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

Adsorption of Cd2+ by an ion-imprinted thiol-functionalized polymer in competition with heavy metal ions and organic acids
Kong, Qiaoping; Xie, Binbin; **Preis, Sergei** RSC advances 2018 / p. 8950–8960 : ill https://doi.org/10.1039/c7ra11811b 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 characteristics analysis, measurement methods and modelling of flow dynamics in airlift reactors
Zhang, Tao; Wei, Chaohai; Feng, Chunhua; **Preis, Sergei** Chemical engineering and processing : process intensification 2019 / art. 107633, 19 p. : ill https://doi.org/10.1016/j.cep.2019.107633 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 nanomaterials induced biohydrogen production using waste biomass
Srivastava, Neha; Srivastava, Manish; Mishra, Pradeep Kumar; Kausar, Mohd Adnan; Saeed, Mohd; **Gupta, Vijai Kumar**; Singh, Rajeev; Ramteke, Pramod Wasudeo Bioresource Technology 2020 / art. 123094 https://doi.org/10.1016/j.biortech.2020.123094 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Alumina/graphene/Cu hybrids as highly selective sensor for simultaneous determination of epinephrine, acetaminophen and tryptophan in human urine
Taleb, Masoud; **Ivanov, Roman**; **Bereznev, Sergei**; Kazemi, Sayed Habib; **Hussainova, Irina** Journal of electroanalytical chemistry 2018 / p. 184-192 : ill https://doi.org/10.1016/j.jelechem.2018.06.013 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

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

Amphiphilic glycosylated block copolypeptides as macromolecular surfactants in the emulsion polymerization of styrene
Jacobs, Jaco; **Gathergood, Nicholas**; Heuts, Johan P. A.; Heise, Andreas Polymer chemistry 2015 / p. 4634-4640 : ill https://doi.org/10.1039/C5PY00548E Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Analysis of Industry 4.0 capabilities: a perspective of educational institutions and needs of industry
Mahmood, Kashif; **Otto, Tauno**; Kristensen, Jesper H.; Heidemann Lassen, Astrid; Brunoe, Thomas D.; Schou, Casper; Christiansen, Lasse; Laursen, Esben Skov Towards Sustainable Customization : Bridging Smart Products and Manufacturing Systems : proceedings of the 8th Changeable, Agile, Reconfigurable and Virtual Production Conference (CARV2021) and the 10th World Mass Customization & Personalization Conference (MCPC2021), Aalborg, Denmark, October/November 2021 2022 / p. 887–894 https://doi.org/10.1007/978-3-030-90700-6_101 Conference proceedings at Scopus Article at Scopus

Analysis of instantaneous cardiac EBI signal variability over the heart cycle(s) : non-linear time-scale approach
Krivošei, Andrei; **Min, Mart**; **Annus, Paul**; **Kõiv, Hip**; Aabloo, Alvo; Uuetoa, Tiina EMBEC & NBC 2017 : joint conference of the European Medical and Biological Engineering Conference (EMBEC) and the Nordic-Baltic Conference on Biomedical Engineering and Medical Physics (NBC), Tampere, Finland, June 2017 2018 / p. 940-943 : ill https://doi.org/10.1007/978-981-10-5122-7_235 Conference proceedings at Scopus Article at Scopus Article at WOS

Analysis of photocatalytic performance of nanostructured pyrogenic titanium dioxide powders in view of their polydispersity and phase transition : critical anatase particle size as a factor for suppression of charge recombination
Moiseev, Anna; **Kritševskaja, Marina**; Qi, Fei; Weber, Alfred; Deubener, Joachim Chemical engineering journal 2013 / p. 614-621 : ill https://doi.org/10.1016/j.cej.2013.05.038 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Analysis of the insolation criteria for nearly-zero energy buildings in Estonia
Voll, Hendrik; **De Luca, Francesco**; Pavlovas, Vitalis Science and technology for the built environment 2016 / p. 939-950 : ill https://doi.org/10.1080/23744731.2016.1195657 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Analyzing power and energy flexibilities by demand response in district heated buildings in Finland and Germany
Ju, Yuchen; **Jokisalo, Juha**; **Kosonen, Risto**; Kauppi, Ville; Janßen, Philipp Science and technology for the built environment 2021 / p. 1440-1460 : ill https://doi.org/10.1080/23744731.2021.1950434 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

ANAMMOX-denitrification biomass in microbial fuel cell to enhance the electricity generation and nitrogen removal efficiency
Zekker, Ivar; Bhowmick, Gourav Dhar; Priks, Hans; Nath, Dibyojyoty; Rikmann, Ergo; **Jaagura, Madis** Biodegradation 2020 / p. 249 - 264 https://doi.org/10.1007/s10532-020-09907-w 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

Antimicrobial activity of commercial photocatalytic SaniTise™ Window glass
Kisand, Vambola; Visnapuu, Meeri; **Rosenberg, Merilin**; Danilian, Dmytro; Vlassov, Sergei; Kook, Mati; Lange, Sven; Pärna, Rainer; Ivask, Angela Catalysts 2022 / art. 197 https://doi.org/10.3390/catal12020197 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

Any dynamical system is fully accessible through one single actuator and related problems
Kawano, Yu; **Kotta, Ülle**; Moog, Claude International journal of robust and nonlinear control 2016 / p. 1748-1754 https://doi.org/10.1002/rnc.3379 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

Application of agricultural waste as heterogeneous catalysts for biodiesel production
Khan, Haris Mahmood; Iqbal, Tanveer; Yasin, Saima; Ali, Chaudhry Haider; Abbas, Muhammad Mujtaba; Jamil, Muhhammad Asif; **Hussain, Abrar**; Soudagar, Manzoore Elahi M.; Rahman, Muhammad Muhitur Catalysts 2021 / art. 1215, 17 p. : ill https://doi.org/10.3390/catal11101215 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Application of differential scanning calorimetry to study solvent swelling of kukersite oil shale macromolecular organic matter : a comparison with the fine-grained sample volumetric swelling method
Hruljova, Jelena; **Järvik, Oliver**; **Oja, Vahur** Energy & fuels 2014 / p. 840-847 : ill https://doi.org/10.1021/ef401895u Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Ash characterisation formed under different oxy-fuel circulating fluidized bed conditions
Baqain, Mais Hanna Suleiman; **Yörük, Can Rüstü**; **Nešumajev, Dmitri**; **Järvik, Oliver**; **Konist, Alar** Fuel 2023 / art. 127244 https://doi.org/10.1016/j.fuel.2022.127244 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Ash melting behaviour of reed and woody fuels blends
Link, Siim; Yrjäs, Patrik; Lindberg, Daniel; **Trikkel, Andres**; **Mikli, Valdek** Fuel 2022 / art. 123051 https://doi.org/10.1016/j.fuel.2021.123051 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Assessment of associations between arterial mechanical properties and biochemical blood markers for early detection of atherosclerosis
Kööts, Kristina; **Pilt, Kristjan**; Sepa, Madis; Pikta, Marika; **Fridolin, Ivo**; **Meigas, Kalju**; **Viigimaa, Margus** 8th European Medical

and Biological Engineering Conference : proceedings of the EMBEC 2020, November 29 – December 3, 2020 Portorož, Slovenia 2021 / p. 121-129 https://doi.org/10.1007/978-3-030-64610-3_15 Conference Proceedings at Scopus Article at Scopus

Assessment of blood contamination in biological fluids using MALDI-TOF MS
Laks, Katrina; **Kirsipuu, Tiina**; **Dmitrijeva, Tuuli**; **Salumets, Andres**; **Palumaa, Peep** The protein journal 2016 / 171-176 https://doi.org/10.1007/s10930-016-9657-y Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Asymmetric aminocatalytic Michael addition of cyclopropane-containing aldehydes to nitroalkenes
Reitel, Kärt; **Lippur, Kristin**; **Järving, Ivar**; **Kudrjašova, Marina**; **Lopp, Margus**; **Kanger, Tõnis** Synthesis 2013 / p. 2679-2683 : ill https://doi.org/10.1055/s-0033-1338704 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Asymmetric chemoenzymatic one-pot synthesis of α-Hydroxy half-esters
Murre, Aleksandra; **Erkman, Kristin**; **Järving, Ivar**; **Kanger, Tõnis** ACS Omega 2021 / p. 20686-20698 : ill https://doi.org/10.1021/acsomega.1c02973 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Asymmetric Kulinkovich hydroxycyclopropanation of alkenes mediated by titanium(IV) TADDOLate complexes
Iskryk, Marharyta; **Barysevich, Maryia**; **Ošeka, Maksim**; Adamson, Jasper; **Kananovich, Dzmitry** Synthesis 2019 / p. 1935-1948 : ill https://doi.org/10.1055/s-0037-1611709 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Asymmetric organocatalytic cascade synthesis of tetrahydrofuranyl spirooxindoles
Trubitsõn, Dmitri; **Žari, Sergei**; **Kaabel, Sandra**; **Kudrjašova, Marina**; **Kriis, Kadri**; **Järving, Ivar**; Pehk, Tõnis; **Kanger, Tõnis** Synthesis 2018 / p. 314-322 : ill https://doi.org/10.1055/s-0036-1590918 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Asymmetric organocatalytic Michael addition–cyclisation cascade of cyclopentane-1,2-dione with alkylidene malononitriles
Silm, Estelle; **Kaabel, Sandra**; **Järving, Ivar**; **Kanger, Tõnis** Synthesis 2019 / p. 4198-4204 https://doi.org/10.1055/s-0039-1690484 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Asymmetric organocatalytic Michael Addition-cyclization cascade of cyclopentane-1,2-dione with substituted α,β-unsaturated aldehydes
Preegel, Gert; **Silm, Estelle**; **Kaabel, Sandra**; **Järving, Ivar**; Rissanen, Kari; **Lopp, Margus** Synthesis 2017 / p. 3118-3125 : ill https://doi.org/10.1055/s-0036-1588787 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Asymmetric organocatalytic synthesis of spiro-cyclopropaneoxindoles
Noole, Artur; Malkov, Andrei; **Kanger, Tõnis** Synthesis 2013 / p. 2520-2524 : ill https://doi.org/10.1055/s-0033-1338505 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Asymmetric synthesis of 2,3,4-trisubstituted piperidines
Kriis, Kadri; **Melnik, Triin**; **Lips, Kristiina**; **Juhanson, Ilona**; **Kaabel, Sandra**; **Järving, Ivar**; **Kanger, Tõnis** Synthesis 2017 / p. 604-614 : ill https://doi.org/10.1055/s-0036-1588299 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Aza-Michael reactions of isatin imines : deeper insight and origin of the stereoselectivity
Metsala, Andrus; **Žari, Sergei**; **Kanger, Tõnis** ChemCatChem 2016 / p. 2961-2967 : ill https://doi.org/10.1002/cctc.201600584 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Author Correction: Butler enables rapid cloud-based analysis of thousands of human genomes (Nature Biotechnology, (2020), 38, 3, (288-292), 10.1038/s41587-019-0360-3)
Yakneen, Sergei; Waszak, Sebastian M.; Aminou, Brice; Bartolome, Javier; Boroevich, Keith A.; Boyce, Rich; Brooks, Angela N.; Buchanan, Alex; Buchhalter, Ivo; Butler, Adam P.; Byrne, Niall J.; Cafferkey, Andy; **Uusküla-Reimand, Liis** Author Correction: Butler enables rapid cloud-based analysis of thousands of human genomes (Nature Biotechnology, (2020), 38, 3, (288-292), 10.1038/s41587-019-0360-3) 2023 / p. 577 https://doi.org/10.1038/s41587-022-01554-1 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Automatic detection of real and imaginary parts of electrical impedance with single synchronous demodulation channel
Annus, Paul; **Priidel, Eiko**; **Land, Raul**; **Metshein, Margus**; **Krivošei, Andrei**; **Min, Mart**; **Ratassepp, Madis**; **Märtens, Olev** 8th European Medical and Biological Engineering Conference : Proceedings of the EMBEC 2020, November 29 - December 3, 2020 Portorož, Slovenia 2021 / p. 151-157 https://doi.org/10.1007/978-3-030-64610-3_18 Conference Proceedings at Scopus Article at Scopus

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

Bimetallic metal-organic-framework-derived porous cobalt manganese oxide bifunctional oxygen electrocatalyst
Yusibova, Gulnara; Assafrei, Jürgen-Martin; **Ping, Kefeng**; Aruväli, Jaan; Paiste, Päärn; Käärik, M.; Leis, J.; Piirsoo, Helle-Mai; Tamm, Aile; **Starkov, Pavel** Journal of electroanalytical chemistry 2023 / art. 117161, 10 p.: ill https://doi.org/10.1016/j.jelechem.2023.117161 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Binary RuO2–CuO electrodes outperform RuO2 electrodes in measuring the pH in food samples
Lazouskaya, Maryna; **Vetik, Iuliia**; Tamm, Martti; Uppuluri, Kiranmai; **Scheler, Ott** ACS omega 2023 / p. 13275-13284 https://doi.org/10.1021/acsomega.3c00538 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Biodegradable polyurethane/graphene oxide scaffolds for soft tissue engineering : in vivo behavior assessment
Ivanoska-Dacikj, Aleksandra; Bogoeva-Gaceva, Gordana; **Krumme, Andres**; **Tarasova, Elvira**; Scalera, Chiara; Stojkovski, Velimir; Gjorgoski, Icko; Ristoski, Trpe International Journal of Polymeric Materials and Polymeric Biomaterials 2020 / p. 1101 - 1111 https://doi.org/10.1080/00914037.2019.1655754 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Bioprocessing of waste biomass for sustainable product development and minimizing environmental impact
Usmani, Zeba; Sharma, Minaxi; Awasthi, Abhishek Kumar; Sivakumar, Nallusamy; **Lukk, Tiit** Bioresource technology 2021 / art. 124548, 12 p. : ill https://doi.org/10.1016/j.biortech.2020.124548 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

Biotechnological advances for restoring degraded land for sustainable development
Tripathi, Vishal; Edrisi, Sheikh Adil; Chen, Bin; **Gupta, Vijai Kumar**; **Vilu, Raivo**; **Gathergood, Nicholas**; Abhilash, P.C. Trends in biotechnology 2017 / p. 847-859 : ill https://doi.org/10.1016/j.tibtech.2017.05.001 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

BOD/COD ratio as a probing index in the O/H/O process for coking wastewater treatment
Wei, Gengrui; Wei, Tuo; Li, Zemin; Wei, Cong; Kong, Qiaopin; Guan, Xianghong; Qiu, Guanglei; Hu, Yun; Wei, Chaohai; Zhu, Shuang; Liu, Yu; **Preis, Sergei** Chemical Engineering Journal 2023 / art. 143257 https://doi.org/10.1016/j.cej.2023.143257 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Business process optimization based on logistics concepts and technologies
Prokopenko, Olha; Dikiy, Alexander; Butenko, Nataliia; Naumenko, Mariya; Dedilova, Tetiana; Miroshnyk, Roman International journal of advanced research in engineering and technology 2020 / p. 184−196 http://www.iaeme.com/MasterAdmin/Journal_uploads/IJARET/VOLUME_11_ISSUE_6/IJARET_11_06_017.pdf Journal metrics at Scopus Article at Scopus

Calculation method for optimization of barge hull
Gornostajev, Dmitri; **Arjassov, Gennadi**; **Penkov, Igor** International review of mechanical engineering (IREME) 2016 / p. 115-124 : ill https://doi.org/10.15866/ireme.v10i2.8351 Journal metrics at Scopus Article at Scopus

