A klassi lugu : [Jõgeva Keskkooli XI lend]
Kuusik, Rein, keemik Jõgeva Keskkooli XI lennu lugu 1959-2019 2019 / lk. 18-22 : fot https://www.ester.ee/record=b5232099*est

Accelerated carbonation of Ca-rich fly ashes in non-cement applications = Kaltsiumirikka lendtuha kiirendatud karboniseerimine tsemendivabades rakendustes
Usta, Mustafa Cem 2023 https://doi.org/10.23658/taltech.63/2023 https://digikogu.taltech.ee/et/Item/5cd96499-8d75-44fa-9599-6d3eee32b244 https://www.ester.ee/record=b5645215*est

Accelerated carbonation technology granulation of industrial waste : effects of mixture composition on product properties
Berber, Hakan; **Tamm, Kadriann**; **Leinus, Mari-Liis**; **Kuusik, Rein, keemik**; **Tõnsuaadu, Kaia**; Paaver, Peeter; **Uibu, Mai** Waste management & research 2020 / p. 142-155 https://doi.org/10.1177/0734242X19886646 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Acoustic emission of Estonian clay Arumetsa during firing
Hulan, Tomaš; Štubna, Igor; **Kaljuvee, Tiit** THERMOPHYSICS 2018: 23rd International Meeting of Thermophysics 2018 : Smolenice, Slovakia, 7–9 November 2018 2018 / art. 020016, [6] p https://doi.org/10.1063/1.5047610 Conference proceedings at Scopus Article at Scopus Article at WOS

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

Activated persulfate and hydrogen peroxide treatment of highly contaminated water matrices: a comparative study
Dulova, Niina; **Kattel, Eneliis**; **Trapido, Marina** International journal of environmental science and development 2020 / p. 549−554 https://doi.org/10.18178/ijesd.2020.11.12.1306 Journal metrics at Scopus Article at Scopus

Activated persulfate processes for degradation of endocrine disrupting compound nonylphenol in aqueous matrices [Online resource]
Dulova, Niina; **Balpreet Kaur**; **Kattel, Eneliis**; **Trapido, Marina** 19th European Meeting on Environmental Chemistry : 3 - 6 december 2018 Royat - France : programm book 2018 / p. 34
https://emec19.sciencesconf.org/data/pages/EMEC_19_Book_of_abstract.pdf

Activation of oil shale ashes for sulfur capture
Trass, Olev; **Kuusik, Rein, keemik**; **Kaljuvee, Tiit** Oil shale 2018 / p. 375-385 : ill https://doi.org/10.3176/oil.2018.4.07 http://www.kirj.ee/public/oilshale_pdf/2018/issue_4/OS-2018-4-375-385.pdf Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

The activity of nanomaterials in photocatalysis
Krichevskaya, Marina Proceedings 2023 / art. 23 https://doi.org/10.3390/proceedings2023092023

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

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 sensing materials based on molecularly imprinted polymers towards developing point-of-care diagnostics devices
Kidakova, Anna; **Reut, Jekaterina**; **Borozņjak, Roman**; **Öpik, Andres**; **Sõritski, Vitali** Proceedings of the Estonian Academy of Sciences 2019 / p. 158–167 : ill https://doi.org/10.3176/proc.2019.2.07 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 detection of antibiotic pollutants in aqueous media using molecular imprinting technique - a review
Ayankojo, Akinrinade George; **Reut, Jekaterina**; **Nguyen, Vu Bao Chau**; **Borozņjak, Roman**; **Sõritski, Vitali** Biosensors 2022 / art. 441 https://doi.org/10.3390/bios12070441 Journal metrics at Scopus Article at Scopus Journalmetrics at WOS Article at WOS

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

Advancing green hydrogen production : synthesizing and analyzing nickel and iron micro-flower shaped electrocatalysts on Ni-mesh for alkaline water electrolysis
Jäger, Rutha; Valk, Peeter; Grozovski, Vitali; **Volobujeva, Olga**; Prits, Alise-Valentine; Maide, Martin; Küngas, Rainer; Lust, Enn; Nerut, Jaak 246th ECS Meeting PRiME 2024; Honolulu, Hawaii, USA; October 6-11, 2024 https://doi.org/10.1149/MA2024-02422814mtgabs

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

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

Ag nanoparticles on mesoporous carbon support as cathode catalyst for anion exchange membrane fuel cell
Linge, Jonas Mart; Erikson, Heiki; Mooste, Marek; Piirsoo, Helle-Mai; **Kaljuvee, Tiit**; Kikas, Arvo; Aruväli, Jaan; Kisand, Vambola; Tamm, Aile; Kannan, Arunachala Mada; Tammeveski, Kaido International Journal of Hydrogen Energy 2023 / p. 11058-11070 https://doi.org/10.1016/j.ijhydene.2022.12.138 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

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

Aggregate production from burnt oil shale and CO2 - an Estonian perspective
Berber, Hakan; **Tamm, Kadriann**; **Leinus, Mari-Liis**; **Kuusik, Rein, keemik**; **Uibu, Mai** Oil Shale 2019 / p. 431-447 : ill https://doi.org/10.3176/oil.2019.3.05 http://www.kirj.ee/32493/?tpl=1061&c_tpl=1064 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Air vortex electrospinning method for nanofiber yarn production [Online resource]
Viirsalu, Mihkel; **Savest, Natalja**; **Krumme, Andres** Tartu Ülikooli ASTRA projekt PER ASPERA : Funktsionaalsed materjalid ja tehnoloogiad : [7-8 märts 2017, Tartu : teesid] 2017 / [1] p http://fmtdk.ut.ee/teesid/

Airtightness of cross-laminated timber envelopes : influence of moisture content, indoor humidity, orientation, and assembly
Kukk, Villu; **Bella, Adeniyi**; **Kers, Jaan**; **Kalamees, Targo** Journal of building engineering 2021 / art. 102610 https://doi.org/10.1016/j.jobe.2021.102610 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

"AK. Nädal" uuris, kuidas jõuab inimesteni puhas joogivesi
Saar, Sandra novaator.err.ee 2023 "AK. Nädal" uuris, kuidas jõuab inimesteni puhas joogivesi

Akadeemik : tööstuses võiks olla rohkem doktorikraadiga juhte
Mihkelsaar, M.; Grossberg-Kuusk, Maarja novaator.err.ee 2024 Akadeemik: tööstuses võiks olla rohkem doktorikraadiga juhte

Aldehyde-free resins based on resorcinol and natural alkylresorcinols modified with styrene
Jurkeviciute, Ana; **Grigorieva, Larisa**; **Tõnsuaadu, Kaia**; Yashicheva, Tamara Polymers / Composites / 3Bs Materials 2023 International Joint Conferences 22-24 February 2023 Bangkok, Thailand : Book of Abstracts 2023 / p. 43 : ill https://setcor.org/userfiles/files/2023/Bangkok/Polymers-Composites-3BsMaterials-2023-Book-of-Abstracts.pdf

All‐solution‐processed transparent front contact for monograin layer kesterite solar cells

Edinger, Stefan; Bansal, Neha; Wibowo, Adhi Rachmat; Winkler, Nina; Illich, Peter; Zechmeister, Armin; Plessing, Lukas; **Meissner, Dieter** Progress in photovoltaics : research and applications 2019 / p. 547-555 https://doi.org/10.1002/pip.3122 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

An alternative chlorine-assisted optimization of CdS/Sb2Se3 solar cells : towards understanding of chlorine incorporation mechanism
Gopi, Sajeesh Vadakkedath; **Spalatu, Nicolae**; **Katerski, Atanas**; Kulicek, Jaroslav; Razek, Bohuslav; Ukraintsev, Egor; Barinkova, Marketa Šlapal; Zoppi, Guillaume; **Krunks, Malle**; **Oja Acik, Ilona** Journal of alloys and compounds 2024 / art. 176175 https://doi.org/10.1016/j.jallcom.2024.176175

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

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

An electrochemical biosensor for direct detection of hepatitis C virus
Antipchik, Mariia; Korzhikova-Vlakh, Evgenia; Polyakov, Dmitry; Tarasenko, Irina; **Reut, Jekaterina**; **Öpik, Andres**; **Sõritski, Vitali** Analytical Biochemistry 2021 / art. 114196 https://doi.org/10.1016/j.ab.2021.114196 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Analysis of grain orientation and defects in Sb2Se3 solar cells fabricated by close-spaced sublimation
Krautmann, Robert; **Spalatu, Nicolae**; Gunder, Rene; Abou-Ras, Daniel; Unold, Thomas; Schorr, Susan; **Oja Acik, Ilona**; **Krunks, Malle** GSFMT Scientific Conference 2021 : Tartu, June 14-15, 2021 : abstracts 2021 / P 17 https://fmtdk.ut.ee/wp-content/uploads/2021/06/GSFMT_abstractbook_2021.pdf

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

Andres Krumme: plastimurest vabaks puidust toodetava bioplasti abil
director.ee 2022 Andres Krumme: plastimurest vabaks puidust toodetava bioplasti abil

Andres Krumme: usk teaduses ja teadus usus
Krumme, Andres https://trialoog.taltech.ee/andres-krumme-usk-teaduses-ja-teadus-usus/ err.ee 2025 https://trialoog.taltech.ee/andres-krumme-usk-teaduses-ja-teadus-usus/ https://www.err.ee/1609667264/andres-krumme-usk-teaduses-ja-teadus-usus

Antibacterial and antiviral effects of Ag, Cu and Zn metals, respective nanoparticles and filter materials thereof against coronavirus SARS-CoV-2 and influenza A virus
Kubo, Anna-Liisa; Rausalu, Kai; Savest, Natalja; Žusinaite, Eva; **Vasiliev, Grigory**; **Viirsalu, Mihkel**; **Plamus, Tiia**; **Krumme, Andres**; Merits, Andres; Bondarenko, Olesja Pharmaceutics 2022 / art. 2549 : 19 p. : ill https://doi.org/10.3390/pharmaceutics14122549 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

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 activated persulfate processes for the treatment of water and high-strength wastewater = Aktiveeritud persulfaadi protsesside kasutamine vee ja raskesti saastatud reovee puhastamiseks
Kattel, Eneliis 2018 https://digi.lib.ttu.ee/i/?9958 https://www.ester.ee/record=b5054228*est

Application of fly ash of lignite combustion in air and water purification
Nikitin, Dmitri; **Bolobajev, Juri**; **Kritševskaja, Marina**; Pilar, Lukas; Vitvarova, Monika; **Preis, Sergei**; **Dulova, Niina** Proceedings 2023 / art. 32 https://doi.org/10.3390/proceedings2023092032

