-based treatment
Bolobajev, Juri; **Trapido, Marina**; **Goi, Anna** Applied catalysis B : environmental 2016 / p. 75-82 : ill https://doi.org/10.1016/j.apcatb.2016.01.015 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Laboratory and pilot plant scale study on the removal of radium, manganese and iron from drinking water using hydrous manganese oxide slurry
Bolobajev, Juri; Leier, Maria; Vaasma, Taavi; Nilb, Nele; Salupere, Siiri Journal of environmental chemical engineering 2022 / art. 108942 https://doi.org/10.1016/j.jece.2022.108942 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

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

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

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

Modeling battery energy storage systems based on remaining useful lifetime through regression algorithms and binary classifiers
Gilbert Zequera, Rolando Antonio; **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

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

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

Multiscale study of carbon dioxide chemisorption in the plug flow adsorber of the anesthesia machine
Derevshchikov, Vladimir; Kazakova, Evgenia; Yatsenko, Dmitry; Veselovskaya, Janna Separation science and technology 2021 / p. 485-497 https://doi.org/10.1080/01496395.2020.1723029 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

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

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

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

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

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

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

Oxidation of aqueous N-nitrosodiethylamine: experimental comparison of pulsed corona discharge with H2O2-assisted ozonation
Kask, Maarja; **Kritševskaja, Marina**; **Preis, Sergei**; **Bolobajev, Juri** Journal of environmental chemical engineering 2021 / art. 105102 https://doi.org/10.1016/j.jece.2021.105102 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Oxidative degradation of levofloxacin in aqueous solution by S2O82−/Fe2+, S2O82−/H2O2 and S2O82−/OH− processes : a comparative study
Epold, Irina; **Dulova, Niina** Journal of environmental chemical engineering 2015 / p. 1207-1214 : ill https://doi.org/10.1016%2Fj.jece.2015.04.019 Journal metrics at Scopus Article at Scopus

Paper microzones as a route to greener analytical chemistry
Kaljurand, Mihkel Current Opinion in Green and Sustainable Chemistry 2019 / p. 15-18 https://doi.org/10.1016/j.cogsc.2019.03.002 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

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

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

Predicting fuel properties using chemometrics : a review and an extension to temperature dependent physical properties by using infrared spectroscopy to predict density
Baird, Zachariah Steven; **Oja, Vahur** Chemometrics and intelligent laboratory systems 2016 / p. 41-47 : ill https://doi.org/10.1016/j.chemolab.2016.08.004 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Regeneration of filter materials contaminated by naturally occurring radioactive compounds in drinking water treatment plant
Goi, Anna; Nilb, Nele; Suursoo, Siiri; Putk, Kaisa; Kiisk, Madis; **Bolobajev, Juri** Journal of water process engineering 2019 / 100464, p. 1-10 : ill https://doi.org/10.1016/j.jwpe.2017.08.002 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

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

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

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

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 proceedings 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

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

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

Solution combustion synthesis of MnFeCoNiCu and (MnFeCoNiCu)3O4 high entropy materials and sintering thereof

Aydinyan, Sofiya; Kirakosyan, Hasmik; Sargsyan, Armen; **Volobujeva, Olga**; Kharatyan, Suren Ceramics International 2022 / p. 20294-20305 : ill https://doi.org/10.1016/j.ceramint.2022.03.310 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Sonolytic degradation of pesticide metazachlor in water : The role of dissolved oxygen and ferric sludge in the process intensification
Kask, Maarja; **Kritševskaja, Marina**; **Bolobajev, Juri** Journal of environmental chemical engineering 2019 / art. 103095, 7 p. : ill https://doi.org/10.1016/j.jece.2019.103095 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

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

Surface-active thermally responsive hydrogels by emulsion sedimentation for smart window applications
Timusk, Martin; Locs, Janis; Kangur, Triin; Kasikov, Aarne; **Kurnitski, Jarek**; Šutka, Andris ACS applied polymer materials 2023 / p. 5937-5950 : ill https://doi.org/10.1021/acsapm.3c00600 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Synthesis and characterization of mechanical properties of boron–carbon-based superhard composites
Kommel, Lembit; **Omranpour Shahreza, Babak** Carbon Letters 2023 / p. 1311-1319 https://doi.org/10.1007/s42823-022-00351-9 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

Thermal behavior of ceramic bodies based on Estonian clay from the Arumetsa deposit with oil shale ash and clinker dust additives
Kaljuvee, Tiit; **Uibu, Mai**; **Einard, Marve**; **Traksmaa, Rainer**; **Viljus, Mart**; Jefimova, Jekaterina; **Trikkel, Andres** Processes 2022 / art. 46 https://doi.org/10.3390/pr10010046 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Thermal behavior of Estonian graptolite-argillite from different deposits
Kaljuvee, Tiit; **Tõnsuaadu, Kaia**; **Einard, Marve**; **Mikli, Valdek**; **Kivimäe, Eliise-Koidula**; **Kallaste, Toivo**; **Trikkel, Andres** Processes 2022 / art. 1986 https://doi.org/10.3390/pr10101986 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

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

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

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

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

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

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