Calculation method for plates with discrete variable thickness under uniform loading or hydrostatic pressure
Aryassov, G.; Gornostajev, Dmitri; **Penkov, Igor** International journal of applied mechanics and engineering 2018 / p. 835–853 https://doi.org/10.2478/ijame-2018-0046 Journal metrics at Scopus Article at Scopus

Calculations of activation energy and frequency factors for corn leafs pyrolysis using excel solver: new concept
Al-Ayed, Omar Salim; Amer, Mohammad Waleed; **Maaten, Birgit**; Ahmed, Muhammad Sajjad International journal of chemical reactor engineering 2021 / p. 799−807 https://doi.org/10.1515/ijcre-2020-0140 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Carbon aerogel-based solid-phase microextraction coating for the analysis of organophosphorus pesticides
Jõul, Piia; **Vaher, Merike**; **Kuhtinskaja, Maria** Analytical methods 2021 / p. 69−76 : ill https://doi.org/10.1039/D0AY02002H Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Carbonation and leaching behaviors of cement-free monoliths based on high-sulfur fly ashes with the incorporation of amorphous calcium aluminate
Usta, Mustafa Cem; **Yörük, Can Rüstü**; **Uibu, Mai**; **Traksmaa, Rainer**; **Hain, Tiina**; **Gregor, Andre**; **Trikkel, Andres** ACS omega 2023 / p. 29543–29557 : ill https://doi.org/10.1021/acsomega.3c03286 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Case study comparison of bubbling fluidised fed and grate-fired biomass combined heat and power plants

Rummel, Leo; **Paist, Aadu** Chemical engineering transactions 2016 / p. 1147-1152 : ill https://doi.org/10.3303/CET1652192 Journal metrics at Scopus Article at Scopus Article at WOS

Cellular, extracellular and extracellular vesicular miRNA profiles of pre-ovulatory follicles indicate signaling disturbances in polycystic ovaries
Rooda, Ilmatar; Hasan, Mohammed Mehedi; **Roos, Kristine**; Viil, Janeli; **Smolander, Olli-Pekka**; **Velthut-Meikas, Agne** International journal of molecular sciences 2020 / art. 9550, 23 p. : ill https://doi.org/10.3390/ijms21249550 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

CFD simulation of bubbly flow in a long coaxial heat exchanger
Akhmadullin, Ildar; **Kartušinski, Aleksander** Thermal Science and Engineering Progress 2021 / art. 100991, 11 p https://doi.org/10.1016/j.tsep.2021.100991 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

Changes in trace element contents in ashes of oil shale fueled PF and CFB boilers during operation
Reinik, Janek; Irha, Natalya; Steinnes, Eiliv; Urb, Gary; Jefimova, Jekaterina; Piirisalu, Eero; **Loosaar, Jüri** Fuel Processing Technology 2013 / p. 174 - 181 https://doi.org/10.1016/j.fuproc.2013.06.001 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Characterization of ash melting of reed and wheat straw blend
Link, Siim; Yrjas, Patrik; Lindberg, Daniel; **Trikkel, Andres** ACS omega 2022 / p. 2137-2146 : ill https://doi.org/10.1021/acsomega.1c05087 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Characterization of new allele influencing flowering time in bread wheat introgressed from Triticum militinae
Ivaničova, Zuzana; **Jakobson, Irena**; **Reis, Diana**; **Järve, Kadri** New biotechnology 2016 / p. 718-727 : ill https://doi.org/10.1016/j.nbt.2016.01.008 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Characterization of protein-protein interfaces in large complexes by solid-state NMR solvent paramagnetic relaxation enhancements
Öster, Carl; Kosol, Simone; Hartlmüller, Christoph; Lamley, Jonathan M.; Iuga, Dinu; **Oss, Andres**; **Org, Mai-Liis**; **Vanatalu, Kalju**; **Samoson, Ago**; Madl, Tobias; Lewandowski, Jozef R. Journal of the American Chemical Society 2017 / p. 12165-12174 : ill https://doi.org/10.1021/jacs.7b03875 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Classification algorithm improvement for physical activity recognition in maritime environments
Allik, Ardo; **Pilt, Kristjan**; **Karai, Deniss**; **Fridolin, Ivo**; **Leier, Mairo**; **Jervan, Gert** World Congress on Medical Physics and Biomedical Engineering 2018 : June 3–8, 2018, Prague, Czech Republic (Vol. 3) 2019 / p. 13-17 https://doi.org/10.1007/978-981-10-9023-3_3 Conference proceeding Article at Scopus 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

Coating with microbial hydrophobins : a novel approach to develop smart drug nanoparticles
Singh, Brahma N.; Singh, Braj R.; **Gupta, Vijai Kumar** Trends in biotechnology 2018 / p. 1103–1106 : ill https://doi.org/10.1016/j.tibtech.2018.03.006 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

CoB-TiB2 crystalline powders : Synthesis, microstructural analysis and their utilization as reinforcement agent
Khoshsima, Sina; Altıntas, Zerrin; Burkhardt, Ulrich; Schmidt, Marcus; **Prashanth, Konda Gokuldoss**; Somer, Mehmet; Balci, Özge Advanced powder technology 2020 / p. 2964-2972 https://doi.org/10.1016/j.apt.2020.05.026 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Co-digestion of sewage sludge and sterilized solid slaughterhouse waste : methane production efficiency and process limitations
Pitk, Peep; Kaparaju, Prasad; Palatsi, Jordi; Affes, Rim; **Vilu, Raivo** Bioresource technology 2013 / p. 227-232 : ill https://www.sciencedirect.com/science/article/pii/S0960852413002526 https://doi.org/10.1016/j.biortech.2013.02.029 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Co-hydrothermal liquefaction of lignocellulosic biomass with kukersite oil shale
Akalin, Ece; Kim, Young-Min; Alper, Koray; **Oja, Vahur** Energy & fuels 2019 / p. 7424-7435 : ill https://doi.org/10.1021/acs.energyfuels.9b01473 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

Combustion as a possible solution to pyrolytic wastewater utilization
Konist, Alar; **Järvik, Oliver**; **Pihu, Tõnu**; **Nešumajev, Dmitri** Chemical engineering transactions 2018 / p. 859-864 : ill https://doi.org/10.3303/CET1870144 Journal metrics at Scopus Article at Scopus

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

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

Comparison of sulfate-reducing and conventional Anammox upflow anaerobic sludge blanket reactors
Rikmann, Ergo; Zekker, Ivar; Tomingas, Martin; Vabamäe, Priit; Kroon, Kristel; Saluste, Alar; Tenno, Taavo; Menert, Anne; Rubin, Sergio S.C. Journal of bioscience and bioengineering 2014 / p. 426-433 : ill https://doi.org/10.1016/j.jbiosc.2014.03.012 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Complete capillary electrophoresis process on a drone : towards a flying micro-lab
Drevinskas, Tomas; Maruška, Audrius; Girdauskas, Valdas; Dūda, Gediminas; **Gorbatsova, Jelena**; **Kaljurand, Mihkel** Analytical Methods 2020 / p. 4977 - 4986 https://doi.org/10.1039/d0ay01220c Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Computational results of the ecotoxic analysis of fly and bottom ash from oil shale power plants and shale oil production facilities
Lees, Heidi; **Järvik, Oliver**; **Konist, Alar**; **Siirde, Andres**; **Maaten, Birgit** Chemical engineering transactions 2020 / p. 967-972 https://doi.org/0.3303/CET2081162 https://www.scopus.com/record/display.uri?eid=2-s2.0-85092033034&origin=inward&txGid=0c1c7fc07fcc8f2767255413a47fc58b Journal metrics at Scopus Article at Scopus

Construction of gender-specific regression models for aortic length estimation based on computed tomography images
Zemtsovskaja, Galina; **Pilt, Kristjan**; Samarin, Andrei; **Albina, Jelena**; **Meigas, Kalju**; **Viigimaa, Margus** Health and technology 2020 / p. 679–687 : ill https://doi.org/10.1007/s12553-019-00391-8 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Controllable limiter of signal amplitudes for bioimpedance measurements
Ojarand, Jaan; **Min, Mart** EMBEC & NBC 2017 : joint conference of the European Medical and Biological Engineering Conference (EMBEC) and the Nordic-Baltic Conference on Biomedical Engineering and Medical Physics (NBC), Tampere, Finland, June 2017 2018 / p. 920-923 : ill https://doi.org/10.1007/978-981-10-5122-7_230 Conference proceedindgs at Scopus Article at Scopus Article at WOS

Copper–zinc oxide heterojunction catalysts exhibiting enhanced photocatalytic activity prepared by a hybrid deposition method
Montero, Jose; Welearegay, Tesfalem; Thyr, Jakob; Stopfel, Henry; **Dedova, Tatjana**; **Oja Acik, Ilona**; Österlund, Lars RSC advances 2021 / p. 10224−10234 https://doi.org/10.1039/d1ra00691f Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Co-pyrolysis of Estonian oil shale with polymer wastes

Pihl, Olga; **Khaskhachikh, Vladimir**; **Kravetskaja, Julia**; **Niidu, Allan**; **Siirde, Andres** ACS omega 2021 / p. 31658–31666 : ill https://doi.org/10.1021/acsomega.1c04188 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Corrigendum to Improvement in iron activation ability of alachlor Fenton-like oxidation by ascorbic acid [Chem. Eng. J. 281 (2015) 566-574] Doi: 10.1016/j.cej.2015.06.115
Bolobajev, Juri; **Trapido, Marina**; **Goi, Anna** Chemical Engineering Journal 2016 / p. 19 https://doi.org/10.1016/j.cej.2015.11.001 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Corrosion and life assessment of IntrexTM superheater tubes in a CFB oil shale boiler
Dedov, Andrei; **Klevtsov, Ivan**; **Lausmaa, Toomas**; **Hlebnikov, Aleksandr**; **Bojarinova, Tatjana** Applied thermal engineering 2016 / p. 468-478 : ill https://doi.org/10.1016/j.applthermaleng.2015.12.061 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

A COST Action on microbial responses to low pH : developing links and sharing resources across the academic-industrial divide
Azizi, Tamir; Carvalho De Araujo, Laurine; Cetecioglu, Zeynep; Clancy, Aisha J.; Feger, Marie L.; Liran, Oded; O'Byrne, Conor; **Sanka, Immanuel**; **Scheler, Ott**; Sedlakova-Kadukova, Jana; Ziv, Carmit; De Biase, Daniela; Lund, Peter A. New biotechnology 2022 / p. 64-70 https://doi.org/10.1016/j.nbt.2022.09.002 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Cost savings and CO2 emissions reduction potential in the German district heating system with demand response
Ju, Yuchen; Lindholm, Joakim; Verbeck, Moritz; **Jokisalo, Juha**; **Kosonen, Risto**; Janßen, Philipp; Li, Yantong; Schäfers, Hans; Nord, Natasa Science and Technology for the Built Environment 2022 / p. 255 - 274 https://doi.org/10.1080/23744731.2021.2018875 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Critical aspects for collision induced oil spill response and recovery system in ice conditions: A model-based analysis
Lu, Liangliang; Goerlandt, Floris; **Tabri, Kristjan**; Hoglund, Anders; Banda, Osiris A. Valdez; Kujala, Pentti Journal of loss prevention in the process industries 2020 / art. 104198, 20 p. : ill https://doi.org/10.1016/j.jlp.2020.104198 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Crystal phase and surface defect driven synthesis of Pb1−xSnxF2 solid solution electrolyte for fluoride ion batteries
Molaiyan, Palanivel; **Witter, Raiker** Journal of electroanalytical chemistry 2019 / p. 154-159 https://doi.org/10.1016/j.jelechem.2019.04.063 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

De novo 3D structure determination from sub-milligram protein samples by solid-state 100 kHz MAS NMR spectroscopy
Agarwal, Vipin; Penzel, Susanne; Szekely, Kathrin; Cadalbert, Riccardo; Testori, Emilie; **Oss, Andres**; **Past, Jaan**; **Samoson, Ago**; Ernst, Matthias; Böckmann, Anja; Meier, Beat H. Angewandte Chemie international edition 2014 / p. 12253-12256 : ill https://doi.org/10.1002/anie.201405730 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

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

Degradation of antibiotic vancomycin by UV photolysis and pulsed corona discharge combined with extrinsic oxidants
Nikitin, Dmitri; Kaur, Balpreet; **Preis, Sergei**; **Dulova, Niina** Catalysts 2023 / art. 466, 16 p. : ill https://doi.org/10.3390/catal13030466 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

Degradation of levofloxacin in aqueous solutions by Fenton, ferrous ion-activated persulfate and combined Fenton/persulfate systems
Epold, Irina; **Trapido, Marina**; **Dulova, Niina** Chemical engineering journal 2015 / p. 452-462 : ill https://doi.org/10.1016/j.cej.2015.05.054 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Degradation of naproxen by ferrous ion-activated hydrogen peroxide, persulfate and combined hydrogen peroxide/persulfate processes : the effect of citric acid addition
Dulova, Niina; **Kattel, Eneliis**; **Trapido, Marina** Chemical engineering journal 2017 / p. 254-263 : ill

https://doi.org/10.1016/j.cej.2016.07.006 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Degradation of organophosphate pesticides using pyridinium based functional surfactants
Sharma, Rahul; Gupta, Bhanushree; **Karpichev, Yevgen**; **Gathergood, Nicholas** ACS sustainable chemistry & engineering 2016 / p. 6962-6973 : ill https://doi.org/10.1021/acssuschemeng.6b01878 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Dehydration of AlPO4-34 studied by variable-temperature NMR, XRD and first-principles calculations
Varlec, Jure; Krajnc, Andraž; **Vanatalu, Kalju**; **Oss, Andres**; **Samoson, Ago** New journal of chemistry 2016 / p. 4178-4186 : ill https://doi.org/10.1039/c5nj02838h Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Dependence of the EEG nonlinear coupling on the frequency bands and the segment lengths
Orgo, Laura; **Bachmann, Maie**; **Kalev, Kaia**; Järvelaid, Mari; **Raik, Jaan**; **Hinrikus, Hiie** EMBEC & NBC 2017 : joint conference of the European Medical and Biological Engineering Conference (EMBEC) and the Nordic-Baltic Conference on Biomedical Engineering and Medical Physics (NBC), Tampere, Finland, June 2017 2018 / p. 799-802 https://doi.org/10.1007/978-981-10-5122-7_200 Conference proceedings at Scopus Article at Scopus 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 the first net-zero energy buildings in Estonia
Arumägi, Endrik; **Kalamees, Targo** Science and technology for the built environment 2016 / p. 1039-1049 : ill https://doi.org/10.1080/23744731.2016.1206793 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Detailed insight into the CZTS/CdS interface modification by air annealing in monograin layer solar cells
Kauk-Kuusik, Marit; **Timmo, Kristi**; **Muska, Katri**; **Pilvet, Maris**; **Krustok, Jüri**; **Josepson, Raavo**; Brammertz, Guy; Vermang, Bart; **Danilson, Mati**; **Grossberg, Maarja** ACS Applied Energy Materials 2021 / p. 12374−12382 https://doi.org/10.1021/acsaem.1c02186 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Detailed modeling of sorptive and textural properties of CaO-based sorbents with various porous structures
Bazaikin, Ya.V.; Malkovich, E.G.; Prokhorov, D.I.; **Derevshchikov, Vladimir** Separation and purification technology 2021 / art. 117746, 12 p. : ill https://doi.org/10.1016/j.seppur.2020.117746 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Determination of natural convection heat transfer coefficient over the fin side of a coil system
Shams Ghahfarokhi, Payam; **Belahcen, Anouar**; **Kallaste, Ants**; **Vaimann, Toomas**; **Rassõlkin, Anton** International journal of heat and mass transfer 2018 / p. 677-682 : ill https://doi.org/10.1016/j.ijheatmasstransfer.2018.05.071 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Development of yttrium-doped BaTiO3 for next-generation multilayer ceramic capacitors
Tihtih, Mohammed; Ibrahim, Jamal Eldin F. M.; Basyooni, Mohamed A.; En-Nadir, Redouane; Belaid, Walid; **Hussainova, Irina**; Kocserha, István ACS omega 2023 / p. 8448-8460 : ill https://doi.org/10.1021/acsomega.2c07497 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Diastereoselective [2,3]-sigmatropic rearrangement of N-allyl ammonium ylides
Murre, Aleksandra; **Erkman, Kristin**; **Kaabel, Sandra**; **Järving, Ivar**; **Kanger, Tõnis** Synthesis 2019 / p. 4183–4197 https://doi.org/10.1055/s-0039-1690185 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Differential susceptibility of catheter biomaterials to biofilm-associated infections and their remedy by drug-encapsulated eudragit RL100 nanoparticles
Pandey, Vivek Kumar; Srivastava, Kumar Rohit; Ajmal, Gufran; Thakur, Vijay Kumar; **Gupta, Vijai Kumar**; Upadhyay, Siddh Nath; Mishra, Pradeep Kumar International Journal of Molecular Sciences 2019 / Art. nr. 5110 https://doi.org/10.3390/ijms20205110 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Digital-toolkit for sports tourism promoting
Prokopenko, Olha; Rusavska, Valentyna; Maliar, Nelia; Tvelina, Alisa; Opanasiuk, Nataliia; Aldankova, Halyna International journal of advanced research in engineering and technology 2020 / p. 84-96 http://www.iaeme.com/IJARET/issues.asp?JType=IJARET&VType=11&IType=5 Journal metrics at Scopus Article at Scopus