Application of HOHWM based function approximation algorithms in engineering design
Mäe, Tiina; **Plamus, Tiia**; **Majak, Jüri**; **Karunanidhi, Ramachandran**; **Rahman, Md Toufiqur** International conference of numerical analysis and applied mathematics ICNAAM 2021 : Rhodes, Greece, 20–26 September 2021 2023 / art. 250003 https://doi.org/10.1063/5.0162255 Conference Proceedings at Scopus Article at Scopus

Application of metal-doped organic aerogels for photodegradation of antibiotics in water
Bolobajev, Juri; **Kask, Maarja**; **Koel, Mihkel** Chemical industry digest 2019 / p. 92−95 http://chemindigest.com/chemical-industry-digest-june-2019/

Application of metal-doped organic aerogels for photodegradation of trimethoprim in water
Kask, Maarja; **Koel, Mihkel**; **Bolobajev, Juri** Aerogels processing, modeling and environmental-driven applications : book of abstracts. 2019 / p. 28

Application of thermal analysis techniques for studing the possibilities of utilization of oil shale ashes formed at electriciy production in Estonia
Kaljuvee, Tiit; **Uibu, Mai**; **Einard, Marve**; **Yörük, Can Rüstü**; **Trikkel, Andres**; **Kuusik, Rein, keemik** 5th Central and Eastern European Conference on Thermal Analysis and Calorimetry & 14th Mediterranean Conference on Calorimetry and Thermal Analysis , 27-30 August 2019, Roma, Italy: CEEC-TAC5 & Medicta2019 : book of abstracts 2019 / p. 47 http://www.ceec-tac.org/download.php?f=../download/BoA%20CEEC-TAC5%20Medicta2019.pdf

Application of ultrasonic sprayed zirconium oxide dielectric in zinc tin oxide-based thin film transistor
Oluwabi, Abayomi Titilope; **Katerski, Atanas**; Carlos, Emanuel; Branquinho, Rita; **Mere, Arvo**; **Krunks, Malle**; Fortunato, Elvira; Pereira, Luis; **Oja Acik, Ilona** Journal of materials chemistry C 2020 / p. 3730-3739 : ill https://doi.org/10.1039/C9TC05127A Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Aqueous bromide oxidized with pulsed corona discharge
Petrotšenko, Irina; **Preis, Sergei** Journal of electrostatics 2024 / art. 103978, 9 p. : ill https://doi.org/10.1016/j.elstat.2024.103978 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Aqueous mineral carbonation of oil shale mine waste (limestone) : a feasibility study to develop a CO2 capture sorbent
Puthiya Veetil, Sanoop Kumar; **Rebane, Kaarel**; **Yörük, Can Rüstü**; **Lopp, Margus**; **Trikkel, Andres**; **Hitch, Michael William** Energy 2021 / art. 119895 https://doi.org/10.1016/j.energy.2021.119895 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Aqueous photocatalytic degradation of selected micropollutants by Pd-modified titanium dioxide in three photoreactor types
Klauson, Deniss; **Šakarašvili, Marko**; **Pronina, Natalja**; **Kritševskaja, Marina**; **Kärber, Erki**; **Mikli, Valdek** Environmental technology 2017 / p. 860-871 : ill https://doi.org/10.1080/09593330.2016.1214185 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Arvo Mere: esimese arvuti ehitasin ise 1987. aastal
Mere, Arvo Mente et Manu 2025 / lk. 8-9 : fot https://www.ester.ee/record=b1242496*est

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

Asjade interneti levikule tõotavad anda hoogu erilised päikesepaneelid
Sibinski, Maciej novaator.err.ee 2024 Asjade interneti levikule tõotavad anda hoogu erilised päikesepaneelid

Assessing the frost resistance of illite-based ceramics through the resonant frequency of free vibration and internal damping
Hulan, Tomaš; Knapek, Michal; Minarik, Peter; Csaki, Štefan; **Kaljuvee, Tiit**; **Uibu, Mai** AIP conference proceedings 2017 / art. 040015, p. 1-7 https://doi.org/10.1063/1.4994495 Conference proceedings at Scopus Article at Scopus Article at WOS

Assessment of the hazard of nine (doped) lanthanides-based ceramic oxides to four aquatic species
Blinova, Irina; Vija, Heiki; Lukjanova, Aljona; **Muna, Marge**; Syvertsen-Wiig, Guttorm; Kahru, Anne Science of the total environment 2018 / p. 1171-1176 : ill https://doi.org/10.1016/j.scitotenv.2017.08.274 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Assessment of the toxic effects of mixtures of three lanthanides (Ce, Gd, Lu) to aquatic biota

Romero-Freire, A.; Joonas, E.; **Muna, Marge**; Cossu-Leguille, C.; Vignati, D.A.L.; **Giamberini, L.** Science of the total environment 2019 / p. 276-284 : ill https://doi.org/10.1016/j.scitotenv.2019.01.155 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Asymmetric NDI electron transporting SAM materials for application in photovoltaic devices
Svirskaite, Lauryna Monika; **Mandati, Sreekanth**; **Spalatu, Nicolae**; Malinauskiene, Vida; Karazhanov, Smagul; Getautis, Vytautas; Malinauskas, Tadas Synthetic metals 2022 / art. 117214 https://doi.org/10.1016/j.synthmet.2022.117214 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Atomic structure and dynamics of unusual and wide-gap phase-change chalcogenides : a GeTe2 case
Usuki, Takeshi; Benmore, Chris J.; Tverjanovich, Andrey; **Bereznev, Sergei**; Khomenko, Maxim; Sokolov, Anton; Fontanari, Daniele; Ohara, Koji; Bokova, Maria; Kassem, Mohammad; Bychkov, Eugene Physica status solidi - rapid research letters 2024 / art. 2300482 https://doi.org/10.1002/pssr.202300482 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Atypical phase-change alloy Ga2Te3 : atomic structure, incipient nanotectonic nuclei, multilevel writing
Tverjanovich, Andrey; Khomenko, Maksym; Benmore, Chris; **Bereznev, Sergei**; Sokolov, Anton; Fontanari, Daniele; Kiselev, Aleksei; Lotin, Andrey; Bychkov, Eugene Journal of materials chemistry C 2021 / p. 17019-17032 https://doi.org/10.1039/d1tc03850h Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

Autothermal Siberian pine nutshell pyrolysis maintained by exothermic reactions
Astafev, Alexander; Shanenkov, Ivan; Ibraeva, Kanipa; Tabakaev, Roman; **Preis, Sergei** Energies 2022 / art. 7118 https://doi.org/10.3390/en15197118 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

Axial synchronous magnetic coupling modeling and printing with selective laser melting
Tiismus, Hans; **Kallaste, Ants**; **Vaimann, Toomas**; **Rassõlkin, Anton**; **Belahcen, Anouar** 2019 IEEE 60th International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON), 7-9 October 2019 : conference proceedings 2019 / 4 p. : ill https://doi.org/10.1109/RTUCON48111.2019.8982344

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

The band structure of CuInTe2 studied by optical reflectivity
Yakushev, Michael V.; Mudrov, Andrej; **Kärber, Erki** Applied physics letters 2019 / art. 062103, 4 p. : ill https://doi.org/10.1063/1.5079971 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

Behavior of Estonian oil shale in acidic oxidative conditions
Niidu, Allan; Grenman, Henrik; **Muldma, Kati**; **Kaldas, Kristiina**; **Mikli, Valdek**; **Lopp, Margus** Frontiers in Chemical Engineering 2022 / art. 590115 https://doi.org/10.3389/fceng.2022.590115

Benefication of Estonian phosphate ore by flotataion [Online resource]
Tamm, Kadriann; **Piir, Indrek**; **Kuusik, Rein, keemik**; **Tõnsuaadu, Kaia** Beneficiation of Phosphates VIII : proceedings 2018 / [1] p. : ill http://dc.engconfintl.org/phosphates_viii/1/

Bifunctional platinum-free mixed metal oxygen electrocatalysts based on naturally abundant peat
Teppor, Patrick; Jäger, Rutha; Härmas, Meelis; Aruväli, Jaan; **Volobujeva, Olga**; Koppel, Mirjam; Lust, Enn ECS Meeting Abstracts 2022 / p. 29-37 : ill https://doi.org/10.1149/10807.0029ecst Journal metrics at Scopus Article at Scopus

Bioceb: tuleviku biomajandust loome viie ülikooli ühise õppekavaga

Kers, Jaan Mente et Manu 2022 / lk. 34-37 : fot https://www.ester.ee/record=b1242496*est

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

Biomass derived fibers as a substitute to synthetic fibers in polymer composites
Qasim, Umair; Ali, Muzaffar; Ali, Touqeer; Iqbal, Rameez; Jamil, Farrukh ChemBioEng Reviews 2020 / p. 193−215 https://doi.org/10.1002/cben.202000002

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

Bis-spirocyclic diol monomers and polyurethanes derived from citric acid : synthesis, properties, electrospinnability, and evaluation of chemical recyclability
Liblikas, Ilme; Bonjour, Olivier; **Savest, Natalja**; **Krumme, Andres**; Jannasch, Patric; Vares, Lauri Chemical engineering journal 2025 / art. 163525 https://doi.org/10.1016/j.cej.2025.163525

1-butyl-3-methylimidazolium chloride assisted electrospinning of SAN/MWCNTs conductive reinforced composite membranes [Online resource]
Vassiljeva, Viktoria; **Krumme, Andres**; **Märtson, Triin**; **Rikko, M.**; **Tarasova, Elvira**; **Savest, Natalja**; **Viirsalu, Mihkel** Tartu Ülikooli ASTRA projekt PER ASPERA : Funktsionaalsed materjalid ja tehnoloogiad : [7-8 märts 2017, Tartu : teesid] 2017 / [1] p http://fmtdk.ut.ee/teesid/

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

Broad-band photoluminescence of donor-acceptor pairs in tetrahedrite Cu10Cd2Sb4S13 microcrystals
Krustok, Jüri; **Raadik, Taavi**; **Kaupmees, Reelika**; **Ghisani, Fairouz**; **Timmo, Kristi**; **Altosaar, Mare**; **Mikli, Valdek**; **Grossberg, Maarja** Journal of physics D: applied physics 2021 / art. 105102, 7 p. : ill https://doi.org/10.1088/1361-6463/abce29 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Bulk and interface recombination in TiO2/Sb2Se3 solar cells
Krautmann, Robert; **Josepson, Raavo**; **Spalatu, Nicolae**; **Oja Acik, Ilona** Graduate School of Functional Materials and Technology (GSFMT) Scientific Conference : abstracts 2022 / p. 28 Graduate School of Functional Materials and Technology (GSFMT) Scientific Conference 2022