Direct competition of ATCUN peptides with human serum albumin for copper(II) ions determined by LC-ICP MS
Noormägi, Andra; **Golubeva, Tatjana**; **Berntsson, Elina**; Warmländer, Sebastian K.T.S.; **Tõugu, Vello**; **Palumaa, Peep** ACS omega 2023 / p. 33912−33919 https://doi.org/10.1021/acsomega.3c04649 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Direct droplet digital PCR (dddPCR) for species specific, accurate and precise quantification of bacteria in mixed samples

Pacocha, Natalia; **Scheler, Ott**; Nowak, Mikolaj Marcin Analytical methods 2019 / p. 5655–5738 : ill https://doi.org/10.1039/c9ay01874c Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Diversity in TAF proteomics : consequences for cellular differentiation and migration
Kazantseva, Jekaterina; **Palm, Kaia** International journal of molecular sciences 2014 / p. 16680-16697 : ill https://doi.org/10.3390/ijms150916680 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Droplet image analysis with user-friendly freeware CellProfiler
Bartkova, Simona; **Vendelin, Marko**; **Sanka, Immanuel**; **Pata, Pille**; **Scheler, Ott** Analytical methods 2020 / p. 2287-2294 : ill https://doi.org/10.1039/D0AY00031K Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Droplet-based methods for tackling antimicrobial resistance
Ruszczak, Artur; **Bartkova, Simona**; Zapotoczna, Marta; **Scheler, Ott**; Garstecki, Piotr Current opinion in biotechnology 2022 / art. 102755 https://doi.org/10.1016/j.copbio.2022.102755 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Dye-decolorizing peroxidase of streptomyces coelicolor (ScDyPB) exists as a dynamic mixture of kinetically different oligomers
Pupart, Hegne; Vastšjonok, Darja; **Lukk, Tiit**; Väljamäe, Priit ACS Omega 2023 / p. 3866-3876 : ill https://doi.org/10.1021/acsomega.3c07963 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

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

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

EEG functional connectivity detects seasonal changes
Päeske, Laura; **Bachmann, Maie**; **Raik, Jaan**; **Hinrikus, Hiie** World Congress on Medical Physics and Biomedical Engineering 2018 : June 3–8, 2018, Prague, Czech Republic (Vol. 2) 2018 / p. 237-240 https://doi.org/10.1007/978-981-10-9038-7_44 Conference Proceedings at Scopus Article at Scopus Article at WOS

EEG spectral asymmetry index detects differences between leaders and non-leaders
Põld, Toomas; **Bachmann, Maie**; **Orgo, Laura**; **Kalev, Kaia**; **Lass, Jaanus**; **Hinrikus, Hiie** EMBEC & NBC 2017 : joint conference of the European Medical and Biological Engineering Conference (EMBEC) and the Nordic-Baltic Conference on Biomedical Engineering and Medical Physics (NBC), Tampere, Finland, June 2017 2018 / p. 17-20 https://doi.org/10.1007/978-981-10-5122-7_5 Conference proceedings at Scopus Article at Scopus Article at WOS

EEG spectral asymmetry is dependent on education level of men
Põld, Toomas; **Bachmann, Maie**; **Päeske, Laura**; **Kalev, Kaia**; **Lass, Jaanus**; **Hinrikus, Hiie** World Congress on Medical Physics and Biomedical Engineering 2018 : June 3–8, 2018, Prague, Czech Republic (Vol. 2) 2018 / p. 405–408 https://doi.org/10.1007/978-981-10-9038-7_76 Conference Proceedings at Scopus Article at Scopus Article at WOS

Effect of a shale oil–based additive on the properties of biodiesel fuel
Vallbaum, Erko; **Muoni, Rein**; **Soone, Jüri** Solid fuel chemistry 2018 / p. 44 - 52 https://doi.org/10.3103/S0361521918010093 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 log soaking and the temperature of peeling on the properties of rotary-cut birch (Betula pendula Roth) veneer bonded with phenol-formaldehyde adhesive
Rohumaa, Anti; Yamamoto, Akio; Hunt, Christopher Glaab; Frihart, Charles Richard; Hughes, Mark; **Kers, Jaan** Bioresources 2016 / p. 5829-5838 : ill https://doi.org/10.15376/biores.11.3.5829-5838 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Effect of N2 and CO2 on shale oil from pyrolysis of Estonian oil shale

Mozaffari, Sepehr; **Järvik, Oliver**; **Baird, Zachariah Steven** International journal of coal preparation and utilization 2022 / p. 2908-2922 https://doi.org/10.1080/19392699.2021.1914025 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

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

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

The effect of surface properties on bond strength of birch, black alder, grey alder and aspen veneers
Rohumaa, Anti; **Kallakas, Heikko**; **Mäetalu, Marja**; **Savest, Natalja**; **Kers, Jaan** International Journal of Adhesion and Adhesives 2021 / art. 102945 https://doi.org/10.1016/j.ijadhadh.2021.102945 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

Effects of persulfate and hydrogen peroxide on oxidation of oxalate by pulsed corona discharge
Tikker, Priit; **Dulova, Niina**; Kornev, Iakov; **Preis, Sergei** Chemical engineering journal 2021 / art. 128586 https://doi.org/10.1016/j.cej.2021.128586 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Efficiency optimization of mini unmanned multicopter
Penkov, Igor; **Aleksandrov, Dmitri** International review of aerospace engineering 2017 / p. 277-281 : ill https://doi.org/10.15866/irease.v10i5.12132 Journal metrics at Scopus Article at Scopus

Efficient dark fermentative hydrogen production from enzyme hydrolyzed rice straw by Clostridium pasteurianum (MTCC116)
Srivastava, Neha; Srivastava, Manish; Kushwaha, Deepika; **Gupta, Vijai Kumar**; **Manikanta, Ambepu**; Ramteke, Pramod Wasudeo; **Mishra, Pradeep Kumar** Bioresource technology 2017 / p. 552-558 : ill https://doi.org/10.1016/j.biortech.2017.04.077 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Efficient energy recovery from textile waste and biomass mixture
Kramens, Janis; Vigants, Edgars; Kanukuntla, Sai-Pavan; **Goljandin, Dmitri** Engineering for Rural Development ; vol. 22 2023 / p. 817 - 825 https://doi.org/10.22616/ERDev.2023.22.TF161 Conference Proceedings 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

Electrocatalysis of oxygen reduction by iron-containing nitrogen-doped carbon aerogels in alkaline solution
Sarapuu, Ave; **Kreek, Kristiina**; Kisand, Kaarel; Kook, Mati; **Uibu, Mai**; **Koel, Mihkel**; Tammeveski, Kaido Electrochimica acta 2017 / p. 81-88 : ill https://doi.org/10.1016/j.electacta.2017.01.157 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Electrochemical aziridination of internal alkenes with primary amines
Ošeka, Maksim; Laudadio, Gabriele; van Leest, Nicolaas P.; Dyga, Marco; Bartolomeu, Aloisio de A.; Gooßen, Lukas J.; de Bruin, Bas; de Oliveira, Kleber T.; Noël, Timothy Chem 2021 / p. 255 - 266 https://doi.org/10.1016/j.chempr.2020.12.002 Journal metrics at

Scopus Article at Scopus Journal metrics at WOS Article at WOS

Electrochemical characterisation of Co@Co(OH)2 core-shell nanoparticles and their aggregation in solution
Xie, Ruo-Chen; Batchelor-McAuley, Christopher; **Rauwel, Erwan**; Rauwel, Protima; Compton, Richard G. ChemElectroChem 2020 / p. 4259 - 4268 https://doi.org/10.1002/celc.202001199 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Electrode optimization for bioimpedance based central aortic blood pressure estimation
Metshein, Margus; **Kõiv, Hip**; **Annus, Paul**; **Min, Mart** World Congress on Medical Physics and Biomedical Engineering 2018 : June 3–8, 2018, Prague, Czech Republic (Vol. 2) 2018 / p. 497-501 https://doi.org/10.1007/978-981-10-9038-7_92 Conference Proceedings at Scopus Article at Scopus Article at WOS

Electroencephalography as an objective indicator of stress
Gavriljuk, Marietta; **Uudeberg, Tuuli**; **Pilt, Kristjan**; **Karai, Deniss**; **Fridolin, Ivo**; **Bachmann, Maie** 19th Nordic-Baltic Conference on Biomedical Engineering and Medical Physics : Proceedings of NBC 2023, June 12–14, 2023, Liepaja, Latvia 2023 / p. 221–226 https://doi.org/10.1007/978-3-031-37132-5_28 Conference proceedings at Scopus Article at Scopus

Electroreduction of oxygen on carbide-derived carbon supported Pd catalysts
Lüsi, Madis; Erikson, Heiki; Sarapuu, Ave; Merisalu, Maido; Rähn, Mihkel; Treshchalov, Alexey; Paiste, Päärn; Käärik, Maike; Leis, Jaan; Sammelselg, Väino; **Kaljuvee, Tiit**; Tammeveski, Kaido GSFMT Scientific Conference 2020 : Tallinn, February 4-5, 2020 : abstracts 2020 / p. 57 : ill https://fmtdk.ut.ee/wp-content/uploads/2020/01/GSFMT2020.pdf https://doi.org/10.1002/celc.201902136 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Electrospun carbon nanofibre-based catalysts prepared with Co and Fe phthalocyanine for oxygen reduction in acidic medium
Muuli, Kaur; Mooste, Marek; Akula, Srinu; **Gudkova, Viktoria**; Otsus, Markus; Kikas, Arvo; Aruväli, Jaan; Treshchalov, Alexey; Kisand, Vambola; **Krumme, Andres** ChemElectroChem 2023 / art. e202300131, 12 p. : ill https://doi.org/10.1002/celc.202300131 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Electrospun polyacrylonitrile-derived Co and Fe containing nanofibre catalysts for oxygen reduction reaction at the alkaline membrane fuel cell cathode
Mooste, Marek; Kibena-Põldsepp, Elo; **Vassiljeva, Viktoria**; Kikas, Arvo; Käärik, Maike; Kozlova, Jekaterina; Kisand, Vambola; Külaviir, Marian; Cavaliere, S.; Leis, Jaan; **Krumme, Andres**; Sammelselg, Väino; Holdcroft, Steven; Tammeveski, Kaido ChemCatChem 2020 / p. 4568−4581 : ill https://doi.org/10.1002/cctc.202000658 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

Enantioselective construction of acyclic quaternary carbon stereocenters : palladium-catalyzed decarboxylative allylic alkylation of fully substituted amide enolates
Starkov, Pavel; Moore, Jared T.; Duquette, Douglas C.; Stoltz, Brian M.; Marek, Ilan Journal of the American Chemical Society 2017 / p. 9615-9620 : ill https://doi.org/10.1021/jacs.7b04086 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Enantioselective N-Alkylation of Nitroindoles under Phase-Transfer Catalysis
Trubitsõn, Dmitri; **Martõnova, Jevgenia**; **Erkman, Kristin**; **Metsala, Andrus**; Saame, Jaan; Köster, Kristjan; **Järving, Ivar**; Leito, Ivo; **Kanger, Tõnis** Synthesis 2020 / p. 1047-1059 https://doi.org/10.1055/s-0039-1690751 Journal metrics at Scopus Article at WOS Journal metrics at WOS Article at WOS

Enantioselective organocatalytic Michael addition of cyclopentane-1,2-diones to nitroolefins
Preegel, Gert; **Noole, Artur**; **Ilmarinen, Kaja**; **Järving, Ivar**; **Kanger, Tõnis**; **Pehk, Tõnis**; **Lopp, Margus** Synthesis 2014 / p. 2595-2600 : ill https://doi.org/10.1055/s-0034-1378374 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Endolichenic Fungi: a hidden reservoir of next generation biopharmaceuticals
Singh, Brahma N.; Upreti, Dalip K.; **Gupta, Vijai Kumar**; Dai, Xiao-Feng; Jiang, Yueming Trends in biotechnology 2017 / p. 808-813 https://doi.org/10.1016/j.tibtech.2017.03.003 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Energy production from steam gasification processes and parameters that contemplate in biomass gasifier – a review
Singh Siwal, Samarjeet; Zhang, Qibo; Sun, Changbin; Thakur, Sourbh; **Gupta, Vijai Kumar**; Kumar Thakur, Vijay Bioresource Technology 2020 / Art. nr. 122481 https://doi.org/10.1016/j.biortech.2019.122481 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

Engineered microbial host selection for value-added bioproducts from lignocellulose
Paula, Renato Graciano de; Antoniêto, Amanda Cristina Campos; **Gupta, Vijai Kumar** Biotechnology Advances 2019 / art. 107347, 18 p. : ill https://doi.org/10.1016/j.biotechadv.2019.02.003 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 expression of human prostaglandin H synthase-2 in the yeast Pichia pastoris and removal of the C-terminal tag with bovine carboxypeptidase A
Kukk, Kaia; **Samel, Nigulas** Journal of biotechnology 2016 / p. 224-231 : ill https://doi.org/10.1016/j.jbiotec.2016.06.015 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Enhanced visible and ultraviolet light-induced gas-phase photocatalytic activity of TiO2 thin films modified by increased amount of acetylacetone in precursor solution for spray pyrolysis
Spiridonova, Jekaterina; **Mere, Arvo**; **Krunks, Malle**; **Rosenberg, Merilin**; Kahru, Anne; **Danilson, Mati**; **Kritševskaja, Marina**; **Oja Acik, Ilona** Catalysts 2020 / 21 p. : ill https://doi.org/10.3390/catal10091011 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

Enrichment of Plasticicumulans acidivorans at pilot-scale for PHA production on industrial wastewater
Tamis, Jelmer; **Lužkov, Kätlin**; Jiang, Yang; Loosdrecht, Mark C.M. van; Kleerebezem, Robbert Journal of biotechnology 2014 / p. 61-169 : ill https://doi.org/10.1016/j.jbiotec.2014.10.022 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Enzymatic synthesis and polymerization of isosorbide-based monomethacrylates for high-Tg plastics
Matt, Livia; **Parve, Jaan**; **Parve, Omar**; Pehk, Tõnis; Liblikas, Ilme; Vares, Lauri; Jannasch, Patric ACS sustainable chemistry & engineering 2018 / p. 17382-17390 https://doi.org/10.1021/acssuschemeng.8b05074 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Erratum to: Assessment of Blood Contamination in Biological Fluids Using MALDI-TOF MS (Protein J, 10.1007/s10930-016-9657-y)
Laks, Katrina; **Kirsipuu, Tiina**; **Dmitrijeva, Tuuli**; Salumets, Andres; **Palumaa, Peep** Protein Journal 2016 / p. 177 - 178 https://doi.org/10.1007/s10930-016-9660-3 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Erratum: Copper-zinc oxide heterojunction catalysts exhibiting enhanced photocatalytic activity prepared by a hybrid deposition method (RSC Advances (2021) 11 (10224–10234) DOI: 10.1039/D1RA00691F)
Montero, José; Welearegay, Tesfalem; Thyr, Jakob; Stopfel, Henry; **Dedova, Tatjana**; **Oja Acik, Ilona**; Österlund, Lars RSC Advances 2021 / p. 13635 https://doi.org/10.1039/d1ra90096j 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

Eulerian-Eulerian modelling of particle-laden two-phase flow
Kartušinski, Aleksander; **Tisler, Sergei**; Oliveira, Jorge L. G.; Geld, C. W. M., van der Powder technology 2016 / p. 999-1007 : ill

https://doi.org/10.1016/j.powtec.2016.07.053 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Evaluating the changes in the functional status of the musculoskeletal system before and after an intervention among sewing machine operators with partial work ability
Traumann, Ada; **Tint, Piia**; Merisalu, Eda; Hiir, Kadi Journal of biomimetics biomaterials and biomedical engineering 2020 / p. 127-135 https://doi.org/10.4028/www.scientific.net/JBBBE.47.127 Journal metrics at Scopus Article at Scopus Journai metrics at WOS Article at WOS

Event-triggered resilient distributed extended Kalman filter with consensus on estimation
Rezaei, Hossein; **Ghorbani, Majid** International Journal of Robust and Nonlinear Control 2022 / p. 1303 - 1315 https://doi.org/10.1002/rnc.5881 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Examination of molecular weight distributions of primary pyrolysis oils from three different oil shales via direct pyrolysis Field Ionization Spectrometry
Oja, Vahur Fuel 2015 / p. 759-765 : ill https://doi.org/10.1016/j.fuel.2015.07.041 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Exhaust air heat pump connection schemes and balanced heat recovery ventilation effect on district heat energy use and return temperature
Thalfeldt, Martin; **Kurnitski, Jarek**; **Latõšov, Eduard** Applied thermal engineering 2018 / p. 402-414 : ill https://doi.org/10.1016/j.applthermaleng.2017.09.033 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Experimental analysis of emission efficiency of parallel and serial connected radiators in EN442 test chamber
Võsa, Karl-Villem; **Ferrantelli, Andrea**; **Kull, Tuule Mall**; **Kurnitski, Jarek** Applied thermal engineering 2018 / p. 531−544 : ill https://doi.org/10.1016/j.applthermaleng.2017.12.109 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 analysis of the combustion characteristics of Estonian oil shale in air and oxy-fuel atmospheres
Loo, Lauri; **Maaten, Birgit**; **Siirde, Andres**; **Pihu, Tõnu**; **Konist, Alar** Fuel processing technology 2015 / p. 317-324 : ill https://doi.org/10.1016/j.fuproc.2014.12.051 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Experimental and modeling studies of intermediate pyrolysis of wood in a laboratory-scale continuous feed retort reactor
Ochieng, Richard; **Ceron, Alejandro Lyons**; **Konist, Alar**; Sarker, Shilpu Bioresource technology reports 2023 / art. 101650 https://doi.org/10.1016/j.biteb.2023.101650 Journal metrics at Scopus Article at Scopus Article at WOS

Experimental evaluation of IDA ICE and COMSOL models for an asymmetric borehole thermal energy storage field in Nordic climate
Xue, Tianchen; **Jokisalo, Juha**; **Kosonen, Risto**; Vuolle, Mika; Marongiu, Federica; Vallin, Sami; Leppäharju, Nina; Arola, Teppo Applied thermal engineering 2022 / art. 119261, 15 p. : ill https://doi.org/10.1016/j.applthermaleng.2022.119261 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Experimental mechanics analysis of recycled polypropylene-cotton composites for commercial applications
Hussain, Abrar; **Goljandin, Dmitri**; **Podgurski, Vitali**; Abbas, Muhammad Mujtaba; **Krasnou, Illia** Advanced industrial and engineering polymer research 2023 / p. 226-238 : ill https://doi.org/10.1016/j.aiepr.2022.11.001 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Experimental study of uni- and bi-directional exchange flows in a large scale rotating trapezoidal channel
De Falco, Maria Chiara; Adduce, Claudia; Cuthbertson, Alan; Negretti, Maria Eletta; **Laanearu, Janek**; Malcangio, Daniela; Sommeria, Joel Physics of Fluids 2021 / art. 036602, 17 p. : ill https://doi.org/10.1063/5.0039251 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Extraction of bioactive compounds from Catharanthus roseus and Vinca minor
Koel, Mihkel; **Kuhtinskaja, Maria**; **Vaher, Merike** Separation and purification technology 2020 / art. 117438 ; 5 p. : ill https://doi.org/10.1016/j.seppur.2020.117438 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Extraction of water-soluble phenols from shale-chemical process water
Smirnova, A. A.; **Grigorieva, Larisa**; Ostroukhov, N. N. Solid fuel chemistry 2016 / p. 371-375 : ill https://doi.org/10.3103/S0361521916060100 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Faster magic angle spinning reveals cellulose conformations in woods
Yuan, Eric Chung-Yueh; Huang, Shing-Jong; Huang, Hung-Chia; Sinkkonen, Jari; **Oss, Andres**; **Org, Mai-Liis**; **Samoson, Ago**; Tai,

Hwan-Ching; Chan, Jerry Chun Chung Chemical communications 2021 / p. 4110−4113 https://doi.org/10.1039/D1CC01149A Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Feasibility of thermal energy storage integration into biomass CHP-based district heating system
Volkova, Anna; **Latõšov, Eduard**; **Andrijaškin, Maksim**; **Siirde, Andres** Chemical engineering transactions 2018 / p. 499-504 : ill https://doi.org/10.3303/CET1870084 Journal metrics at Scopus Article at Scopus

A fish perspective : detecting flow features while moving using an artificial lateral line in steady and unsteady flow
Chambers, Lily D.; **Ježov, Jaas**; **Kruusmaa, Maarja** Journal of the Royal Society Interface 2014 / p. 1-13 : ill https://doi.org/10.1098/rsif.2014.0467 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

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

Formation of [4Fe-4S] clusters in the mitochondrial iron−sulfur cluster assembly machinery
Brancaccio, Diego; **Zovo, Kairit**; **Palumaa, Peep** Journal of the American Chemical Society 2014 / p. 16240-16250 : ill https://doi.org/10.1021/ja507822j Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

4.9 % efficient Sb2S3 solar cells from semi-transparent absorbers with fluorene-based thiophene terminated hole conductors
Mandati, Sreekanth; **Juneja, Nimish**; **Katerski, Atanas**; Jegorove, Aiste; Grzibovskis, Raitis; Vembris, Aivars; **Dedova, Tatjana**; **Spalatu, Nicolae**; Magomedov, Artiom; Karazhanov, Smagul; Getautis, Vytautas; **Krunks, Malle**; **Oja Acik, Ilona** ACS Applied Energy Materials 2023 / p. 3822–3833 https://doi.org/10.1021/acsaem.2c04097 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Free cooling potential of an airside economizer in Estonia
Palmiste, Ülar; **Voll, Hendrik** Science and technology for the built environment 2016 / p. 951-959 : ill https://doi.org/10.1080/23744731.2016.1195661 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

Fused hybrid linkers for metal–organic framework-derived bifunctional oxygen electrocatalysts
Ping, Kefeng; Braschinsky, Alan; **Alam, Mahboob**; **Bhadoria, Rohit**; **Mikli, Valdek**; **Mere, Arvo**; Aruväli, Jaan; Paiste, Päärn; Vlassov, Sergei; Kook, Mati; Rähn, Mihkel; Sammelselg, Väino; Tammeveski, Kaido; Kongi, Nadežda; **Starkov, Pavel** ACS Applied Energy Materials 2020 / p. 152–157 : ill https://doi.org/10.1021/acsaem.9b02039 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Gas-phase photocatalytic degradation of acetone and toluene, and their mixture in the presence of ozone in continuous multi-section reactor as possible air post-treatment for exhaust from pulsed corona discharge
Kask, Maarja; **Bolobajev, Juri**; **Kritševskaja, Marina** Chemical engineering journal 2020 / art. 125815, 9 p. : ill https://doi.org/10.1016/j.cej.2020.125815 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Gas-phase photocatalytic oxidation of refractory VOCs mixtures : through the net of process limitations
Kritševskaja, Marina; Preis, Sergei; Moiseev, Anna; **Pronina, Natalja**; Deubener, Joachim Catalysis today 2017 / p. 93-98 : ill https://doi.org/10.1016/j.cattod.2016.03.041 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Growth rate of solar thermal systems in Baltic States : slow but steady wins the race?
Valančius, Rokas; Borodinecs, Anatolijs; **Kalamees, Targo**; Fokaides, Paris; Jurelionis, Andrius; Jonynas, Rolandas Energy Sources, Part B: Economics, Planning and Policy 2020 / p. 423 - 435 https://doi.org/10.1080/15567249.2020.1813844 Journal metrics at Scopus Article at Scopus Journal metrics at WOS 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

Hemodialysis optical monitoring toward greener technology : a potential for water saving dialysis treatment
Leis, Liisi; **Adoberg, Annika**; **Paats, Joosep**; **Holmar, Jana**; **Arund, Jürgen**; **Karai, Deniss**; **Luman, Merike**; **Pilt, Kristjan**; **Taklaja, Paul**; **Tanner, Risto**; **Fridolin, Ivo** 19th Nordic-Baltic Conference on Biomedical Engineering and Medical Physics : Proceedings of NBC 2023, June 12–14, 2023, Liepaja, Latvia 2023 / p. 162 - 171 https://doi.org/10.1007/978-3-031-37132-5_21 Conference Proceedings 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

Highly active wood-derived nitrogen-doped carbon catalyst for the oxygen reduction reaction
Kaare, Kätlin; Yu, Eric; Volperts, Aleksandrs; Dobele, Galina; Zhurinsh, Aivars; Dyck, Alexaner; Niaura, Gediminas; Tamasauskaite-Tamasiunaite, Loreta; Norkus, Eugenijus; Andrulevičius, Mindaugas; **Danilson, Mati**; Kruusenberg, Ivar ACS omega 2020 / p. 23578-23587 : ill https://doi.org/10.1021/acsomega.0c01974 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 Estefanía; 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

How to balance the yield and protein content of air-classified pulse flour : the influence of the restriction valve
De Angelisa, Davide; Kaleda, Aleksei; Pasqualone, Antonella; **Vaikma, Helen**; Squeo, Giacomo; Caponio, Francesco; Summo, Carmine Chemical engineering transactions 2021 / p. 241-246 https://doi.org/10.3303/CET2187041 Journal metrics at Scopus Article at Scopus

Hybrid graphene-ceramic nanofibre network for spontaneous neural differentiation of stem cells
Kazantseva, Jekaterina; **Hussainova, Irina**; **Ivanov, Roman**; Neumann, Toomas; Gasik, Michael Interface focus 2018 / 6 p. : ill https://doi.org/10.1098/rsfs.2017.0037 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Hybrid thermal model of a synchronous reluctance machine
Shams Ghahfarokhi, Payam; **Kallaste, Ants**; **Belahcen, Anouar**; **Vaimann, Toomas**; **Rassõlkin, Anton** Case studies in thermal engineering 2018 / p. 381-389 : ill https://doi.org/10.1016/j.csite.2018.05.007 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

Hydrogen solubility of shale oil containing polar phenolic compounds
Baird, Zachariah Steven; Uusi-Kyyny, Petri; **Oja, Vahur**; Alopaeus, Ville Industrial and engineering chemistry research 2017 / p. 8738-8747 : ill https://doi.org/10.1021/acs.iecr.7b00966 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Hydroxamic acids as PARP-1 inhibitors : molecular design and anticancer activity of novel phenanthridinones
Bondar, Denys; **Bragina, Olga**; Lee, Ji Young; Semenyuta, Ivan; **Järving, Ivan**; Brovarets, Volodymyr; Wipf, Peter; Bahar, Ivet; **Karpichev, Yevgen** Helvetica chimica acta 2023 / art. e202300133, 26 p. : ill https://doi.org/10.1002/hlca.202300133 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

Immunodetection of Streptococcus uberis pathogen in raw milk
Mihklepp, Kaisa; **Kivirand, Kairi**; Juronen, Delia; **Lõokene, Aivar**; Rinken, Toonika Enzyme and microbial technology 2019 / art. 109360, 6 p. : ill https://doi.org/10.1016/j.enzmictec.2019.109360 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Impact of ball-milling of carbide-derived carbons on the generation of hydrogen peroxide via electroreduction of oxygen in alkaline media
Palm, Iris; Kibena-Põldsepp, Elo; Lilloja, Jaana; **Paiste, Päärn** Journal of electroanalytical chemistry 2020 / art. 114690 https://doi.org/10.1016/j.jelechem.2020.114690 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

Importance of the micro-lattice structure of selective laser melting processed Mo/Mo(x)S(x+1) composite: Corrosion studies on the electrochemical performance in aqueous solutions
Alinejadian, Navid; Kazemi, Sayed Habib; **Grossberg-Kuusk, Maarja**; **Kollo, Lauri**; Odnevall, Inger Charlotta; **Prashanth, Konda Gokuldoss** Materials today chemistry 2022 / art. 101219 https://doi.org/10.1016/j.mtchem.2022.101219 Journal metrics at Scopus Article at Scopus Journalmetrics at WOS Article at WOS