Bulk and surface characterisation techniques of solar absorbers : general discussion
Andreasen, Jens Wenzel; Breternitz, Joachim; Bär, Marcus; Dale, Phillip J.; Dimitrievska, Mirjana; Fermin, David J.; Fleck, Nicole; Hages, Charles J.; Havryliuk, Yevhenii; Hawkins, Cara; **Mandati, Sreekanth** Faraday Discussions 2022 / p. 180-201 https://doi.org/10.1039/D2FD90056D

Calcium extraction from Estonian industrial ash bashed on ammonium solvents for production of precipitated calcium carbonate
Tamm, Kadriann; **Viires, Regiina**; **Žuravljova, Anastassia**; **Otto, Kätlin**; **Kuusik, Rein, keemik**; **Uibu, Mai** International IX Oil Shale Conference 2017 "Oil Shale Industry in Circular Economy" : 15th-16th November 2017, [Jõhvi], Ida-Viru County, Estonia : summary 2017 / p. 28-29 : ill http://www.ester.ee/record=b4751282*est

Calcium extraction from Estonian industrial wastes based on ammonium solvents
Tamm, Kadriann; **Viires, Regiina**; **Kuusik, Rein, keemik**; **Uibu, Mai** Energy and sustainability VII 2018 / p. 465-476 : ill https://doi.org/10.2495/ESUS170431 Conference proceedings at Scopus Article at Scopus Article at WOS

Calcium, Barium and Strontium apatites : a new generation of catalysts in the Biginelli reaction
Ben Moussa, Sana; Lachheb, Jalel; Gruselle, Michel; **Maaten, Birgit**; **Kriis, Kadri**; **Kanger, Tõnis**; **Tõnsuaadu, Kaia**; Badraoui, Bechir Tetrahedron 2017 / p. 6542-6548 : ill https://doi.org/10.1016/j.tet.2017.09.051 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Carbon aerogel platinum-praseodymium oxide nanocatalyst for methanol oxidation in 0.5 M sulfuric acid : (digital presentation)
Prits, Alise-Valentine; Nerut, Jaak; Kasuk, Heili; **Koel, Mihkel**; Sepp, Silver; Valk, Peeter; Aruväli, Jaan; Koppel, Miriam; **Mikli, Valdek**; **Volobujeva, Olga**; Lust, Enn ECS transactions 2022 / art. 79 https://doi.org/10.1149/10807.0079ecst Journal metrics at Scopus Article at Scopus

Carbon xerogel from 5-methylresorcinol-formaldehyde gel : the controllability of structural properties
Peikolainen, Anna-Liisa; **Uibu, Mai**; Kozlova, Jekaterina; Mändar, Hugo; Tamm, Aile; Aabloo, Alvo Carbon trends 2021 / art. 100037, 11 p. : ill https://doi.org/10.1016/j.cartre.2021.100037 Journal metrics at Scopus Article at Scopus 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

Catalytic ozonation of trimethoprim in aqueous solution by in situ generated hydrous manganese oxide
Goi, Anna; **Bolobajev, Juri** 5th European Conference on Environmental Applications of Advanced Oxidation Processes (EAAOP5) : book of abstracts 2017 / p. 330 https://photo-catalysis.org/events/901/photo/book_of_proceedings_eaaop5_prague.pdf

Cellulose dissolution and transesterification in superbase ionic liquid [mTBNH][OAc] with green co-solvents = Tselluloosi lahustamine ja ümberesterdamine superaluselises ioonvedelikus [mTBNH][OAc] koos roheliste kaaslahustitega
Savale, Nutan Bharat 2025 https://www.ester.ee/record=b5734584*est https://digikogu.taltech.ee/et/Item/85b4caf4-fab7-44a7-96a6-d7f5861795f6 https://doi.org/10.23658/taltech.13/2025

Changes in the thermal behaviour of phosphorite sample from Toolse deposit (Estonia) along the drill-core
Kaljuvee, Tiit; **Tõnsuaadu, Kaia**; **Kallaste, Toivo**; **Hints, Rutt**; **Kivimäe, Eliise-Koidula**; Petkova, Vilma; **Trikkel, Andres** 7th Central and Eastern European Conference on Thermal Analysis and Calorimetry (CEEC-TAC7) : book of abstracts 2023 / p. 69

Characterisation of frost-retted hemp fibres for use as reinforcement in biocomposites = Külmligu kanepikiudude karakteriseerimine kasutamiseks sarrusena biokomposiitides
Alao, Percy Festus 2022 https://doi.org/10.23658/taltech.31/2022 https://digikogu.taltech.ee/et/Item/1cb2c061-7df8-4d8b-806a-fd53ea8820b5 https://www.ester.ee/record=b5500189*est

Characterization and comparison of as received and clinically retrieved Bio-active™ orthodontic archwires
Georgieva, Mirela; Stoyanova-Ivanova, Angelina; Cherneva, Sabina; Petrov, Valeri; Petrova, Violeta; Andreeva, Laura; Mihailov, Valentin; Petkov, Alexander; **Mikli, Valdek** Biotechnology and biotechnological equipment 2021 / p. 1301-1311 : ill https://doi.org/10.1080/13102818.2021.1964381 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 FeS2 pyrite microcrystals synthesized in different flux media
Kristmann, Katriin; **Raadik, Taavi**; **Altosaar, Mare**; **Danilson, Mati**; **Krustok, Jüri**; Paaver, Peeter; Butenko, Yuriy Materials advances 2023 / p. 1565 - 1575 https://doi.org/10.1039/D3MA00697b Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

Characterization of tetrahedrite Cu10Cd2Sb4S13 monograin materials grown in molten CDI2 and LiI : [conference paper]
Ghisani, Fairouz; **Timmo, Kristi**; **Altosaar, Mare** GSFMT Scientific Conference 2021 : Tartu, June 14-15, 2021 : abstracts 2021 / p. 29 https://fmtdk.ut.ee/wp-content/uploads/2021/06/GSFMT_abstractbook_2021.pdf

Characterization of thermally treated anatase TiO2 supplemented by oxygen adsorption measurements
Kritševskaja, Marina; Moiseev, Anna; Weber, Alfred; Deubener, Joachim 5th European Conference on Environmental Applications of Advanced Oxidation Processes (EAAOP5) : book of abstracts 2017 / p. 124 https://photo-catalysis.org/events/901/photo/book_of_proceedings_eaaop5_prague.pdf

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

Chemical processes involved in Cu2ZnSnSe4 synthesis and SnS recrystallization in a molten salt medium = Keemilised protsessid Cu2ZnSnSe4 sünteesil ja SnS rekristallisatsioonil sulade soolade keskkonnas
Leinemann, Inga 2019 https://digi.lib.ttu.ee/i/?11250 https://www.ester.ee/record=b5185552*est

Chemical treatment of tetrahedrite Cu10Cd2Sb4S13 monograin powder
Ghisani, Fairouz; **Timmo, Kristi**; **Altosaar, Mare** GSFMT Scientific Conference 2020 : Tallinn, February 4-5, 2020 : abstracts 2020 / p. 24 http://fmtdk.ut.ee/wp-content/uploads/2020/01/GSFMT2020.pdf

Chemical vapour deposition of WS2monolayers [Online resource]
Kaupmees, Reelika; **Grossberg, Maarja**; **Krustok, Jüri** Tartu Ülikooli ASTRA projekt PER ASPERA : Funktsionaalsed materjalid ja tehnoloogiad : [4.-5. veebr. 2019, Tartu : teesid] 2019 / 1 p http://fmtdk.ut.ee/teesid-2019/

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

Circular production, designing, and mechanical testing of polypropylene-based reinforced composite materials : statistical analysis for potential automotive and nuclear applications
Hussain, Abrar; **Podgurski, Vitali**; **Goljandin, Dmitri**; **Antonov, Maksim**; **Sergejev, Fjodor**; **Krasnou, Illia** Polymers 2023 / art. 3410, 30 p. : ill https://doi.org/10.3390/polym15163410 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Class-selective molecularly imprinted polymer-based sensor for macrolideantibiotics detection
Ayankojo, Akinrinade George; **Nguyen, Vu Bao Chau**; **Reut, Jekaterina**; **Öpik, Andres**; **Sõritski, Vitali** International Conference on Chemical Sensors : Mátrafüred 2022 2022 / p. 70 https://matrafured.ch/MatrafuredScientificProgram_2022.pdf

ClimMIT - Climate change mitigation with CCS and CCU technologies
Uibu, Mai; **Siirde, Andres**; **Järvik, Oliver**; **Trikkel, Andres**; **Yörük, Can Rüstü**; Nurk, Gunnar; Kirsimäe, Kalle; **Hazak, Aaro**; **Konist, Alar** Proceedings of the 15th Greenhouse Gas Control Technologies Conference 15-18 March 2021 2021 / 9 p https://ssrn.com/abstract=3812288 https://doi.org/10.2139/ssrn.3812288

CNC machining of halftone and lithophane images into wood-based panels [Online resource]
Kiiman, Karmo; **Luga, Üllar**; **Poltimäe, Triinu**; **Kers, Jaan** Tartu Ülikooli ASTRA projekt PER ASPERA : Funktsionaalsed materjalid ja tehnoloogiad : [7-8 märtsil 2018, Tallinn : teesid] GSFMT Scientific Conference 2018 : Tallinn, March 7-8, 2018 : abstracts 2018 / p. 1 http://fmtdk.ut.ee/teesid-2018/

CNC-töötlemiskeskused puidutööstuses
Kiiman, Karmo; Serg, Rene Puidutöötlemise õpik 2025 / lk. 406-448 : ill https://www.ester.ee/record=b5714083*est https://digikogu.taltech.ee/et/Item/32f67368-0b3f-4f3d-9c57-26b8d9d7bc93

CO2 curing of Ca-rich fly ashes to produce cement-free building materials
Usta, Mustafa Cem; **Yörük, Can Rüstü**; **Uibu, Mai**; **Hain, Tiina**; **Gregor, Andre**; **Trikkel, Andres** Minerals 2022 / art. 513, 24 p. : ill https://doi.org/10.3390/min12050513 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

CO2 mineralization by burnt oil shale and cement by pass dust effect of operating temperature and pre-treatment
Usta, Mustafa Cem; **Yörük, Can Rüstü**; **Uibu, Mai**; **Kaljuvee, Tiit**; **Trikkel, Andres** GSFMT Scientific Conference 2020 : Tallinn, February 4-5, 2020 : abstracts 2020 / p. 87 http://fmtdk.ut.ee/wp-content/uploads/2020/01/GSFMT2020.pdf

CO2 mineralization by burnt oil shale and cement bypass dust : effect of operating temperature and pre-treatment
Yörük, Can Rüstü; **Uibu, Mai**; **Usta, Mustafa Cem**; **Kaljuvee, Tiit**; **Trikkel, Andres** Journal of thermal analysis and calorimetry 2020 / p. 991–999 : ill https://doi.org/10.1007/s10973-020-09349-9 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

CO2 mineralization by burnt oil shale and cement bypass dust: effect of operating temperature and pre-treatment
Yörük, Can Rüstü; **Uibu, Mai**; **Usta, Mustafa Cem**; **Kaljuvee, Tiit**; **Trikkel, Andres** 2nd Journal of Thermal Analysis and Calorimetry Conference, Budapest, June 18–21, 2019 : book of abstracts 2019 / p. 501 https://jtac-jtacc.akcongress.com/

CO2 mineralization in cement sector : Lab scale experiments on burnt oil shale and concrete demolition wastes
Uibu, Mai; Usta, Mustafa Cem; **Tamm, Kadriann**; **Žuravljova, Anastassia**; **Kallas, Juha**; **Kuusik, Rein, keemik**; **Trikkel, Andres** enos-project.eu 2018 / 18 p. : ill http://www.enos-project.eu/highlights/conference/basreccs-enos-workshop/ http://www.enos-project.eu/media/15321/8-basreccs-enos_muibu.pdf

CO2 transformed into highly active catalysts for the oxygen reduction reaction via low-temperature molten salt electrolysis
Remmel, Anna-Liis; Ratso, Sander; Liivand, Kerli; **Danilson, Mati**; Kaare, Kätlin; **Mikli, Valdek**; Kruusenberg, Ivar Electrochemistry Communications 2024 / art. 107781 https://doi.org/10.1016/j.elecom.2024.107781 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

CO2 turned into a nitrogen doped carbon catalyst for fuel cells and metal-air battery applications

Ratso, Sander; **Walke, Peter**; **Mikli, Valdek**; Locs, Janis; Šmits, Krišjānis; Vitola, Virginija; Šutka, Andris; Kruusenberg, Ivar Green chemistry 2021 / p. 4435−4445 https://doi.org/10.1039/D1GC00659B Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Cobalt and nitrogen co-doped peat derived carbon based catalysts for oxygen reduction
Jäger, Rutha; Teppor, Patrick; Härk, Eneli; Härmas, Meelis; Adamson, Anu; Paalo, Maarja; **Volobujeva, Olga**; Kikas, Arvo; Kochovski, Zdravko; Romann, Tavo ECS Transactions 2020 / p. 605-613 : ill https://doi.org/10.1149/09707.0605ecst Journal metrics at Scopus Article at Scopus

Combination of advanced oxidation methods for the energy-efficient abatement of aqueous and gaseous hazardous pollutants = Süvaoksüdatsiooniprotsesside kombineerimine ohtlike saasteainete energiatõhusaks lagundamiseks vees ja õhus
Kask, Maarja 2021 https://www.ester.ee/record=b5451819*est https://digikogu.taltech.ee/et/Item/26344f14-93e2-432d-82d6-cc540247d95b https://doi.org/10.23658/taltech.37/2021

Combinative solution processing and Li doping approach to develop p-type NiO thin films with enchanced electrical properties
Oluwabi, Abayomi Titilope; **Spalatu, Nicolae**; Maticiuc, Natalia; **Katerski, Atanas**; **Mere, Arvo**; **Krunks, Malle**; **Oja Acik, Ilona** Frontiers in materials 2023 / 12 p. : ill https://doi.org/10.3389/fmats.2023.1060420 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

Combined treatment of pyrogenic wastewater from oil shale retorting
Klein, Kati; **Kattel, Eneliis**; **Goi, Anna**; Kivi, Arthur; **Dulova, Niina**; Saluste, Alar; Zekker, Ivar; **Trapido, Marina**; Tenno, Taavo Oil shale 2017 / p. 82-96 : ill https://doi.org/10.3176/oil.2017.1.06 https://artiklid.elnet.ee/record=b2816468*est Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

A comparative study of losartan photodegradation : activated persulfate versushydrogen peroxide
Balpreet Kaur; **Eha, Kaie**; **Dulova, Niina** The 20th European Meeting on Environmental Chemistry : 2-5 December 2019 Lodz, Poland : book of abstract 2019 / p. 77 : ill https://emec20.p.lodz.pl/files/Book_of_Abstracts_EMEC20.pdf

Comparative study of perhydropolysilazane protective films
Shmagina, Elizaveta; **Danilson, Mati**; **Mikli, Valdek**; **Bereznev, Sergei** Surface engineering 2022 / p. 769-777 : ill https://doi.org/10.1080/02670844.2022.2155445 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Comparative study of siox layers deposition using thermal and uv-assisted curing of perhydropolysilazane
Shmagina, Elizaveta; **Bereznev, Sergei** GSFMT Scientific Conference 2021 : Tartu, June 14-15, 2021 : abstracts 2021 / P 50 https://fmtdk.ut.ee/wp-content/uploads/2021/06/GSFMT_abstractbook_2021.pdf

A comparative study of the growth dynamics and tribological properties of nanocrystalline diamondfilms deposited on the (110) single crystaldiamond and Si(100) substrates
Podgurski, Vitali; **Bogatov, Andrei**; **Yashin, Maxim**; **Viljus, Mart**; **Volobujeva, Olga**; **Mere, Arvo**; **Raadik, Taavi** Diamond and related materials 2019 / p. 159-167 : ill https://doi.org/10.1016/j.diamond.2018.12.024 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Comparative study of thin films prepared by different curing methods of perhydropolysilazane
Shmagina, Elizaveta; **Danilson, Mati**; **Mikli, Valdek**; **Bereznev, Sergei** Graduate School of Functional Materials and Technology (GSFMT) Scientific Conference : abstracts 2022 / art. 54 Graduate School of Functional Materials and Technology (GSFMT) Scientific Conference 2022

A comparative study on physical properties of Al-doped zinc oxide thin films deposited from zinc acetate and zinc acetylacetonate by spray pyrolysis
Eensalu, Jako Siim; **Krunks, Malle**; **Gromõko, Inga**; **Katerski, Atanas**; **Mere, Arvo** Energetika 2017 / p. 46-55 : ill https://doi.org/10.6001/energetika.v63i2.3519 Journal metrics at Scopus Article at Scopus

A comparative study on physical properties of Al-doped zinc oxide thin films deposited from zinc acetate and zinc acetylacetonate solutions by spray pyrolysis
Eensalu, Jako Siim; **Krunks, Malle**; **Gromõko, Inga**; **Katerski, Atanas**; **Mere, Arvo** The 14th International Conference of Young

Scientists on Energy Issues : Kaunas, Lithuania, May 25-26, 2017 2017 / p. X-332
http://cyseni.com/archives/proceedings/Proceedings_of_CYSENI_2017.pdf

Comparison of dehydration in kaolin and illite using DC conductivity measurements
Kubliha, Marian; Trnovcova, Viera; Ondruška, Jan; Štuba, Igor; Bošak, Ondrej; **Kaljuvee, Tiit** Applied clay science 2017 / p. 8−12 : ill https://doi.org/10.1016/j.clay.2017.08.012 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Comparison of different advanced oxidation processes for sulphamethizole degradation : process applicability study at mg L-1 level and scale-down to µg L-1 level
Klauson, Deniss; Grimm, F.; **Pronina, Natalja**; **Viisimaa, Marika**; **Dulova, Niina** 5th European Conference on Environmental Applications of Advanced Oxidation Processes (EAAOP5) : book of abstracts 2017 / p. 401 https://photo-catalysis.org/events/901/photo/book_of_proceedings_eaaop5_prague.pdf

Comparison of multifractal parameters of surface defects and non-defects
Martsepp, Merike; Laas, Tõnu; Tõkke, Siim; **Priimets, Jaanis**; **Mikli, Valdek** Proceedings of the Estonian Academy of Sciences 2023 / p. 115-127 : ill https://doi.org/10.3176/proc.2023.2.03 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Competitive binding of natural amphiphiles with graphene derivatives
Radic, Slaven; Geitner, Nicholas K.; Podila, Ramakrishna; **Käkinen, Aleksandr**; Chen, Pengyu; Ke, Pu Chun; Ding, Feng Scientific reports 2013 / art. 2273 https://doi.org/10.1038/srep02273 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

Comprehensive study of proteolysis during cheese ripening = Proteolüüsi detailne iseloomustamine juustu valmimise käigus
Taivosalo, Anastassia 2020 https://digikogu.taltech.ee/et/Item/baa0efb7-99a7-47b4-a051-3046973593cc

A computational approach for rational monomer selection in molecularly imprinted polymer synthesis = Monomeeride valiku protsessi modelleerimine optimaalse monomeeri leidmiseks molekulaarselt jäljendatud polümeeride sünteesil
Boroznjak, Roman 2017 https://digi.lib.ttu.ee/i/?7629

The computational approach for rational monomer selection in molecularly imprinted polymer synthesis [Online resource]
Boroznjak, Roman; **Lomaka, Andre**; **Sõritski, Vitali**; **Reut, Jekaterina** Tartu Ülikooli ASTRA projekt PER ASPERA : Funktsionaalsed materjalid ja tehnoloogiad : [7-8 märts 2017, Tartu : teesid] 2017 / [1] p. : ill http://fmtdk.ut.ee/teesid/

A computational approach to study functional monomer|protein molecular interactions to optimize protein molecular imprinting
Boroznjak, Roman; **Reut, Jekaterina**; **Tretjakov, Aleksei**; **Lomaka, Andre**; **Öpik, Andres**; **Sõritski, Vitali** Journal of molecular recognition 2017 / art. e2635, p. 1-9 : ill https://doi.org/10.1002/jmr.2635 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Consumption of Estonian phosphorite [Online resource]
Tamm, Kadriann; **Kuusik, Rein, keemik**; **Veiderma, Mihkel**; **Tõnsuaadu, Kaia** Combined set of posters presented at ESPC3 2018 / [1] p. : ill https://phosphorusplatform.eu/images/Conference/ESPC3/Outcomes/ESPC3-Posters-Combined-v2018-10-17-reduced.pdf

Control over MoSe2 formation with vacuum-assisted selenization of one-step electrodeposited Cu-In-Ga-Se precursor layers
Mandati, Sreekanth; Misra, Prashant; Boosagulla, Divya; Tata, Narasinga Rao; Bulusu, Sarada V. Environmental science and pollution research 2021 / p. 15123-15129 : ill https://doi.org/10.1007/s11356-020-11783-z

Controlled annealing process for efficient CdTe thin film solar cells [Online resource]
Spalatu, Nicolae; **Hiie, Jaan**; **Krunks, Malle** [2018 E-MRS Spring Meeting and Exhibit : Materials for energy and environment : Thin film chalcogenide photovoltaic materials : program] 2018 / A.PII.29 https://www.european-mrs.com/thin-film-chalcogenide-photovoltaic-materials-emrs https://www.etis.ee/File/DownloadPublic/d661bb08-33fb-49cb-9ce9-8c6e1c3228ce?name=Fail_Abstracts%20EMRS%202018_SYMPOSIUM%20A_Thin%20film%20chalcogenide%20photovoltaic%20materials.pdf&type=application%2Fpdf