Improvement in iron activation ability of alachlor Fenton-like oxidation by ascorbic acid
Bolobajev, Juri; **Trapido, Marina**; **Goi, Anna** Chemical engineering journal 2015 / p. 566-574 : ill https://doi.org/10.1016/j.cej.2015.06.115 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Influence of acute mental stress on the forehead photoplethysmographic signal waveform
Pilt, Kristjan; **Karai, Deniss**; **Bachmann, Maie**; **Gavriljuk, Marietta**; **Fridolin, Ivo** 19th Nordic-Baltic conference on biomedical engineering and medical physics : proceedings of NBC 2023, June 12-14, 2023, Liepaja, Latvia 2023 / p. 181 - 188 https://doi.org/10.1007/978-3-031-37132-5_23 Conference Proceedings at Scopus Article at Scopus

Influence of biosurfactant on combined chemical–biological treatment of PCB-contaminated soil
Viisimaa, Marika; Karpenko, Oleksandr; Novikov, Volodymyr; **Trapido, Marina**; **Goi, Anna** Chemical engineering journal 2013 / p. 352-359 : ill https://doi.org/10.1016/j.cej.2013.01.041 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Influence of birch false heartwood on the physical and mechanical properties of wood-plastic composites
Kallakas, Heikko; **Ayansola, Gbenga**; **Tumanov, Tanel**; **Goljandin, Dmitri**; **Poltimäe, Triinu**; **Krumme, Andres**; **Kers, Jaan** Bioresources 2019 / p. 3554-3566 : ill https://doi.org/10.15376/biores.14.2.3554-3566 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Influence of nozzle geometry on fluid flow parameters
Penkov, Igor; **Aleksandrov, Dmitri** International journal of applied mechanics and engineering 2020 / p. 215-222 : ill https://doi.org/10.2478/ijame-2020-0060 Journal metrics at Scopus Article at Scopus

Influence of oxy-fuel combustion of Ca-rich oil shale fuel on carbonate stability and ash composition
Konist, Alar; **Valtsev, Aleksandr**; **Loo, Lauri**; **Pihu, Tõnu**; Liira, Martin; Kirsimäe, Kalle Fuel 2015 / p. 671-677 : ill https://doi.org/10.1016/j.fuel.2014.09.050 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Influence of selenous acid microadditive on electrochemical formation of CdS thin films
Maricheva, Jelena; **Bereznev, Sergei**; **Maticiuc, Natalia**; **Volobujeva, Olga**; **Kois, Julia** Electrochimica acta 2017 / p. 280-286 : ill https://doi.org/10.1016/j.electacta.2017.05.035 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

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

Insight into the mechanism and stereochemistry of the transformations of alkyltitanium ate-complexes. An enhanced enantioselectivity in the cyclopropanation of the carboxylic esters with titanacyclopropane reagents
Kulinkovich, Oleg G.; Kananovich, Dzmitry G.; **Lopp, Margus**; Snieckus, Victor Advanced synthesis and catalysis 2014 / p. 3615-

3626 : ill https://doi.org/10.1002/adsc.201400480 Journal metrics at Scopus Article at Scopus Journal metrics at WOS 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

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 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

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

Introducing interlayer electrolytes : toward room-temperature high-potential solid-state rechargeable fluoride ion batteries
Mohammad, Irshad; **Witter, Raiker**; **Fichtner, Maximilian**; **Reddy, M. Anji** ACS Applied Energy Materials 2019 / p. 1553–1562 : ill https://doi.org/10.1021/acsaem.8b02166 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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 different free image analysis software for high-throughput droplet detection
Sanka, Immanuel; **Bartkova, Simona**; **Pata, Pille**; **Smolander, Olli-Pekka**; **Scheler, Ott** ACS omega 2021 / p. 22625-22634 : ill https://doi.org/10.1021/acsomega.1c02664 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Investigation of fouling and corrosion of low-temperature reheater in a CFBC boiler
Konist, Alar Fuel 2023 / art. 127373, 8 p. : ill https://doi.org/10.1016/j.fuel.2022.127373 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Investigation of mechanical and physicochemical properties of clinically retrieved titanium-niobium orthodontic archwires
Stoyanova-Ivanova, Angelina; Cherneva, Sabina; Petrunov, Vladimir; Petrova, Violeta; Ilievska, Ivana; **Mikli, Valdek**; Iankov, Roumen Acta of bioengineering and biomechanics 2020 / p. 31−39 https://doi.org/10.37190/ABB-01486-2019-03 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Investigation of photoplethysmographic signal augmentation index estimation differences between fingers
Pilt, Kristjan; **Silluta, Sandra**; **Kööts, Kristina**; **Karai, Deniss**; **Meigas, Kalju**; **Viigimaa, Margus** EMBEC & NBC 2017 : joint conference of the European Medical and Biological Engineering Conference (EMBEC) and the Nordic-Baltic Conference on Biomedical Engineering and Medical Physics (NBC), Tampere, Finland, June 2017 2018 / p. 819-822 : ill https://doi.org/10.1007/978-981-10-5122-7_205 Conference proceedings at Scopus Article at Scopus Article at WOS

Ionic liquid based pretreatment of lignocellulosic biomass for enhanced bioconversion
Usmani, Zeba; Sharma, Minaxi; Gupta, Pratishtha; **Karpichev, Yevgen**; **Gathergood, Nicholas**; Bhat, Rajeev; **Gupta, Vijai Kumar** Bioresource technology 2020 / art. 123003, 13 p https://doi.org/10.1016/j.biortech.2020.123003 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Kinetic resolution of epoxy alcohols with the Sharpless Ti-isopropoxide/tartaric ester complex
Maljutenko, Karolin; **Paju, Anne**; **Järving, Ivar**; Pehk, Tõnis; **Lopp, Margus** Tetrahedron : asymmetry 2016 / p. 608-613 : ill https://doi.org/10.1016/j.tetasy.2016.05.007 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Kukersite oil shale kerogen solvent swelling in binary mixtures
Hruljova, Jelena; **Savest, Natalja**; **Oja, Vahur**; Suuberg, Eric M. Fuel 2013 / p. 77-82 : ill https://doi.org/10.1016/j.fuel.2012.06.085 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

Li@C60thin films : characterization and nonlinear optical properties
Wolf, Mathias; Toyouchi, Shuichi; **Walke, Peter R.**; Umemoto, Kazuki; Masuhara, Akito; Fukumura, Hiroshi; Takano, Yuta; Yamada, Michio; Hirai, Kenji; Fron, Eduard; Uji-I, Hiroshi RSC Advances 2021 / p. 389 - 394 https://doi.org/10.1039/d1ra08051b Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Lithiation-driven structural transition of VO2F into disordered rock-salt LixVO2F
Chen, Ruiyong; Maawad, Emad; Knapp, Michael; Ren, Shuhua; Beran, Premysl; **Witter, Raiker**; Hempelmann, Rolf RSC advances 2016 / p. 65112-65118 : ill https://doi.org/10.1039/c6ra14276a Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Long wave run-up on plane and "non-reflecting" slopes
Didenkulova, Irina; Pelinovsky, Efim; Rodin, Artem Fluid Dynamics 2018 / p. 402 - 408 https://doi.org/10.1134/S0015462818030072 Journal metrics at Scopus Article at Scopus Article at WOS

Long-term stability of EEG spectral asymmetry index - preliminary study
Uudeberg, Tuuli; **Päeske, Laura**; Põld, Toomas; **Lass, Jaanus**; **Hinrikus, Hiie**; **Bachmann, Maie** XV Mediterranean Conference on Medical and Biological Engineering and Computing - MEDICON 2019 : proceedings of MEDICON 2019, September 26–28, 2019, Coimbra, Portugal 2020 / p. 276-281 https://doi.org/10.1007/978-3-030-31635-8_33 Conference proceeding at Scopus Article at Scopus 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

LXXLL peptide converts transportan 10 to a potent inducer of apoptosis in breast cancer cells
Tints, Kairit; Prink, Madis; Neuman, Toomas; **Palm, Kaia** International journal of molecular sciences 2014 / p. 5680-5698 : ill https://doi.org/10.3390/ijms15045680 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Mandelic acid derived ionic liquids: synthesis, toxicity and biodegradability
Prydderch, Hannah; Haiβ, Annette; Spulak, Marcel; Quilty, Brid; Kümmerer, Klaus; Heise, Andreas; **Gathergood, Nicholas** RSC advances 2017 / p. 2115-2126 : ill https://doi.org/10.1039/c6ra25562k 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

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

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

Mechanism of a microwave-assisted polyol synthesis of nanosize CuInSe2 particles and their optical and photoelectric properties
Grevtsev, A. S.; Goncharenko, I. Yu.; **Bereznev, Sergei** Russian journal of applied chemistry 2014 / p. 671-675 : ill https://doi.org/10.1134/S1070427214060019 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Mechanism of low-level microwave radiation effect on brain : frequency limits
Hinrikus, Hiie; **Bachmann, Maie**; **Lass, Jaanus** EMBEC & NBC 2017 : joint conference of the European Medical and Biological Engineering Conference (EMBEC) and the Nordic-Baltic Conference on Biomedical Engineering and Medical Physics (NBC), Tampere, Finland, June 2017 2018 / p. 647-650 https://doi.org/10.1007/978-981-10-5122-7_162 Conference proceedings at Scopus

Article at Scopus 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 amides with uronium-based coupling reagents : a method for hexa-amidation of biotin[6]uril
Dalidovich, Tatsiana; **Mishra, Kamini Atindrakumar**; **Shalima, Tatsiana**; **Kudrjašova, Marina**; **Kananovich, Dzmitry**; **Aav, Riina** ACS sustainable chemistry & engineering 2020 / p. 15703−15715 : ill https://doi.org/10.1021/acssuschemeng.0c05558 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Mechanochemistry-amended Barbier reaction as an expedient alternative to Grignard synthesis
Varma Nallaparaju, Jagadeesh; **Nikonovich, Tatsiana**; **Jarg, Tatsiana**; **Merzhyievskyi, Danylo**; **Aav, Riina**; **Kananovich, Dzmitry** Angewandte Chemie international edition 2023 / art. e202305775 https://doi.org/10.1002/anie.202305775 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Mercury ion binding to apolipoprotein E variants ApoE2, ApoE3, and ApoE4 : similar binding affinities but different structure induction effects
Berntsson, Elina; **Sardis, Merlin**; **Noormägi, Andra**; **Jarvet, Jüri**; Roos, Per M.; **Tõugu, Vello**; Gräslund, Astrid; Wärmländer, Sebastian K.T.S. ACS omega 2022 / p. 28924-28931 https://doi.org/10.1021/acsomega.2c02254 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Mesophilic co-digestion of dairy manure and lipid rich solid slaughterhouse wastes : process effienciency, limitations and floating granules formation
Pitk, Peep; Palatsi, Jordi; Kaparaju, Prasad; Fernandez, Belen; **Vilu, Raivo** Bioresource technology 2014 / p. 168-177 : ill https://doi.org/10.1016/j.biortech.2014.05.033 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Metal-doped organic aerogels for photocatalytic degradation of trimethoprim
Bolobajev, Juri; **Kask, Maarja**; **Kreek, Kristiina**; **Kulp, Maria**; **Koel, Mihkel**; **Goi, Anna** Chemical engineering journal 2019 / p. 120-128 : ill https://doi.org/10.1016/j.cej.2018.09.127 Tehnikaülikooli teadlaste meetod aitab puhastada reovett antibiootikumijääkidest https://keskkonnatehnika.ee/reovee-puhastamine-kasutades-aerogeele/ Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Metals in ALS TDP-43 pathology
Koski, Lassi; Ronnevi, Cecilia; **Berntsson, Elina**; Wärmländer, Sebastian K. T. S.; Roos, Per M. International Journal of Molecular Sciences 2021 / Art. nr. 12193 https://doi.org/10.3390/ijms222212193 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Methylphosphonic acid as a 31P-NMR standard for the quantitative determination of phosphorus in carbonated beverages
Kõllo, Marek; **Kudrjašova, Marina**; **Kulp, Maria**; **Aav, Riina** Analytical methods 2013 / p. 4005-4009 : ill https://doi.org/10.1039/c3ay40743h Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Microbial engineering biotechnologies : editorial
Singh, Brahma N.; Raghubanshi, Akhilesh S.; Koffas, Mattheos; **Gupta, Vijai Kumar** Biotechnology Advances 2019 / art. 107399, 4 p. : ill https://doi.org/10.1016/j.biotechadv.2019.05.005 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Microfluidic screening of antibiotic susceptibility at a single-cell level shows the inoculum effect of cefotaxime on: E. coli
Postek, Witold; Gargulinski, Pawel; **Scheler, Ott**; Kaminski, Tomasz S.; Garstecki, Piotr Lab on a Chip 2018 / p. 3668 - 3677 https://doi.org/10.1039/c8lc00916c Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Mineral and heavy metal composition of oil shale ash from oxyfuel combustion
Konist, Alar; **Nešumajev, Dmitri**; **Baird, Zachariah Steven**; Anthony, Edward J.; Maasikmets, Marek; **Järvik, Oliver** ACS Omega 2020 / p. 32498–32506 : ill https://doi.org/10.1021/acsomega.0c04466 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

Modeling of the human lower-limb motion, design and control of knee joint orthosis

Musalimov, Victor; Monahov, Yury; **Tamre, Mart**; Rõbak, Dmitri; **Sivitski, Alina**; Aryassov, Gennady; **Penkov, Igor** International review on modelling and simulations (IREMOS) 2017 / p. 371-376 https://doi.org/10.15866/iremos.v10i5.11853 Journal metrics at Scopus Article at Scopus

Modelling and simulation of human lower-limb motion
Žigailov, Sergei; Musalimov, Victor; **Arjassov, Gennadi**; **Penkov, Igor** International review on modelling and simulations (IREMOS) 2016 / p. 114-123 : ill https://doi.org/10.15866/iremos.v9i2.8358 Journal metrics at Scopus Article at Scopus Article at WOS

Modelling of the human knee joint supported by active orthosis
Musalimov, Victor; Monahov, Juri; **Tamre, Mart**; Rõbak, Dmitri; **Sivitski, Alina**; **Arjassov, Gennadi**; **Penkov, Igor** International journal of applied mechanics and engineering 2018 / p. 107-120 : ill https://doi.org/10.1515/ijame-2018-0007 Journal metrics at Scopus Article at Scopus

Molecular weight distributions and average molecular weights of pyrolysis oils from oil shales : literature data and measurements by size exclusion chromatography (SEC) and atmospheric solids analysis probe mass spectroscopy (ASAP MS) for oils from four different deposits
Järvik, Oliver; **Oja, Vahur** Energy & fuels 2017 / p. 328-339 : ill https://doi.org/10.1021/acs.energyfuels.6b02452 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

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

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

Multiplying steady-state culture in multi-reactor system
Erm, Sten; **Adamberg, Kaarel**; **Vilu, Raivo** Bioprocess and biosystems engineering 2014 / p. 2361-2370 : ill https://doi.org/10.1007/s00449-014-1214-5 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

Musculoskeletal disorders caused by the static posture of office and garment workers
Pille, Viive; **Reinhold, Karin**; **Tint, Piia**; **Hartšenko, Jelena** International journal of biology and biomedical engineering 2016 / p. 191-201 : ill https://www.naun.org/main/NAUN/bio/2016/a442010-067.pdf Journal metrics at Scopus Article at Scopus

Mutual Lewis acid–base interactions of cations and anions in ionic liquids
Holzweber, Markus; **Koel, Mihkel** Chemistry : a European journal 2013 / p. 288-293 : ill https://doi.org/10.1002/chem.201201978 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Nanoengineered cellulosic biohydrogen production via dark fermentation : A novel approach
Srivastava, Neha; Srivastava, Manish; Malhotra, Bansi D.; **Gupta, Vijai Kumar** Biotechnology Advances 2019 / art. 107384, 13 p. : ill https://doi.org/10.1016/j.biotechadv.2019.04.006 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