Controlled nanocrystalline precipitation of hydroxyapatite on the surface of microfibrillated cellulose fibers
Kärner, Kärt; **Elomaa, Matti Antero**; **Kallavus, Urve**; **Tõnsuaadu, Kaia** International journal of recent scientific research 2017 / p. 20803-20809 : ill http://recentscientific.com/sites/default/files/8807-A-2017.pdf

Copper chalcopyrites for solar energy applications
Mandati, Sreekanth; Misra, Prashant; Sarada, Bulusu V.; Rao, Tata Naransinga Transactions of the Indian Institute of Metals 2019 / p. 271–288 : ill https://doi.org/10.1007/s12666-018-1455-0

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

Correction to: CO2 mineralization by burnt oil shale and cement bypass dust: effect of operating temperature and pre-treatment (Journal of Thermal Analysis and Calorimetry, (2020), 142, 2, (991-999), 10.1007/s10973-020-09349-9)
Yörük, Can Rüstü; **Uibu, Mai**; **Usta, Mustafa Cem**; **Kaljuvee, Tiit**; **Trikkel, Andres** Journal of Thermal Analysis and Calorimetry 2020 / p. 1001 https://doi.org/10.1007/s10973-020-09973-5 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Correction: Improving Pharmaceuticals Removal at Wastewater Treatment Plants Using Biochar: A Review (Waste and Biomass Valorization, (2023), 14, 8, (2433-2458), 10.1007/s12649-023-02070-2)
Akintola, Ayooluwa Tomiwa; **Ayankunle, Ayankoya Yemi** Waste and biomass valorization 2023 / p. 2459-2460 https://doi.org/10.1007/s12649-023-02093-9 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

Corrigendum to 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

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

Cost-effective fluorene and thiophene containing hole conductors towards semi-transparent Sb2S3 absorber-based solar cells
Mandati, Sreekanth; **Juneja, Nimish**; **Katerski, Atanas**; Jegorove, Aiste; Daskeviciute-Geguziene, Sarune; Grzibovskis, Raitis; Vembris, Aivars; **Spalatu, Nicolae**; Magomedov, Artiom; Karazhanov, Smagul; Getautis, Vytautas; **Krunks, Malle**; **Oja Acik, Ilona** WCPEC-8 : 8th World Conference on Photovoltaic Energy Conversion 2022 / p. 470-473 https://doi.org/10.4229/WCPEC-82022-2BV.2.70

Cost-effective screen printing approach for Ce/Nd-doped ZnAl2O4 films: tuning crystallinity induced by the substrate
Rojas Hernandez, Rocio Estefania; Rubio-Marcos, Fernando; **Necib, Jallouli**; **Danilson, Mati**; Fernandez, Jose Francisco; **Hussainova, Irina** Physical chemistry chemical physics 2023 / p. 15829-15838 https://doi.org/10.1039/D3CP02005C Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Cost-effective synthesis of electrodeposited NiCo2O4 nanosheets with induced oxygen vacancies : a highly efficient electrode material for hybrid supercapacitors
Pappu, Samhita; Nanaji, Katchala; **Mandati, Sreekanth**; Rao, Tata Naransinga; **Martha, Surendra K.**; **Bulusu, Sarada V.** Batteries and supercaps 2020 / p. 1209-1219 https://doi.org/10.1002/batt.202000121

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

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

Cyclohexanohemicucurbit[8]uril inclusion complexes with heterocycles and selective extraction of sulfur compounds

from water
Shalima, Tatsiana; **Mishra, Kamini Atindrakumar**; Kaabel, Sandra; **Ustrnul, Lukas**; **Bartkova, Simona**; **Tõnsuaadu, Kaia**; **Heinmaa, Ivo**; **Aav, Riina** Frontiers in chemistry 2021 / art. 786746, 8 p. : ill https://doi.org/10.3389/fchem.2021.786746 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 oxidative desulfurization of planar compounds over functionalized metal-organic framework UiO-66(Zr): An optimization study
Barghi, Bijan; **Mõistlik, Tanel**; **Raag, Anastassia**; Volokhova, Maria; Reile, Indrek; Seinberg, Liis; **Mikli, Valdek**; **Niidu, Allan** ACS omega 2024 / p. 23329-23338 https://doi.org/10.1021/acsomega.3c09971 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** GSFMT Scientific Conference 2023 : Tartu, 23-24 May, 2023 : abstracts 2023 / 1 p https://fmtdk.ut.ee/programm-2023/

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 aqueous alachlor in pulsed corona discharge
Bolobajev, Juri; **Gornov, Daniil**; Kornev, Iakov; **Preis, Sergei** Journal of electrostatics 2021 / art. 103543 https://doi.org/10.1016/j.elstat.2020.103543 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Degradation of ceftriaxone in aqueous solution by heterogeneous photo-activated persulfate system [Online resource]
Kattel, Eneliis; **Balpreet Kaur**; **Trapido, Marina**; **Dulova, Niina** EMEC18 : Chemistry Towards an Infinite Environment, 18th European Meeting on Environmental Chemistry : book of abstracts 2017 / p. 108 : ill http://www.europeanace.com/file_download/82

Degradation of ceftriaxone in water by heterogeneously activated persulfate [Online resource]
Kuntus, Liina; **Dulova, Niina**; **Kattel, Eneliis** Tartu Ülikooli ASTRA projekt PER ASPERA : Funktsionaalsed materjalid ja tehnoloogiad : [4.-5. veebr. 2019, Tartu : teesid] 2019 / 1 p http://fmtdk.ut.ee/teesid-2019/

Degradation of environmentally toxic refractory compounds in suspended-bed reactor by photocatalytic oxidation and combination of biological treatment with photocatalysis [Online resource]
Pronina, Natalja; **Klauson, Deniss**; **Kamenev, Sven**; **Kamenev, Inna**; **Rudenko, Tatjana**; **Künnis-Beres, Kai**; Moiseev, Anna; **Kritševskaja, Marina** Tartu Ülikooli ASTRA projekt PER ASPERA : Funktsionaalsed materjalid ja tehnoloogiad : [7-8 märts 2017, Tartu : teesid] 2017 / [1] p. : ill http://fmtdk.ut.ee/teesid/

Degradation of imidazolium-based ionic liquids by pulsed corona discharge and UV photolysis assisted with extrinsic oxidants
Nikitin, Dmitri; **Preis, Sergei**; **Dulova, Niina** IOA 26th World Congress & Exhibition Milano 2023 : proceedings 2023 / p. 15.7-1-15.7-3 https://www.ioa-ea3g.org/congress/technical-programme/information-for-authors/

Degradation of imidazolium-based ionic liquids by UV photolysis and pulsed corona discharge : the effect of persulfates addition
Nikitin, Dmitri; **Preis, Sergei**; **Dulova, Niina** Separation and purification technology 2024 / art. 127235 https://doi.org/10.1016/j.seppur.2024.127235 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Degradation of imidazolium-based ionic liquids by UV photolysis and pulsed corona discharge : the effect of persulfates addition
Nikitin, Dmitri; **Dulova, Niina**; **Preis, Sergei** 19th IWA leading edge conference on Water and Wastewater Technologies 2024 / 2 p. https://iwa-let.org/pdfviewer/degradation-of-imidazolium

Degradation of imidazolium-based ionic liquids by UV photolysis and pulsed corona discharge combined with persulfate
Nikitin, Dmitri; **Preis, Sergei**; **Dulova, Niina** 18th International Conference on Chemistry and the Environment (ICCE 2023), June 11-15, 2023 : Book of abstracts 2023 / p. 394 https://icce2023.com/wp-content/uploads/2023/06/Book-of-Abstracts.pdf

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

Dependence of multifractal analysis parameters on the darkness of a processed image
Martsepp, Merike; Laas, Tõnu; Laas, Katrin; **Priimets, Jaanis**; Tõkke, Siim; **Mikli, Valdek** Chaos, Solitons & Fractals 2022 / art. 111811 https://doi.org/10.1016/j.chaos.2022.111811 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Dependence of the interaction mechanisms between l-serine and O-phospho-l-serine with calcium hydroxyapatite and copper modified hydroxyapatite in relation with the acidity of aqueous medium
Tõnsuaadu, Kaia; Gruselle, Michel; **Kriisa, Frieda**; **Trikkel, Andres** Journal of biological inorganic chemistry 2018 / p. 929–937 : ill
https://doi.org/10.1007/s00775-018-1594-0 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Deposition of SbISI thin films by ultrasonic spray pyrolysis for photovoltaic applications = Päikesepatareides rakendatavate SbISI õhukeste kilede sadestamine ultrahelipihustuspürolüüsi meetodil
Eensalu, Jako Siim 2022 https://doi.org/10.23658/taltech.1/2022 https://digikogu.taltech.ee/et/Item/6c2df448-6e67-496b-9e31-87205057d560 https://www.ester.ee/record=b5492121*est

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

Design of performance characteristics on laser treated denim fabric : [conference paper]
Mandre, Nele; **Plamus, Tiia**; **Linder, Angelika**; **Varjas, Toivo**; **Majak, Jüri**; **Krumme, Andres** Graduate School of Functional Materials and Technology (GSFMT) Scientific Conference : abstracts 2022 / p. 36 : ill Graduate School of Functional Materials and Technology (GSFMT) Scientific Conference 2022

Design optimization of permanent magnet clutch
Andriushchenko, Ekaterina; **Kallaste, Ants**; **Belahcen, Anouar**; **Heidari, Hamidreza**; **Vaimann, Toomas**; **Rassõlkin, Anton** 2020 International Conference on Electrical Machines (ICEM), 23-26 August 2020, Gothenburg, Sweden : online : proceedings 2020 / p. 436−440 https://doi.org/10.1109/ICEM49940.2020.9270726

Designing highly insulated cross-laminated timber external walls in terms of hygrothermal performance : field measurements and simulations
Kukk, Villu; **Kaljula, Laura**; **Kers, Jaan**; **Kalamees, Targo** Building and Environment 2022 / art. 108805
https://doi.org/10.1016/j.buildenv.2022.108805 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

Detailed photoluminescence study of Cu2Ge(SSe)3 microcrystals
Kuusik, Jüri; **Kaupmees, Reelika**; **Li, Xiaofeng**; **Kauk-Kuusik, Marit**; **Grossberg, Maarja** AIP advances 2021 / art. 085105
https://doi.org/10.1063/5.0053928 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Determination and comparison of ash melting temperature of a biomass blend by laboratory methods and thermodynamic modelling
Link, Siim; Yrjas, Patrik; Lindberg, Daniel; **Trikkel, Andres** 28th European Biomass Conference and Exhibition : 6-9 July 2020 (Virtual), Marseille, France : proceedings 2020 / p. 322-328 https://doi.org/10.5071/28thEUBCE2020-2BV.2.1

Development and application of energy producing solar pavement in Estonia
Jalakas, Tanel; **Chub, Andrii**; **Vinnikov, Dmitri**; **Spalatu, Nicolae**; **Gudkova, Viktoria**; **Krunks, Malle**; **Mere, Arvo**; Lahi, Allan 2022 IEEE 63th International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON): conference proceedings 2022 / 5 p. : ill https://doi.org/10.1109/RTUCON56726.2022.9978908

Development of a molecularly imprinted polymerbased sensor for electrochemical detection of macrolide antibiotics
Ayankojo, Akinrinade George; **Reut, Jekaterina**; **Öpik, Andres**; **Sõritski, Vitali** Baltic Polymer Symposium 2019 : Vilnius, Lithuania, 18-20 September 2019 : programme and proceedings 2019 / p. 43 : ill Development of a molecularly

Development of a portable MIP-based electrochemical sensor for detection of SARS-CoV-2 antigen
Raziq, Abdul; **Kidakova, Anna**; **Borozniak, Roman**; **Reut, Jekaterina**; **Öpik, Andres**; **Sõritski, Vitali** Biosensors and bioelectronics 2021 / art. 113029 https://doi.org/10.1016/j.bios.2021.113029 Journal metrics at Scopus Article at Scopus Jornal metrics at WOS Article at WOS

Development of antimony sulfide thin-film solar cells for semitransparent applications
Beglaryan, Robert; **Katerski, Atanas**; **Oja Acik, Ilona**; **Krunks, Malle** Graduate School of Functional Materials and Technology (GSFMT) Scientific Conference : abstracts 2022 / 9 l. Graduate School of Functional Materials and Technology (GSFMT) Scientific Conference 2022

Development of autonomous food dehydration system based on building integrated photovoltaic thermal technology
Yakobiuk, Dmytro; **Jagomägi, Andri**; **Yakobiuk, Iryna** Journal of Renewable and Sustainable Energy 2018 / art. 021002 https://doi.org/10.1063/1.5000230 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Development of band gap tuned CU2ZN(SN1–XGEX)S4 monograin powders
Mengü, Idil; **Grossberg-Kuusk, Maarja**; **Muska, Katri**; **Pilvet, Maris**; **Mikli, Valdek**; **Kaupmees, Reelika**; **Krustok, Jüri**; **Kauk-Kuusik, Marit** Graduate School of Functional Materials and Technology (GSFMT) Scientific Conference : abstracts 2022 / 39 l. Graduate School of Functional Materials and Technology (GSFMT) Scientific Conference 2022

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

Development of BI2S3 thin-film solar cells by close-spaced sublimation
Koltsov, Mykhailo; **Krautmann, Robert**; **Gopi, Sajeesh Vadakkedath**; **Hiie, Jaan**; **Krunks, Malle**; **Oja Acik, Ilona**; **Spalatu, Nicolae** Graduate School of Functional Materials and Technology (GSFMT) Scientific Conference : abstracts 2022 / 25 l. Graduate School of Functional Materials and Technology (GSFMT) Scientific Conference 2022

Development of bio-based nonwoven materials from post-consumer textile waste
Rahman, Md Toufiqur; Kaljus, Astri; **Plamus, Tiia** Baltic polymer symposium 2024 : book of abstracts 2024 / p. 65 https://doi.org/10.5755/e01.3030-1378.2024

Development of CdTe absorber layer for thin-film solar cells = CdTe absorberkile arendamine õhukesekilelistele päikesepatareidele
Spalatu, Nicolae 2017 https://digi.lib.ttu.ee/i/?7230 https://www.ester.ee/record=b4649791*est

Development of electrospun nanostructured electrochemical double-layer capacitor electrodes = Elektrilise kaksikkihi kondensaatori elektrokedratud nanostruktuursete elektroodide arendus
Malmberg, Siret 2021 https://digikogu.taltech.ee/et/Item/ab0b679b-f1a4-4f69-af49-949f7698e2fc https://www.ester.ee/record=b5451440*est https://doi.org/10.23658/taltech.39/2021

Development of hemp hurd particleboards from formaldehyde-free resins
Alao, Percy Festus; **Tobias, Micah Onyedikachi**; **Kallakas, Heikko**; **Poltimäe, Triinu**; **Kers, Jaan**; **Goljandin, Dmitri** 11th International Conference Biosystems Engineering : May 6-8, 2020 in Tartu, Estonia : book of abstracts [Võrguteavik] 2020 / p. 99 https://www.ester.ee/record=b5347289*est

Development of hemp hurd particleboards from formaldehyde-free resins
Alao, Percy Festus; **Tobias, Micah Onyedikachi**; **Kallakas, Heikko**; **Poltimäe, Triinu**; **Kers, Jaan**; **Goljandin, Dmitri** Agronomy research 2020 / p. 679–688 : ill https://doi.org/10.15159/AR.20.127 Journal metrics at Scopus Article at Scopus

Development of MIP sensors for antibiotics
Ayankojo, Akinrinade George; **Reut, Jekaterina**; **Öpik, Andres**; **Sõritski, Vitali** The 10th International Conference on Molecular Imprinting, Jerusalem, Israel, June 24-28, 2018 : [abstracts] 2018 / 1 p. : ill http://events.eventact.com/ProgramView2/Agenda/Lecture?id=175779&code=3608113

Development of oxidation technology in water treatment : pulsed corona discharge plasma combined with peroxocompounds = Oksüdatsioonitehnoloogia arendamine veepuhastuses : peroksoühenditega kombineeritud impulss koroona elektrilahendus
Nikitin, Dmitri 2024 https://www.ester.ee/record=b5693232*est https://doi.org/10.23658/taltech.38/2024 https://digikogu.taltech.ee/et/Item/9db5662a-18c4-4b91-b18c-52b55d227f0b

Development of photo-induced persulfate-based processes for efficient application in water treatment = Foto-indutseeritud persulfaadi-põhiste protsesside väljatöötamine efektiivseks rakendamiseks vee puhastamisel
Balpreet Kaur 2020 https://digikogu.taltech.ee/et/Item/f681dc13-dc11-4ad6-b728-aa232dfd8c59

Development of sb2se3 and sb2s3 solar cells by close-spaced sublimation
Krautmann, Robert; **Spalatu, Nicolae**; **Oja Acik, Ilona** GSFMT Scientific Conference 2023 : Tartu, 23-24 May, 2023 : abstracts 2023 https://fmtdk.ut.ee/programm-2023/

Development of Sb2Se3 and Sb2S3 thin film solar cells by close-spaced sublimation = Sb2Se3 ja Sb2S3 õhukesekileliste päikesepatareide arendamine lähidistants-sublimatsiooni meetodil
Krautmann, Robert 2023 https://doi.org/10.23658/taltech.41/2023 https://digikogu.taltech.ee/et/Item/e7e64926-5d49-40ad-8b3a-e225ea034f7d https://www.ester.ee/record=b5573313*est

Development of semi-transparent SbISI solar cells with fluorene-based compounds as hole transport materials = Poolläbipaistvate SbISI päikesepatareide arendus : fluoreenipõhised ühendid aukude transportkihi materjalina
Juneja, Nimish 2024 https://www.ester.ee/record=b5712253*est https://digikogu.taltech.ee/et/Item/f10c197f-3140-40cb-97c6-64a4670d4d1b https://doi.org/10.23658/taltech.68/2024

Development of silicon oxynitride nanocomposites with single-walled carbon nanotubes as protective coatings for solar cells = Üheseinaliste süsiniknanotorudega ränioksünitriidist nanokomposiitmaterjalide arendamine päikesepatareide kaitsekateteks
Shmagina, Elizaveta 2025 https://www.ester.ee/record=b5739646*est https://digikogu.taltech.ee/et/Item/5b38d0d4-d585-496f-b18e-de06aae6a6da https://doi.org/10.23658/taltech.20/2025

Development of spray pyrolysis-synthesised Bi2O3 thin films for photocatalytic applications
Sydorenko, Jekaterina; **Krunks, Malle**; **Katerski, Atanas**; Grzibovskis, Raitis; Vembris, Aivars; Mere, Arvo; **Spalatu, Nicolae**; **Oja Acik, Ilona** RSC advances 2024 / p. 19648-19657 https://doi.org/10.1039/D4RA02907K Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Development of spray-pyrolysis-synthesised TiOI thin films for photocatalytic degradation of volatile organic compounds in air = Pihustuspürolüüsiga sünteesitud TiOI õhukeste kilede väljatöötamine lenduvate orgaaniliste ühendite fotokatalüütiliseks lagundamiseks õhus
Sydorenko, Jekaterina 2023 https://doi.org/10.23658/taltech.6/2023 https://digikogu.taltech.ee/et/Item/56de388b-6916-458a-8db7-641bb9aca644 https://www.ester.ee/record=b5542586*est

Development of synthetic receptor-based sensors for detection of neurotrophic factor proteins
Kidakova, Anna; **Borozнjak, Roman**; **Reut, Jekaterina**; **Öpik, Andres**; **Sõritski, Vitali** Graduate Student Symposium on Molecular Imprinting 2019, Berlin, Germany, August 28-30, 2019 : Symposium Programme and Book of Abstracts 2019 / p. 31 https://drive.google.com/file/d/1zR0jNBFlayQ3AdKgX4YrCztpE00iSex-/view

Development of ZnO nanorod and NiO thin film based materials for photocatalytic applications = ZnO nanovarrastel ja NiO õhukestel kiledel baseeruvate fotokatalüütiliste materjalide arendus
Chen, Zengjun 2022 https://doi.org/10.23658/taltech.67/2022 https://digikogu.taltech.ee/et/Item/838942f1-9577-4109-b783-8c2b5ce8def3 https://www.ester.ee/record=b5526162*est

Development of ZNO nanorods and NIO film based photocatalysts by solution methods for degradation of dyes in aqueous solution
Chen, Zengjun; **Dedova, Tatjana**; **Krunks, Malle** Graduate School of Functional Materials and Technology (GSFMT) Scientific Conference : abstracts 2022 / 13 p Graduate School of Functional Materials and Technology (GSFMT) Scientific Conference 2022

Digitaalne sensorplatvorm meditsiiniliseks diagnostikaks ja keskkonnaseireks
Mente et Manu 2018 / lk. 34 : ill http://www.ester.ee/record=b1242496*est http://dea.digar.ee/publication/AKmenteetmanu https://www.ttu.ee/public/m/mente-et-manu/MM_05_2018/mobile/index.html https://artiklid.elnet.ee/record=b2868932*est