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

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

Nickel and nitrogen-doped bifunctional ORR and HER electrocatalysts derived from CO2
Remmel, Anna-Liis; Ratso, Sander; Divitini, Giorgio; **Danilson, Mati**; **Mikli, Valdek**; **Uibu, Mai**; Aruväli, Jaan; Kruusenberg, Ivar ACS Sustainable Chemistry and Engineering 2022 / p. 134-145 https://doi.org/10.1021/acssuschemeng.1c05250 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-invasive assessment of skin surface proteins of psoriasis vulgaris patients in response to biological therapy
Orro, Kadri; Salk, Kristiina; Merkulova, Anna; Abram, Kristi; Karelson, Maire; Traks, Tanel; Neuman, Toomas; Spee, Pieter; Kingo, Külli International Journal of Molecular Sciences 2023 / art. 16248 https://doi.org/10.3390/ijms242216248 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

North Italian CCS scenario for the cement industry
Šogenova, Alla; **Šogenov, Kazbulat**; Mariani, Martina; Gastaldi, Daniela; Pellegrino, Guido Chemical engineering transactions 2022 / p. 115-120 : ill https://doi.org/10.3303/CET2296020 Journal metrics at Scopus Article at Scopus

Novel analogues of the Chikungunya virus protease inhibitor: molecular design, synthesis, and biological evaluation
Ivanova, Larisa; Rausalu, Kai; **Ošeka, Maksim**; **Kananovich, Dzmitry**; Žusinaite, Eva; Tammiku-Taul, Jaana; **Lopp, Margus**; Merits, Andres; Karelson, Mati ACS omega 2021 / p. 10884–10896 https://doi.org/10.1021/acsomega.1c00625 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

A novel bisphosphonate-based solid phase method for effective removal of chromium(III) from aqueous solutions and tannery effluents
Alanne, Aino-Liisa; Tuikka, Matti; **Tõnsuaadu, Kaia** RSC advances 2013 / p. 14132-14138 : ill https://doi.org/10.1039/C3RA41501E 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

A novel strategy to enhance biohydrogen production using graphene oxidetreated thermostable crude cellulase and sugarcane bagasse hydrolyzateunder co-culture system
Srivastava, Neha; Srivastava, Manish; **Gupta, Vijai Kumar** Bioresource technology 2018 / p. 337-345 : ill https://doi.org/10.1016/j.biortech.2018.09.038 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

NOx and N2O emissions from Ca-rich fuel conversion in oxyfuel circulating fluidized bed combustion
Baqain, Mais Hanna Suleiman; **Nešumajev, Dmitri**; **Konist, Alar** Thermal science and engineering progress 2023 / art. 101938 https://doi.org/10.1016/j.tsep.2023.101938 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 microstructure on heat conduction in solids
Berezovski, Arkadi International journal of heat and mass transfer 2016 / p. 516-520 https://doi.org/10.1016/j.ijheatmasstransfer.2016.07.085 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at

WOS

Online urea concentration estimation from spent dialysate using optical sensor
Pilt, Kristjan; **Arund, Jürgen**; Adoberg, Annika; Leis, Liisi; Luman, Merike; **Fridolin, Ivo** XV Mediterranean Conference on Medical and Biological Engineering and Computing - MEDICON 2019 : proceedings of MEDICON 2019, September 26–28, 2019, Coimbra, Portugal 2020 / p. 1459-1464 https://doi.org/10.1007/978-3-030-31635-8_180 Conference proceedings at Scopus Article at Scopus Article at WOS

Online uric acid concentration estimation in blood from spent dialysate measurements using an optical sensor
Paats, Joosep; **Arund, Jürgen**; **Pilt, Kristjan**; Adoberg, Annika; **Leis, Liisi**; Luman, Merike; **Holmar, Jana**; **Tanner, Risto**; **Fridolin, Ivo** 9th European Medical and Biological Engineering Conference : Proceedings of EMBEC 2024 ; Volume 2 2024 / p. 178 - 187 https://doi.org/10.1007/978-3-031-61628-0_20 Conference Proceedings at Scopus Article at Scopus 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

Optimization of La0.2Sr0.7- xCa xTi0.95Fe0.05O3-δfuel electrode stoichiometry for solid oxide fuel-cell application
Paydar, Sara; Kooser, Kuno; Möller, Priit; **Volobujeva, Olga**; Granroth, Sari; Lust, Enn; Nurk, Gunnar ACS Applied Energy Materials 2022 / p. 10119 - 10129 https://doi.org/10.1021/acsaem.2c01808 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

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

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

Organic nanoparticle-based combinatory approaches for gene therapy
Singh, Brahma N.; Prateeksha; **Gupta, Vijai Kumar**; Chen, Jieyin; Atanasov, Atanas G. Trends in biotechnology 2017 / p. 1121-1124 https://doi.org/10.1016/j.tibtech.2017.07.010 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 bisphenols A and S by pulsed corona discharge : impacts of process control parameters and oxidation products identification
Tikker, Priit; **Nikitin, Dmitri**; **Preis, Sergei** The chemical engineering journal 2022 / art. 135602 https://doi.org/10.1016/j.cej.2022.135602 Journal metrics at Scopus Article of 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

Oxidation of aqueous p-Nitroaniline by pulsed corona discharge
Jayachandrabal, Balachandramohan; **Tikker, Priit**; **Preis, Sergei** Separation and Purification Technology 2022 / Art. nr. 121473 https://doi.org/10.1016/j.seppur.2022.121473 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Oxidation of aqueous toluene by gas-phase pulsed corona discharge in air-water mixtures followed by photocatalytic exhaust air cleaning
Kask, Maarja; **Kritševskaja, Marina**; **Preis, Sergei**; **Bolobajev, Juri** Catalysts 2021 / art. 549, 11 p. : ill
https://doi.org/10.3390/catal11050549 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

Oxygen reduction on catalysts prepared by pyrolysis of electrospun styrene- acrylonitrile copolymer and multi-walled carbon nanotube composite fibres
Mooste, Marek; Kibena**l**Põldsepp, Elo; Matisen, Leonard; **Vassiljeva, Viktoria**; **Krumme, Andres** Catalysis letters 2018 / p. 1815–1826 : ill https://doi.org/10.1007/s10562-018-2392-6 Journal metrics at scopus Article at Scopus Journal metrics at WOS Article at WOS

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

Particles deposition at horizontal flat plate in turbulent particulate flow
Kartušinski, Aleksander; **Hussainov, Medhat**; Michaelides, Efstathios; **Rudi, Ülo**; **Štšeglov, Igor**; **Tisler, Sergei**; **Krupenski, Igor** The Canadian journal of chemical engineering 2014 / p. 1-12 : ill https://doi.org/10.1002/cjce.21923 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 evaluation of cement mortar and concrete with incorporated micro fillers obtained by collision milling in disintegrator
Bumanis, Girts; Bajare, Diana; **Goljandin, Dmitri** Ceramics-silikáty 2017 / p. 231-243 : ill https://doi.org/10.13168/cs.2017.0021 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

Personal control of privacy and data : Estonian experience
Priisalu, Jaan; **Ottis, Rain** Health and technology 2017 / p. 441-451 https://doi.org/10.1007/s12553-017-0195-1 Journal metrics at Scopus Article at Scopus

Persulfate contribution to photolytic and pulsed corona discharge oxidation of metformin and tramadol in water
Nikitin, Dmitri; **Balpreet Kaur**; **Preis, Sergei**; **Dulova, Niina** Process Safety and Environmental Protection 2022 / p. 22-30
https://doi.org/10.1016/j.psep.2022.07.002 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

Photocatalytic degradation of different VOCs in the gas-phase over TiO2 thin gilms prepared by ultrasonic spray pyrolysis
Dundar, Ibrahim; **Kritševskaja, Marina**; **Katerski, Atanas**; **Krunks, Malle**; **Oja Acik, Ilona** Catalysts 2019 / art. 915 ; 18 p. : ill
https://doi.org/10.3390/catal9110915 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

A photochemical organocatalytic strategy for the α-alkylation of ketones by using radicals
Spinnato, Davide; Schweitzer-Chaput, Bertrand; Goti, Giulio; **Ošeka, Maksim**; Melchiorre, Paolo Angewandte Chemie international Edition 2020 / p. 9485 - 9490 https://doi.org/10.1002/anie.201915814 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Photoredox-catalyzed direct C–H monofluoromethylation of heteroarenes
Ramkumar, Nagarajan; Plantus, Ketrina; Ozola, Melita; Mishnev, Anatoly; Nikolajeva, Vizma; Senkovs, Maris; **Ošeka, Maksim**; Veliks, Janis New journal of chemistry 2023 / p. 20642-20652 https://doi.org/10.1039/D3NJ04313D Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Photoreflectance and photoluminescence study of antimony selenide crystals
Kondrotas, Rokas; Nedzinskas, Ramunas; **Krustok, Jüri**; **Grossberg-Kuusk, Maarja**; Talaikis, Martynas; Tumėnas, Saulius; Suchodolskis, Arturas; Žaltauskas, Raimundas; Sereika, Raimundas ACS Applied Energy Materials 2022 / p. 14769-14778 https://doi.org/10.1021/acsaem.2c02131 Journal metrics at Scopus Article at scopus Journal metrics at WOS Article at Scopus

Physical–mechanical properties and morphology of filled low-density polypropylene: comparative study on calcium carbonate with oil shale and coal ashes
Krasnou, Illia; **Nadeem, Faisal**; **Gregor, Andre**; **Yörük, Can Rüstü**; **Krumme, Andres** Journal of Vinyl and Additive Technology 2022 / p. 94-103 : ill https://doi.org/10.1002/vnl.21869 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

Physics shapes signals in nerves
Engelbrecht, Jüri; **Tamm, Kert**; **Peets, Tanel** The European Physical Journal Plus 2022 / art. 696 https://doi.org/10.1140/epjp/s13360-022-02883-5 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Pilot study for estimating physical fatigue based on heart rate variability and reaction time
Allik, Ardo; **Pilt, Kristjan**; **Viigimäe, Moonika**; **Fridolin, Ivo** XV Mediterranean Conference on Medical and Biological Engineering and Computing -MEDICON 2019 : proceedings of MEDICON 2019, September 26–28, 2019, Coimbra, Portugal 2020 / p. 193-200 https://doi.org/10.1007/978-3-030-31635-8_23 Conference proceeding at Scopus Article at Scopus Article at WOS

Poly(alkanoyl isosorbide methacrylate)s : from amorphous to semicrystalline and liquid crystalline biobased materials
Laanesoo, Siim; Bonjour, Olivier; **Parve, Jaan**; **Parve, Omar**; Matt, Livia; Vares, Lauri; Jannasch, Patric Biomacromolecules 2021 / p. 640-648 https://doi.org/10.1021/acs.biomac.0c01474 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

Power plant ash composition transformations during load cycling [Online resource]
Rummel, Leo; **Nešumajev, Dmitri**; **Konist, Alar** Chemical engineering transactions 2018 / p. 655-660 : ill https://doi.org/10.3303/CET1870110 Journal metrics at Scopus Article at Scopus

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

Prediction of flue gas composition and comparative overall process evaluation for air and oxyfuel combustion of Estonian oil shale, using aspen plus process simulation
Yörük, Can Rüstü; **Trikkel, Andres**; **Kuusik, Rein, keemik** Energy & fuels 2016 / p. 5893-5900 : ill https://doi.org/10.1021/acs.energyfuels.6b00022 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 a surface-grafted protein-selective polymer film by combined use of controlled/living radical photopolymerization and microcontact imprinting
Kidakova, Anna; **Reut, Jekaterina**; Rappich, Jörg; **Öpik, Andres**; **Sõritski, Vitali** Reactive and functional polymers 2018 / p. 47-56 https://doi.org/10.1016/j.reactfunctpolym.2018.02.004 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Preparation of fibril nuclei of beta-amyloid peptides in reverse micelles
Lin, Yen-Ling; Cheng, Yu-Sheng; **Org, Mai-Liis**; **Oss, Andres**; **Samoson, Ago** Chemical communications 2018 / p. 10459–10462 :

ill https://doi.org/10.1039/C8CC05882B Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Process optimization for catalytic oxidation of dibenzothiophene over UiO-66-NH2 by using a response surface methodology
Barghi, Bijan; **Jürisoo, Martin**; Volokhova, Maria; Seinberg, Liis; Reile, Indrek; **Mikli, Valdek**; **Niidu, Allan** ACS omega 2022 / p. 16288-16297 : ill https://doi.org/10.1021/acsomega.1c05965 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Production of a recombinant swollenin from Trichoderma harzianum in Escherichia coli and its potential synergistic role in biomass degradation
Santos, Clelton A.; Ferreira-Filho, Jaire A.; O'Donovan, Anthonia; **Gupta, Vijai Kumar**; Tuohy, Maria G.; Souza, Anete P. Microbial cell factories 2017 / art. 83, 11 p. : ill https://doi.org/10.1186/s12934-017-0697-6 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Production of isotropic coke from shale tar at various parameters of the delayed coking process
Nazarenko, Maxim; Saltykova, Svetlana; Rudko, Viacheslav; **Pihl, Olga** ACS omega 2021 / p. 22173–22179 : ill https://doi.org/10.1021/acsomega.1c02842 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Properties of glass filled polypropylene for fused filament fabrication
Spörk, Martin; **Savandaiah, Chethan**; Arbeiter, Florian; Schuschnigg, Stephan; Holzer, Clemens SPE ANTEC 2017, Anaheim, California, USA, 8-10 May 2017 2017 / p. 105-111 : ill https://www.proceedings.com/content/052/052413webtoc.pdf Conference proceedings at Scopus Article at Scopus

Propolis nanofibers : development and effect against SARS-CoV-2 virus and S. aureus, S. enterica bacteria
Zelca, Zane; **Krumme, Andres**; Kukle, Silvija; **Krasnou, Illia** Materials today chemistry 2023 / art. 101749 https://doi.org/10.1016/j.mtchem.2023.101749 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Quantifying graphitic edge exposure in graphene-based materials and its role in oxygen reduction reactions
Stamatin, Serban; **Hussainova, Irina**; **Ivanov, Roman**; Colavita, Paula E. ASC catalysis 2016 / p. 5215-5221 : ill https://doi.org/10.1021/acscatal.6b00945 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Quantization of the response signal differences for the electrical bioimpedance measurement
Annus, Paul; **Land, Raul**; **Priidel, Eiko**; **Metshein, Margus**; **Min, Mart**; **Märtens, Olev** EMBEC & NBC 2017 : joint conference of the European Medical and Biological Engineering Conference (EMBEC) and the Nordic-Baltic Conference on Biomedical Engineering and Medical Physics (NBC), Tampere, Finland, June 2017 2018 / p. 290-293 : ill https://doi.org/10.1007/978-981-10-5122-7_73 Conference proceedings at Scopus Article at Scopus Article at WOS

Quantitative compositional analysis of Estonian shale oil using comprehensive two dimensional gas chromatography
Ristic, Nenad D.; Djokic, Marko R.; **Konist, Alar**; Van Geem, Kevin M.; Marin, Guy B. Fuel processing technology 2017 / p. 241-249 : ill https://doi.org/10.1016/j.fuproc.2017.07.008 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