(Digital) Oxygen reduction reaction on waste tire derived carbon material and synthesized non-platinum group metal catalysts in alkaline solution
Laanemäe, Joel; Jäger, Rutha; Teppor, Patrick; **Volobujeva, Olga**; Lust, Enn ECS Meeting Abstracts 2022 / p. 39-47 : ill https://doi.org/10.1149/10807.0039ecst Journal metrics at Scopus Article at Scopus

Direct electrochemical sensing of ampicillin in aqueous media by a ruthenium oxide electrode decorated with a molecularly imprinted polymer
Nguyen, Vu Bao Chau; **Reut, Jekaterina**; **Ayankojo, Akinrinade George**; **Sõritski, Vitali** Talanta 2025 / art. 127580 https://doi.org/10.1016/j.talanta.2025.127580

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

Directly electrospun electrodes for electrical double-layer capacitors from carbide-derived carbon

Malmberg, Siret; Arulepp, Mati; **Savest, Natalja**; **Tarasova, Elvira**; **Vassiljeva, Viktoria**; **Krasnou, Illia**; **Käärik, Maike**; **Mikli, Valdek**; **Krumme, Andres** Journal of electrostatics 2020 / art. 103396, 7 p. : ill https://doi.org/10.1016/j.elstat.2019.103396 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Dissolution of rare earth elements from phosphate ore in hydrochloric acid
Hacialioglu-Erlenheim, Gizem; **Tõnsuaadu, Kaia**; **Urtson, Kristjan**; **Kallaste, Toivo**; **Trikkel, Andres** XIV International Mineral Processing and Recycling Conference : proceedings 2021 / p. 166-171 : ill
https://imprc.tfbor.bg.ac.rs/download/IMPRC_2021_Proceedings.pdf

Distribution of solar irradiance on inclined surfaces caused by moving clouds
Tomson, Teolan Theoretical and Applied Climatology 2016 / p. 1023 - 1031 https://doi.org/10.1007/s00704-015-1449-3 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Diverse and distinct bacterial community involved in a full-scale A/O1/H/O2 combination of bioreactors with simultaneous decarbonation and denitrogenation of coking wastewater
Zhu, Shuang; Deng, Jinsi; Jin, Xiaobao; Wu, Haizhen; Wei, Cong; Qiu, Guanglei; **Preis, Sergei**; Wei, Chaohai Environmental science and pollution research 2023 / p. 2103-2117 https://doi.org/10.1007/s11356-022-22103-y Journal metrics at Scopus Article at Scopus Article at WOS

Doktorant loob Kuu peal leiduvatest materjalidest päikesepaneele
Saar, Sandra novaator.err.ee 2024 Doktorant loob Kuu peal leiduvatest materjalidest päikesepaneele

Doktorant, tööturg ja karjääriplaneerimine. Millal, kuhu, kuidas?
Oja Acik, Ilona Mente et Manu 2017 / lk. 22-23 : fot https://artiklid.elnet.ee/record=b2830868*est

Doktorikraad materjalitehnoloogia valdkonnas aitab lahendada tekstiilijäätmete probleemi
Plamus, Tiia digi.geenius.ee 2024 Doktorikraad materjalitehnoloogia valdkonnas aitab lahendada tekstiilijäätmete probleemi

Doktoritöö uuris päikesepatarei töövõime ja eluea pikendamist
Mente et Manu 2022 / lk. 42-43 : fot https://www.ester.ee/record=b1242496*est

Dopant-free fluorene based dimers linked with thiophene units as prospective hole transport materials for Sb2S3 solar cells
Juneja, Nimish; Jegorove, Aiste; Grzibovskis, Raitis; **Katerski, Atanas**; Malinauskas, Tadas; Vembris, Aivars; Karazhanov, Smagul; **Spalatu, Nicolae**; Getautis, Vytautas; **Krunks, Malle**; **Oja Acik, Ilona** Sustainable Energy & Fuels 2024 / p. 4324-4334 https://doi.org/10.1039/D4SE00472H Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Doping and alloying of kesterites
Romanyuk, Yaroslav E.; Haass, Stefan G.; Giraldo, Sergio; **Kauk-Kuusik, Marit** Journal of Physics Energy 2019 / art. 044004, 22 p. : ill https://doi.org/10.1088/2515-7655/ab23bc

Dual ELISA using SARS-CoV-2 N protein produced in E. coli and CHO cells reveals epitope masking by N-glycosylation
Rump, Airi; **Risti, Robert**; Kristal, Mai-Ly; **Reut, Jekaterina**; **Sõritski, Vitali**; **Lõokene, Aivar**; **Rüütel Boudinot, Sirje** Biochemical and biophysical research communications 2021 / p. 457−460 https://doi.org/10.1016/j.bbrc.2020.11.060 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Economic pulse electrodeposition for flexible CuInSe(2)solar cells
Mandati, Sreekanth; Misra, Prashant; Boosagulla, Divya; Rao, Tata Naransinga; Sarada, Bulusu V. Materials for renewable and sustainable energy 2020 / art. 19, 6 p. : ill https://doi.org/10.1007/s40243-020-00177-3

Ecotoxicity of nanosized magnetite to crustaceanDaphnia magna and duckweed Lemna minor
Blinova, Irina; **Kanarbik, Liina**; Irha, Natalja; Kahru, Anne Hydrobiologia 2017 / p. 141-149 : ill https://doi.org/10.1007/s10750-015-2540-6 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Ecotoxicological evaluation of shale fuel oils, metal-based nanoparticles and glyphosate formulations = Põlevkivikütteõlide, metalliliste nanoosakeste ja glüfosaadipõhiste herbitsiidide ökotoksikoloogilised uuringud
Kanarbik, Liina 2017 https://digi.lib.ttu.ee/i/?7180 https://www.ester.ee/record=b4649796*est

EDLC durable electrodes and capacitor for high frequency applications
Malmberg, Siret; **Tarasova, Elvira**; **Vassiljeva, Viktoria**; **Krasnou, Illia**; Arulepp, Mati; **Krumme, Andres** SPCD 2018 : 3rd Space Passive Components Days International Symposium, Noordwijk, Netherlands, 9-12 October 2018 2018 / 10 p. : ill https://passive-components.eu/edlc-durable-electrodes-and-capacitor-for-high-frequency-applications/

Eessõna
Kuusik, Rein, keemik 30 aastat Eesti Meestelaulu Seltsi Tallinna Meeskoori : 1989-2019 2019 / lk. 4-5 : fot
https://www.ester.ee/record=b5280542*est

Eesti fosforiidi säästlik väärindamine : [RITA MAARE projekti aruanne]
2020 https://fond.egt.ee/fond/egf/9405

Eesti teadlased aitavad Kuu peal elektrit toota
tehnika.postimees.ee 2022 Eesti teadlased aitavad...

Eesti teadlased sillutavad teed Kuul päikeseenergia tootmiseks
postimees.ee 2025 https://teadus.postimees.ee/8196384/eesti-teadlased-sillutavad-teed-kuul-paikeseenergia-tootmiseks

Eesti teadlased tahavad aidata Kuul elektrit toota
Imeline Teadus 2021 / lk. 23 : fot https://www.ester.ee/record=b2747925*est

Eesti teadlaste loodud meetod aitab puhastada vett antibiootikumijääkidest [Võrguväljaanne]
Dulova, Niina novaator.err.ee 2020 / fot teadlaste loodud meetod aitab puhastada vett antibiootikumijääkidest

Eesti teadlaste osalusel arendatud päikesepaneele saab teha odavatest ja maakoores laialt levinud materjalidest
Kauk-Kuusik, Marit toostusuudised.ee 2025 Eesti teadlaste osalusel arendatud päikesepaneele saab teha odavatest ja maakoores laialt levinud materjalidest

Eesti tööstusdoktorant leidis kestliku teksakanga valemi
Harrik, Airika novaator.err.ee 2023 Eesti tööstusdoktorant leidis kestliku teksakanga valemi https://www.ester.ee/record=b5568904*est

Eesti uue tudengisatelliidi nimi on SUTS
Imeline Teadus 2024 / lk. 20 : fot https://www.ester.ee/record=b2747925*est

Eestil on vaja materjalitehnolooge, kes rohepöörde päriselt ellu viiksid!
Kers, Jaan delfi.ee 2024 https://arileht.delfi.ee/artikkel/120297193/eestil-on-vaja-materjalitehnolooge-kes-rohepoorde-pariselt-ellu-viiksid

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

Effect of alkali ions (Na+, K+, Cs+) on reaction mechanism of CZTS nano-particles synthesis
Kumar, Suresh; **Altosaar, Mare**; **Grossberg, Maarja**; **Mikli, Valdek** Superlattices and microstructures 2018 / p. 54-63 : ill https://doi.org/10.1016/j.spmi.2018.02.019

Effect of alkali ions (Na+, K+, Cs+) on reaction mechanism of CZTS nano-particles synthesis [Online resource]
Kumar, Suresh; **Altosaar, Mare**; **Grossberg, Maarja**; **Mikli, Valdek** Tartu Ülikooli ASTRA projekt PER ASPERA : Funktsionaalsed materjalid ja tehnoloogiad : [7-8 märtsil 2018, Tallinn : teesid] GSFMT Scientific Conference 2018 : Tallinn, March 7-8, 2018 : abstracts 2018 / 1 p http://fmtdk.ut.ee/teesid-2018/

Effect of birch false heartwood on the physical and mechanical properties of wood-plastic composites [Online resource]
Kallakas, Heikko; **Martin, Mihkel**; **Ayansola, Gbenga**; **Poltimäe, Triinu**; **Krumme, Andres**; **Kers, Jaan** Tartu Ülikooli ASTRA projekt PER ASPERA : Funktsionaalsed materjalid ja tehnoloogiad : [7-8 märtsil 2018, Tallinn : teesid] GSFMT Scientific Conference 2018 : Tallinn, March 7-8, 2018 : abstracts 2018 / 1 p http://fmtdk.ut.ee/teesid-2018/

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

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

Effect of different hardwood species and lay-up schemes on the mechanical properties of plywood
Kallakas, Heikko; **Rohumaa, Anti**; **Vahermets, Harti**; **Kers, Jaan** Forests 2020 / art. 649, 13 p. : ill https://doi.org/10.3390/f11060649 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 erodent particle impact energy on wear of cemented carbides
Antonov, Maksim; Yung, Der-Liang; **Goljandin, Dmitri**; **Mikli, Valdek**; **Hussainova, Irina** Wear 2017 / p. 507-515 : ill

https://doi.org/10.1016/j.wear.2016.11.032 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Effect of eutrophication on toxicity of metallic nanoparticles todaphnia magna [Online resource]
Muna, Marge; Heinlaan, Margit; Blinova, Irina; Kahru, Anne Tartu Ülikooli ASTRA projekt PER ASPERA : Funktsionaalsed materjalid ja tehnoloogiad : [7-8 märtsil 2018, Tallinn : teesid] GSFMT Scientific Conference 2018 : Tallinn, March 7-8, 2018 : abstracts 2018 / 1 p http://fmtdk.ut.ee/teesid-2018/

Effect of fibre content, structural parameters, and laser fading on durability and aesthetic properties of multicomponent denim fabric = Kiulise koostise, struktuuri parameetrite ja laserkulutuse mõju mitmekomponentse teksakanga vastupidavusele ja esteetilistele omadustele
Mandre, Nele 2023 https://doi.org/10.23658/taltech.30/2023 https://digikogu.taltech.ee/et/Item/c19f3da7-7f69-4fa9-ab59-057adf1fdd33 https://www.ester.ee/record=b5568904*est

Effect of flotation time and collector dosage on Estonian phosphorite beneficiation
Tamm, Kadriann; **Zadeh, Zeinab Arab**; **Kuusik, Rein, keemik**; **Kallas, Juha**; Yang, Jason; **Tõnsuaadu, Kaia**; **Trikkel, Andres** Minerals 2021 / art. 114 https://doi.org/10.3390/min11020114 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

Effect of green co-solvents on properties and synthesis of cellulose esters in superbase ionic liquid
Tarasova, Elvira; **Savale, Nutan Bharat**; **Trifonova, Lada**; **Krasnou, Illia**; Reile, Indrek; **Kudrjašova, Marina**; **Mere, Arvo**; **Kaljuvee, Tiit**; **Mikli, Valdek**; Sedrik, Rauno; **Krumme, Andres** Cellulose 2024 / p. 4911-4927 https://doi.org/10.1007/s10570-024-05920-x Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

The effect of hardwood veneer densification on plywood density, surface hardness, and screw withdrawal capacity
Kallakas, Heikko; **Kallakas, Heikko**; **Akkurt, Tolgay**; **Akkurt, Tolgay**; Scharf, Alexander; Scharf, Alexander; **Mühls, Fred**; **Mühls, Fred**; **Rohumaa, Anti**; **Rohumaa, Anti**; **Kers, Jaan**; **Kers, Jaan** Forests 2024 / art. 1275 https://doi.org/10.3390/f15071275 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

Effect of hemp fibre length on the properties of polypropylene composites
Alao, Percy Festus; **Kallakas, Heikko**; **Poltimäe, Triinu**; **Kers, Jaan** Agronomy research 2019 / p. 1517–1531 : ill https://doi.org/10.15159/AR.19.146 Journal metrics at Scopus Article at Scopus

Effect of hemp fibre length on the properties of polypropylene composites [Online resource]
Alao, Percy Festus; **Kallakas, Heikko**; **Kers, Jaan** Tartu Ülikooli ASTRA projekt PER ASPERA : Funktsionaalsed materjalid ja tehnoloogiad : [4.-5. veebruar, 2019, Tartu : teesid] 2019 / 1 p.: ill http://fmtdk.ut.ee/teesid-2019/

The effect of ionic liquids on the mechanical properties of electrospun polyacrylonitrile membranes
Plamus, Tiia; **Savest, Natalja**; **Viirsalu, Mihkel**; Harz, Patrick; **Tarasova, Elvira**; **Krasnou, Illia**; **Vassiljeva, Viktoria**; **Kallavus, Urve**; **Krumme, Andres** Polymer testing 2018 / p. 335-343 : ill https://doi.org/10.1016/j.polymertesting.2018.09.003 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Effect of laser heat treatment on AlxTi1-xN-based PVD coatings, deposited on carbon and tool steel substrates
Surženkov, Andrei; **Viljus, Mart**; **Antonov, Maksim**; **Kübarsepp, Jakob**; **Juhani, Kristjan**; **Kulu, Priit**; **Vagiström, Heinar**; Jankauskas, Vytenis; Leišys, Rimtautas; Bendikiene, Regita; Adoberg, Eron; Peetsalu, Priidu; **Mere, Arvo**; **Gregor, Andre** Surface and coatings technology 2022 / art. 128771 https://doi.org/10.1016/j.surfcoat.2022.128771 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Effect of lignin on veneer densification and set-recovery
Kilumets, Catherine; **Kallakas, Heikko**; Ralph, Sally; Zhu, J. Y.; Hunt, Christopher Glaab; **Rohumaa, Anti**; **Kers, Jaan** Construction and building materials 2024 / art. 138795 https://doi.org/10.1016/j.conbuildmat.2024.138795

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

Effect of ozone on photocatalytic oxidation of acetone and toluene vapours in continuous multi-section reactor

Kask, Maarja; **Bolobajev, Juri**; **Kritševskaja, Marina** 6th European Conference on Environmetal Applications of Advanced Oxidation Processes, Portorož - Portorose, Slovenia, 26-30 June 2019 : book of abstracts 2019 / p. 657

Effect of ozone on photocatalytic oxidation of acetone vapour [Online resource]
Kask, Maarja; **Bolobajev, Juri**; **Kritševskaja, Marina** Tartu Ülikooli ASTRA projekt PER ASPERA : Funktsionaalsed materjalid ja tehnoloogiad : [4.-5. veebr. 2019, Tartu : teesid] 2019 / 1 p http://fmtdk.ut.ee/teesid-2019/

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

Effect of process parameters on strength and carbonation of engineered building materials by calcium rich alkali wastes
Usta, Mustafa Cem; **Yörük, Can Rüstü**; **Gregor, Andre**; **Hain, Tiina**; **Uibu, Mai**; **Trikkel, Andres** GSFMT Scientific Conference 2021 : Tartu, June 14-15, 2021 : abstracts 2021 / P 40 https://fmtdk.ut.ee/wp-content/uploads/2021/06/GSFMT_abstractbook_2021.pdf

Effect of protein surface hydrophobicity and surface amines on soy adhesive strength
Kallakas, Heikko; Plaza, Nayomi; Crooks, Casey; Turner, Derek; Gargulak, Mathew; Arvanitis, Matthew A.; Frihart, Charles R.; Hunt, Christopher G. Polymers 2024 / art. 202 https://doi.org/10.3390/polym16020202 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

The effect of recycled fibre type on the properties of nonwoven materials made from post-consumer textile waste
Worth, Katre; **Rahman, Md Toufiqur**; **Plamus, Tiia** Baltic Polymer Symposium 2024 : 22nd International Scientific Conference, September 17-19, 2024, Birštonas, Lithuania : Book of abstracts 2024 / p. 67 https://doi.org/10.5755/e01.3030-1378.2024

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

Effect of Zr doping on the structural and electrical properties of spray deposited TiO2 thin films
Oluwabi, Abayomi Titilope; Juma, Albert Owino; **Oja Acik, Ilona**; **Mere, Arvo**; **Krunks, Malle** Proceedings of the Estonian Academy of Sciences 2018 / p. 147–157 : ill https://doi.org/10.3176/proc.2018.2.05 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

Effect of the substrate surface on properties of RF sputtered magnetronantimony selenide (Sb2Se3) for thin-films
Uslu, Mehmet Ender; **Grossberg, Maarja**; **Volobujeva, Olga** GSFMT Scientific Conference 2020 : Tallinn, February 4-5, 2020 : abstracts 2020 / p. 86 http://fmtdk.ut.ee/wp-content/uploads/2020/01/GSFMT2020.pdf

Effect of the thickness on the electrical and optical properties of ZN(O,Se) layers prepared by PLD
Abdalla, Akram; **Bereznev, Sergei** GSFMT Scientific Conference 2020 : Tallinn, February 4-5, 2020 : abstracts 2020 / p. 10 http://fmtdk.ut.ee/wp-content/uploads/2020/01/GSFMT2020.pdf

Effect of the titanium isopropoxide : acetylacetone molar ratio on the photocatalytic activity of TiO2 thin films
Spiridonova, Jekaterina; **Katerski, Atanas**; **Danilson, Mati**; **Kritševskaja, Marina**; **Krunks, Malle**; **Oja Acik, Ilona** Molecules 2019 / art. 4326, 14 p. : ill https://doi.org/10.3390/molecules24234326 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Effect of the titanium isopropoxide : acetylacetone molar ratio on the photocatalytic activity of TiO2 thin films : [conference paper]
Spiridonova, Jekaterina; **Katerski, Atanas**; **Danilson, Mati**; **Kritševskaja, Marina**; **Krunks, Malle**; **Oja Acik, Ilona** GSFMT Scientific Conference 2020 : Tallinn, February 4-5, 2020 : abstracts 2020 / p. 78 http://fmtdk.ut.ee/wp-content/uploads/2020/01/GSFMT2020.pdf

The effect of tin doping on the band structure and optical properties of polycrystalline antimony selenide

Uslu, Mehmet Ender; **Danilson, Mati**; **Timmo, Kristi**; **Grossberg-Kuusk, Maarja** Physica B : condensed matter 2024 / art. 415744 https://doi.org/10.1016/j.physb.2024.415744 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Effect of ultrasonic treatment on the defect structure of the Si-SiO2 system
Kropman, Daniel; Seeman, Viktor; Dolgov, Sergei; Medvids, Arturs Physica Status Solidi (C) Current Topics in Solid State Physics 2016 / p. 793 - 797 https://doi.org/10.1002/pssc.201600052 Journal metrics at Scopus Article at Scopus Article at WOS

Effective electrical conductivity of carbon nanotube–epoxy nanocomposites
Kulakov, Vladimir; Aniskevich, Andrey; Ivanov, Sergey; **Poltimäe, Triinu**; Starkova, Olesja Journal of composite materials 2017 / p. 2979-2988 : ill https://doi.org/10.1177/0021998316678304 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Effective Wood Veneer Densification by Optimizing Key Parameters : Temperature, Equilibrium Moisture Content, and Pressure
Akkurt, Tolgay; **Rohumaa, Anti**; **Kers, Jaan** Forests 2025 / 14 p. : ill https://doi.org/10.3390/f16060969

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

Effects of persulfate and hydrogen peroxide on oxidation of oxalate by pulsed corona discharge treatment
Tikker, Priit; **Dulova, Niina**; Kornev, Iakov; **Preis, Sergei** GSFMT Scientific Conference 2021 : Tartu, June 14-15, 2021 : abstracts 2021 / O 11 http://fmtdk.ut.ee/wp-content/uploads/2021/06/GSFMT_abstractbook_2021.pdf

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

Efficient barrier properties of mechanically enhanced agro-extracted cellulosic biocomposites
Qasim, Umair; Fatima, R.; Usman, M. Materials today chemistry 2020 / art. 100378, 8 p. : ill https://doi.org/10.1016/j.mtchem.2020.100