A quantitative method for analysis of mixtures of homologues and stereoisomers of hemicucurbiturils that allows us to follow their formation and stability
Fomitšenko, Maria; **Peterson, Anna**; Reile, Indrek; Cong, Hang; **Kaabel, Sandra**; **Prigorchenko, Elena**; **Järving, Ivar**; **Aav, Riina** New journal of chemistry 2017 / p. 2490-2497 : ill https://doi.org/10.1039/C6NJ03050E Journal metics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Reactivity of aliphatic dicarboxylic acids in wet air oxidation conditions
Kaldas, Kristiina; **Preegel, Gert**; **Muldma, Kati**; **Lopp, Margus** Industrial & engineering chemistry research 2019 / p. 10855–10863 : ill https://doi.org/10.1021/acs.iecr.9b01643 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Realizations in feedforward forms of nonlinear input-output equations with time-delays
Kaldmäe, Arvo; Kawano, Yu; **Kotta, Ülle** International journal of robust and nonlinear control 2020 / p. 7560-7573 https://doi.org/10.1002/rnc.5194 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Recent advances in plasmid-based tools for establishing novel microbial chassis
Nora, Luísa Czamanski; Westmann, Cauã Antunes; Guazzaroni, María-Eugenia; Siddaiah, Chandranayaka; **Gupta, Vijai Kumar**; Silva-Rocha, Rafael Biotechnology Advances 2019 / Art. nr. 107433 https://doi.org/10.1016/j.biotechadv.2019.107433 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Reduced state of iridium PCP pincer complexes in electrochemical CO2 hydrogenation
Osadchuk, Irina; **Tamm, Toomas**; Ahlquist, Marten S. G. ACS catalysis 2016 / p. 3834-3839 : ill https://doi.org/10.1021/acscatal.6b01233 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Refinement of a quantitative structure–activity relationship model for prediction of cell-penetrating peptide based transfection systems

Dowaidar, Moataz; Regberg, Jakob; **Dobchev, Dimitar Atanasov**; Lehto, Tõnis; Hällbrink, Mattias; **Karelson, Mati**; Langel, Ülo International journal of peptide research and therapeutics 2017 / p. 91-100 : ill https://doi.org/10.1007/s10989-016-9542-8 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

Relations between metal ion characteristics and adsorption performance of graphene oxide: A comprehensive experimental and theoretical study
Kong, Qiaoping; **Preis, Sergei**; Li, Leli; Luo, Pei; Wei, Cong; Li, Zemin; Hu, Yun; Wei, Chaohai Separation and purification technology 2020 / art. 115956 ; 8 p. : ill https://doi.org/10.1016/j.seppur.2019.115956 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Removal estimation of uremic CVD marker phosphate in dialysis using spectrophoto- and fluorimetrical signals
Holmar, Jana; **Arund, Jürgen**; **Kalle, Sigrid**; **Lauri, Kai**; **Luman, Merike**; **Tanner, Risto**; **Tomson, Ruth**; **Fridolin, Ivo** EMBEC & NBC 2017 : joint conference of the European Medical and Biological Engineering Conference (EMBEC) and the Nordic-Baltic Conference on Biomedical Engineering and Medical Physics (NBC), Tampere, Finland, June 2017 2018 / p. 358-361 : ill https://doi.org/10.1007/978-981-10-5122-7_90 Conference proceedings at Scopus Article at Scopus Article at WOS

Removal of Urea, beta 2-Microglobulin, and Indoxyl Sulfate Assessed by Absorbance and Fluorescence in the Spent Dialysate During Hemodialysis
Lauri, Kai; **Arund, Jürgen**; **Holmar, Jana**; **Tanner, Risto**; **Kalle, Sigrid**; **Luman, Merike**; **Fridolin, Ivo** Asaio journal 2020 / p. 695−705 https://doi.org/10.1097/MAT.0000000000001058 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Removal of vascular calcification inducer phosphate in different dialysis treatment modalities
Holmar, Jana; **Fridolin, Ivo**; **Luman, Merike** World Congress on Medical Physics and Biomedical Engineering 2018 : June 3–8, 2018, Prague, Czech Republic (Vol. 3) 2019 / p. 143-147 https://doi.org/10.1007/978-981-10-9023-3_26 Conference proceeding at Scopus Article at Scopus Article at WOS

Removing the oxide layer in a nanostructured aluminum alloy by local shear deformation between nanoscale phases
Wang, Zhi; **Prashanth, Konda Gokuldoss**; Zhang, W.W. Powder technology 2019 / p. 733-737 : ill https://doi.org/10.1016/j.powtec.2018.11.093 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Reuse of ferric sludge as an iron source for the Fenton-based process in wastewater treatment
Bolobajev, Juri; **Kattel, Eneliis**; **Viisimaa, Marika**; **Goi, Anna**; **Trapido, Marina**; Tenno, Taavo; **Dulova, Niina** Chemical engineering journal 2014 / p. 8-13 : ill https://doi.org/10.1016/j.cej.2014.06.018 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

A review on development of bio-inspired implants using 3D printing
Raheem, Ansheed A.; Hameed, Pearlin; **Prashanth, Konda Gokuldoss**; Manivasagam, Geetha Biomimetics 2021 / art. 65 https://doi.org/10.3390/biomimetics6040065 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

A Review on graphene-based electrospun conductive nanofibers, supercapacitors, Anodes, and cathodes for lithium-ion batteries
Javed, Kashif; **Oolo, Marco**; **Savest, Natalja**; **Krumme, Andres** Critical Reviews in Solid State and Materials Sciences 2019 / p. 427-443 : ill https://doi.org/10.1080/10408436.2018.1492367 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Richard Compton: Thought leader, educator and Bon Viveur
Eklund, John; **Nei, Lembit** Journal of electroanalytical chemistry 2020 / art. 114279, p. 1−3 https://doi.org/10.1016/j.jelechem.2020.114279 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Risk management of magnetic field from industrial induction heater - a case study
Koppel, Tarmo; Vilcane, Inese; **Tint, Piia** Engineering for rural development 2017 / p. 1024-1037 : ill https://doi.org/10.22616/ERDev2017.16.N218 http://tf.llu.lv/conference/proceedings2017/ Conference proceedings at Scopus Article at Scopus 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

Robust fractional order singular Kalman filter
Nosrati, Komeil; **Belikov, Juri**; **Tepljakov, Aleksei**; **Petlenkov, Eduard** International journal of robust and nonlinear control 2024 / p. 602-627 : ill https://doi.org/10.1002/rnc.6990 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

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

The role of paradigms and technical strategies for implementation of the circular economy in the polymer and composite recycling industries
Hussain, Abrar; **Podgurski, Vitali**; **Viljus, Mart**; Awan, Muhammad Rizwan Advanced Industrial and Engineering Polymer Research 2023 / p. 1-12 https://doi.org/10.1016/j.aiepr.2022.10.001 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Safeguarding female reproductive health against endocrine disrupting chemicals-The FREIA project
Duursen, Majorie B.M. van; Boberg, Julie; Christiansen, Sofie; Jääger, Kersti; Salumets, Andres; **Velthut-Meikas, Agne** International journal of molecular sciences 2020 / art. 3215 https://doi.org/10.3390/ijms21093215 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Scalable lipase-catalyzed synthesis of (R)-4-(Acyloxy)pentanoic acids from racemic γ-valerolactone
Parve, Jaan; **Kudrjašova, Marina**; **Shalima, Tatsiana**; **Villo, Ly**; Liblikas, Ilme; Reile, Indrek; Pehk, Tõnis; **Gathergood, Nicholas**; **Aav, Riina**; Vares, Lauri; **Parve, Omar** ACS sustainable chemistry & engineering 2021 / p. 1494−1499 https://doi.org/10.1021/acssuschemeng.0c07918 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Scalar mixtures in porous media
Kree, Mihkel; Villermaux, Emmanuel Physical review fluids 2017 / art. 104502, 12 p. : ill https://doi.org/10.1103/PhysRevFluids.2.104502 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

Selective performance of sol–gel synthesised titanium dioxide photocatalysts in aqueous oxidation of various-type organic pollutants
Klauson, Deniss; **Budarnaja, Olga**; **Stepanova, Kristina**; **Kritševskaja, Marina**; **Dedova, Tatjana**; **Käkinen, Aleksandr**; **Preis, Sergei** Kinetics and catalysis 2014 / p. 47-55 : ill https://doi.org/10.1134/S0023158414010030 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Separation of perfluoroalkyl substances by using nonaqueous capillary electrophoresis with conductivity detection
Lees, Heidi; **Jõul, Piia**; **Siilak, Kristel**; **Vaher, Merike** Separation science plus 2020 / p. 313-320 https://doi.org/10.1002/sscp.202000016 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Serum levels and removal by haemodialysis and haemodiafiltration of tryptophan-derived uremic toxins in ESKD patients
Paats, Joosep; Adoberg, Annika; **Arund, Jürgen**; **Fridolin, Ivo**; Leis, Liisi; **Luman, Merike**; **Pilt, Kristjan**; **Uhlin, Nils Fredrik Arne** International journal of molecular sciences 2020 / art. 1522, 19 p. : ill https://doi.org/10.3390/ijms21041522 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

SET-LRP of bio- and petroleum-sourced methacrylates in aqueous alcoholic mixtures
Moreno, Adrian; Bensabeh, Nabil; **Parve, Jaan**; Ronda, Juan C.; Cádiz, Virginia; Galià, Marina; Vares, Lauri; Lligadas, Gerard; Percec, Virgil Biomacromolecules 2019 / p. 1816 - 1827 https://doi.org/10.1021/acs.biomac.9b00257 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Shielding static magnetic fields from Magnetic Resonance Imaging units by ferromagnetic material
Koppel, Tarmo; **Ross, Peeter**; Vilcane, Inese EMBEC & NBC 2017 : joint conference of the European Medical and Biological Engineering Conference (EMBEC) and the Nordic-Baltic Conference on Biomedical Engineering and Medical Physics (NBC), Tampere, Finland, June 2017 2018 / p. 743-746 : ill https://doi.org/10.1007/978-981-10-5122-7_186 Conference proceedings at Scopus Article at Scopus 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

Shungite-derived graphene as a carbon support for bifunctional oxygen electrocatalysts
Kazimova, Nargiz; **Ping, Kefeng**; **Alam, Mahboob**; **Danilson, Mati**; Merisalu, Maido; Aruväli, Jaan; Paiste, Päärn; Käärik, Maike; **Mikli, Valdek**; Leis, Jaan; Tammeveski, Kaido; **Starkov, Pavel**; Kongi, Nadežda Journal of catalysis 2021 / p. 178−187 https://doi.org/10.1016/j.jcat.2021.01.004 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

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

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

Simultaneous determination of γ-hydroxybutyric acid, ibotenic acid and psilocybin in saliva samples by capillary electrophoresis coupled with a contactless conductivity detector
Saar-Reismaa, Piret; **Kulp, Maria**; **Vaher, Merike**; **Kaljurand, Mihkel**; **Mazina-Šinkar, Jekaterina** Analytical methods 2017 / p. 3128-3133 : ill https://doi.org/10.1039/C7AY00742F 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

Size-control by anion templating in mechanochemical synthesis of hemicucurbiturils in the solid state
Kaabel, Sandra; Stein, Robin S.; **Fomitšenko, Maria**; **Järving, Ivar**; Friščic, Tomislav; **Aav, Riina** Angewandte Chemie international edition 2019 / p. 6230-6234 : ill https://doi.org/10.1002/anie.201813431 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-state NMR of a protein in a precipitated complex with a full-length antibody
Lamley, Jonathan M.; luga, Dinu; Öster, Carl; Sass, Hans-Juergen; Rogowski, Marco; **Oss, Andres**; **Past, Jaan**; **Reinhold, Andres**; Grzesiek, Stephan; **Samoson, Ago**; Lewandowski, Jozef R. Journal of the American Chemical Society 2014 / p. 16800-16806 : ill https://doi.org/10.1021/ja5069992 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

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

Sonolytic degradation of chlorophene enhanced by Fenton-mediated oxidation and H•-scavenging effect
Bolobajev, Juri; **Goi, Anna** Chemical engineering journal 2017 / p. 904-914 : ill https://doi.org/10.1016/j.cej.2017.07.043 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

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

Structural investigation of tellurium based thin films
Ivanova, Vladislava; Trifonova, Yordanka; Lilova, Vanya; **Mikli, Valdek**; Stoyanova-Ivanova, Angelina Journal of chemical technology and metallurgy 2018 / p. 749-754 : ill https://journal.uctm.edu/node/j2018-4/17_18-122_p_749-754.pdf Journal metrics at Scopus Article at Scopus

Study of the curing mechanism of metal alkoxide liquid threads for the synthesis of metal oxide fibers or microtubes
Part, Marko; Hanschmidt, Kelli; Jõgi, Jakob; **Rauwel, Erwan**; Seisenbaeva, Gulaim A.; Kessler, Vadim G.; Tätte, Tanel RSC advances 2014 / p. 12545-1255 : ill https://doi.org/10.1039/c3ra47924b Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Substitution of the Methionine Axial Ligand of the T1 copper for the fungal-like Phenylalanine Ligand (M298F) causes local structural perturbations that lead to thermal instability and reduced catalytic efficiency of the small Laccase from Streptomyces coelicolor A3(2)
Zovo, Kairit; **Pupart, Hegne**; Van Wieren, Arie; Gillilan, Richard E.; **Lukk, Tiit** ACS omega 2022 / p. 6184-6194 https://doi.org/10.1021/acsomega.1c06668 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Sugars and sugar derivatives in ionic liquid media obtained from lignocellulosic biomass: Comparison of capillary electrophoresis and chromatographic analysis
Hyvärinen, S.; Mikkola, J.-P.; Murzin, D. Yu.; **Vaher, Merike**; **Kaljurand, Mihkel**; **Koel, Mihkel** Catalysis today 2014 / p. 18-24 : ill https://doi.org/10.1016/j.cattod.2013.08.015 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Sui Generis helicene-based supramolecular chirogenic system : enantioselective sensing, solvent control, and application in chiral group transfer reaction
Hasan, Mohammed; Khose, Vaibhav N.; Mori, Takuzo; **Borovkov, Victor**; Karnik, Anil V. ACS omega 2017 / p. 592-598 : ill https://doi.org/10.1021/acsomega.6b00522 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

Supramolecular chirogenesis in a sterically hindered porphyrin: a critical theoretical analysis
Osadchuk, Irina; **Luts, Hanna-Eliisa**; Norvaiša, Karolis; **Borovkov, Victor**; Senge, Mathias O. Chemistry : a European journal 2023 / art. e202302275 https://doi.org/10.1002/chem.202302275 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Supramolecular chirogenesis in zinc porphyrins by enantiopure hemicucurbit[n]urils (n = 6, 8)

Ustrnul, Lukas; **Kaabel, Sandra**; Burankova, Tatsiana; **Martõnova, Jevgenia**; **Konrad, Nele**; **Borovkov, Victor**; **Aav, Riina** Chemical communications 2019 / p. 14434-14437 : ill https://doi.org/10.1039/c9cc07150d Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

Surface area of oil shale and its solid pyrolysis products depending on the particle size
Pikkor, Heliis; **Maaten, Birgit**; **Baird, Zachariah Steven**; **Järvik, Oliver**; **Konist, Alar**; **Lees, Heidi** Chemical engineering transactions 2020 / p. 961−966 https://doi.org/0.3303/CET2081161 Journal metrics at Scopus Article at Scopus

Surface characterisation of Estonian oil shale semi-coke
Pikkor, Heliis; **Lees, Heidi**; **Maaten, Birgit**; **Järvik, Oliver**; **Konist, Alar** Chemical engineering transactions 2020 / p. 853-858 : ill https://doi.org/0.3303/CET2081143 Journal metrics at Scopus Article at Scopus

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 antibacterial properties of novel quaternary ammonium lignins
Mohan, Mahendra Kothottil; Kaur, Harleen; Rosenberg, Merilin; **Duvanova, Ella**; **Lukk, Tiit**; Ivask, Angela; **Karpichev, Yevgen** ACS omega 2024 / p. 39134-39145 : ill https://doi.org/10.1021/acsomega.4c06000 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Synthesis and characterisation of chiral triazole-based halogen-bond donors: halogen bonds in the solid state and in solution
Kaasik, Mikk; **Kaabel, Sandra**; **Kriis, Kadri**; **Järving, Ivar**; **Aav, Riina**; Rissanen, Kari; **Kanger, Tõnis** Chemistry - a European journal 2017 / p. 7337-7344 : ill https://doi.org/10.1002/chem.201700618 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Synthesis and characterization of cobalt and nitrogen co-doped peat-derived carbon catalysts for oxygen reduction in acidic media
Jäger, Rutha; Teppor, Patrick; Paalo, Maarja; Härmas, Meelis; Adamson, Anu; **Volobujeva, Olga**; Härk, Eneli; Kochovski, Zdravko; Romann, Tavo; Härmas, Riinu; Aruväli, Jaan; Kikas, Arvo; Lust, Enn Catalysts 2021 / art. 715 https://doi.org/10.3390/catal11060715 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

Synthesis and hydrodynamic and conformation properties of star-shaped polystyrene with calix[8]arene core Simonova, Maria; **Tarasova, Elvira**; Dudkina, Marina International journal of polymer analysis and characterization 2019 / p. 87-95 : ill https://doi.org/10.1080/1023666X.2018.1555894 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Synthesis and quantitative analysis of diastereomeric linked ester conjugates with remote stereocenters using high field NMR and chiral HPLC
Doyle, Eva; Parve, Jaan; **Kudrjašova, Marina**; **Tamp, Sven**; **Müürisepp, Aleksander-Mati**; **Villo, Ly**; Vares, Lauri; **Pehk, Tõnis**; **Parve, Omar** Chirality 2013 / p. 793-798 : ill https://doi.org/10.1002/chir.22217 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Synthesis of chiral triazole-based halogen bond donors
Kaasik, Mikk; **Kaabel, Sandra**; **Kriis, Kadri**; **Järving, Ivar**; **Kanger, Tõnis** Synthesis 2019 / p. 2128-2135 : ill https://doi.org/10.1055/s-0037-1610864 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Synthesis of cyclic 3-aryl-substituted 1,2-dicarbonyl compounds via Suzuki cross-coupling reactions
Lopušanskaja, Eleana; **Paju, Anne**; **Järving, Ivar**; **Lopp, Margus** Synthesis 2018 / p. 1883-1890 : ill https://doi.org/10.1055/s-0036-1591543 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Synthesis of solid resorcinol–formaldehyde resin modified with styrene with the use of a shale phenol fraction with a boiling temperature higher than 270°C
Jurkeviciute, Ana; **Grigorieva, Larisa**; Vassiljev, Vassili Solid fuel chemistry 2016 / p. 64–68 https://doi.org/10.3103/S0361521916010122 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Synthesis of ternary GNP-CNT-ZrO2 nanocomposite as a high-performance anode for lithium-ion batteries
Imanian Ghazanlou, Siavash; Imanian Ghazanlou, Siamak; Imanian Ghazanlou, Sroush; Mohammadpour, Naghmeh; **Hussainova, Irina** Journal of industrial and engineering chemistry 2023 / p. 209-221 : ill https://doi.org/10.1016/j.jiec.2023.07.050 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Synthesis, in silico and in vitro evaluation of novel oxazolopyrimidines as promising anticancer agents
Velihina, Yevheniia; Scattolin, Thomas; **Bondar, Denys** Helvetica chimica acta 2020 / art. e2000169, 14 p. : ill https://doi.org/10.1002/hlca.202000169 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Synthetic biology in Indonesia: Potential and projection in a country with mega biodiversity
Sanka, Immanuel; Kusuma, Ali Budhi; Martha, Faustina; Hendrawan, Andre; Pramanda, Ihsan Tria; Wicaksono, Adhityo; Jati, Afif Pranaya; Mazaya, Maulida; Dwijayanti, Ari; Izzati, Nurul Biotechnology Notes 2023 / p. 41-48 : ill https://doi.org/10.1016/j.biotno.2023.02.002 Journal metrics at Scopus Article at Scopus

System vibration control using linear quadratic regulator
Abdelrahman, Mostafa; **Arjassov, Gennadi**; **Tamre, Mart**; **Penkov, Igor** International journal of applied mechanics and engineering 2022 / p. 1-8 https://doi.org/10.2478/ijame-2022-0031 Journal metrics at Scopus Article at Scopus

Zero valent boron activated ozonation for ultra-fast degradation of organic pollutants : atomic orbital matching, oxygen spillover and intra-electron transfer
Zhang, Fengzhen; Kong, Qiaoping; **Preis, Sergei** The chemical engineering journal 2022 / art. 134674 https://doi.org/10.1016/j.cej.2022.134674 Journal metrics at Scopus Article at Scopus Journal metrics at WOS 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

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

Temperature and pressure dependence of density of a shale oil and derived thermodynamic properties
Baird, Zachariah Steven; Uusi-Kyyny, Petri; Järvik, Oliver; **Oja, Vahur**; Alopaeus, Ville Industrial & engineering chemistry research 2018 / p. 5128-5135 https://doi.org/10.1021/acs.iecr.7b05018 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Template synthesis of titanium dioxide coatings and determination of their photocatalytic activity by aqueous oxidation of humic acid
Budarnaja, Olga; **Klauson, Deniss**; **Dedova, Tatjana**; **Kärber, Erki**; **Viljus, Mart**; **Preis, Sergei** Kinetics and catalysis 2014 / p. 688-694 : ill https://doi.org/10.1134/S0023158414050036 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

The 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 impact of alternative heat supply options on CO2 emission and district heating system
Mašatin, Vladislav; **Link, Siim**; **Siirde, Andres** Chemical engineering transactions 2014 / p. 1105-1110 : ill https://doi.org/10.3303/CET1439185 Journal metrics at Scopus Article at Scopus Article at WOS

The new dimensioning method of the district heating network
Kõiv, Teet-Andrus; **Mikola, Alo**; **Palmiste, Ülar** Applied thermal engineering 2014 / p. 78-82 : ill https://doi.org/10.1016/j.applthermaleng.2014.05.087 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

The role of initial oligomers in amyloid fibril formation by human stefin B
Taler-Verčič, Ajda; **Kirsipuu, Tiina**; **Friedemann, Merlin**; **Noormägi, Andra**; **Smirnova, Julia**; **Palumaa, Peep** International journal of molecular sciences 2013 / p. 18362-18384 : ill https://doi.org/10.3390/ijms140918362 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

Thermodynamic and kinetic study of CaS in aqueous systems
Tamm, Kadriann; **Uibu, Mai**; **Kallas, Juha**; **Kallaste, Priit**; **Velts-Jänes, Olga**; **Kuusik, Rein, keemik** Fuel processing technology 2016 / p. 242-249 : ill https://doi.org/10.1016/j.fuproc.2015.10.029 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

A thermomechanical explanation for the topology of crack patterns observed on the surface of charred wood and particle fibreboard
Baroudi, Djebar; **Ferrantelli, Andrea**; Li, Kai Yuan; Hostikka, Simo Combustion and flame 2017 / p. 206-215 : ill https://doi.org/10.1016/j.combustflame.2017.04.017 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Thermomyces lanuginosus lipase with closed lid catalyzes elimination of acetic acid from 11-acetyl-prostaglandin E2
Villo, Ly; **Metsala, Andrus**; **Tamp, Sven**; Parve, Jaan; Vallikivi, Imre; **Järving, Ivar**; **Nigulas, Samel**; **Lille, Ülo**; **Pehk, Tõnis**; **Parve, Omar** ChemCatChem 2014 / p. 1998-2010 : ill https://doi.org/10.1002/cctc.201400019 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Thickness effect on photocatalytic activity of TiO2 thin films fabricated by ultrasonic spray pyrolysis
Dundar, Ibrahim; **Mere, Arvo**; **Mikli, Valdek**; **Krunks, Malle**; **Oja Acik, Ilona** Catalysts 2020 / art. 1058 https://doi.org/10.3390/catal10091058 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

3-Chlorooxindoles : versatile starting materials for asymmetric organocatalytic synthesis of spirooxindoles
Noole, Artur; **Ošeka, Maksim**; **Pehk, Tõnis**; **Öeren, Mario**; **Järving, Ivar**; Elsegood, Mark R. J.; Malkov, Andrei; **Lopp, Margus**; **Kanger, Tõnis** Advanced synthesis and catalysis 2013 / p. 829-835 : ill Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

TiCN coating tribology for the circular economy of textile industries
Hussain, Abrar; **Podgurski, Vitali**; **Antonov, Maksim**; **Viljus, Mart**; **Goljandin, Dmitri** Journal of industrial textiles 2022 / p. 8947S-8959S https://doi.org/10.1177%2F15280837211025726 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 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 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

Toxicity of antimony, copper, cobalt, manganese, titanium and zinc oxide nanoparticles for the alveolar and intestinal epithelial barrier cells in vitro
Titma, Tiina; Shimmo, Ruth; Siigur, Jüri; Kahru, Anne Cytotechnology 2016 / p. 2363-2377 : ill https://doi.org/10.1007/s10616-016-0032-9 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

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

Transition-metal- and nitrogen-doped carbide-derived carbon/carbon nanotube composites as cathode catalysts for anion-exchange membrane fuel cells
Lilloja, Jaana; Kibena-Põldsepp, Elo; Sarapuu, Ave; Douglin, John C.; Käärik, Maike; Kozlova, Jekaterina; **Paiste, Päärn**; Kikas, Arvo; Aruväli, Jaan; Leis, Jaan ACS catalysis 2021 / p. 1920-1931 https://doi.org/10.1021/acscatal.0c03511 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Transparent TiO2 thin films with high photocatalytic activity for indoor air purification
Sydorenko, Jekaterina; **Mere, Arvo**; **Krunks, Malle**; **Krichevskaya, Marina**; **Oja Acik, Ilona** RSC advances 2022 / p. 35531-35542 https://doi.org/10.1039/D2RA06488J Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Treatment of landfill leachate by continuously reused ferric oxyhydroxide sludge-activated hydrogen peroxide
Kattel, Eneliis; **Trapido, Marina**; **Dulova, Niina** Chemical engineering journal 2016 / p. 646-654 : ill https://doi.org/10.1016/j.cej.2016.06.135 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

Tunable chiral triazole-based halogen bond donors : assessment of donor strength in solution with nitrogen-containing acceptors
Peterson, Anna; **Kaasik, Mikk**; **Metsala, Andrus**; **Järving, Ivar**; Adamson, Jasper; **Kanger, Tõnis** RSC advances 2019 / p. 11718–11721 : ill https://doi.org/10.1039/c9ra01692a 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

Unusual defect-related room-temperature emission from WS2 monolayers synthesized through a potassium-based precursor
Walke, Peter R.; **Kaupmees, Reelika**; **Grossberg-Kuusk, Maarja**; **Krustok, Jüri** ACS omega 2023 / p. 37958-37970 https://doi.org/10.1021/acsomega.3c03476 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

Upgrading of Estonian shale oil heavy residuum bituminous fraction by catalytic hydroconversion
Luik, Hans; **Luik, Lea**; **Johannes, Ille**; **Tiikma, Laine**; **Vink, Natalia**; **Palu, Vilja**; **Bitjukov, Mihhail**; **Tamvelius, Hindrek**; **Krasulina, Julia**; **Kruusement, Kristjan**; **Nechaev, Igor** Fuel processing technology 2014 / p. 115-122 : ill https://doi.org/10.1016/j.fuproc.2014.02.018 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

Urea rebound assessment based on UV absorbance in spent dialysate
Tomson, Ruth; **Uhlin, Fredrik**; **Fridolin, Ivo** Asaio journal 2014 / p. 459-465 : ill https://doi.org/10.1097/MAT.0000000000000091 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Use of changestat for growth rate studies of gut microbiota
Adamberg, Kaarel; **Raba, Grete**; **Adamberg, Signe** Frontiers in bioengineering and biotechnology 2020 / art. 24, 12 p. : ill https://doi.org/10.3389/fbioe.2020.00024 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Utilization of oil shale combustion wastes for PCC production : quantifying the kinetics of $Ca(OH)_2$ and $CaSO_4 \cdot 2H_2O$ dissolution in aqueous systems
Uibu, Mai; **Tamm, Kadriann**; **Velts-Jänes, Olga**; **Kallaste, Priit**; **Kuusik, Rein, keemik**; **Kallas, Juha** Fuel processing technology 2015 / p. 156-164 : ill https://doi.org/10.1016/j.fuproc.2015.09.010 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

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

Vapor pressures of phenolic compounds found in pyrolysis oil
Mozaffari, Parsa; **Järvik, Oliver**; **Baird, Zachariah Steven** Journal of chemical & engineering data 2020 / p. 5559−5566 https://doi.org/10.1021/acs.jced.0c00675 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Variation of cardiac and respiratory waveform on human thorax in the case of inductive coupling
Metshein, Margus; **Annus, Paul**; **Land, Raul**; **Krivošei, Andrei**; **Ojarand, Jaan**; Aabloo, Alvo; **Min, Mart** EMBEC & NBC 2017 : joint conference of the European Medical and Biological Engineering Conference (EMBEC) and the Nordic-Baltic Conference on Biomedical Engineering and Medical Physics (NBC), Tampere, Finland, June 2017 2018 / p. 671-674 : ill https://doi.org/10.1007/978-981-10-5122-7_168 Conference proceedings at Scopus Article at Scopus Article at WOS

Wet air oxidation of oil shales: kerogen dissolution and dicarboxylic acid formation
Kaldas, Kristiina; **Preegel, Gert**; **Muldma, Kati**; **Lopp, Margus** ACS omega 2020 / p. 22021−22030 https://doi.org/10.1021/acsomega.0c01466 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Working environment specialist's role in the improvement of safety level in Estonian enterprises
Hrenov, Georgi; **Reinhold, Karin**; **Tint, Piia** Engineering for rural development 2017 / p. 832−840 https://doi.org/10.22616/ERDev2017.16.N170 http://tf.llu.lv/conference/proceedings2017/ Conference proceedings at Scopus Article at Scopus Article at WOS

YSZ-rGO composite ceramics by spark plasma sintering : the relation between thermal evolution of conductivity, microstructure and phase stability
Glukharev, Artem; Glumov, Oleg; Temnikova, Maria; Saffarshamshirgar, Ali; **Hussainova, Irina**; Konakov, Vladimir Electrochimica acta 2021 / art. 137533 https://doi.org/10.1016/j.electacta.2020.137533 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS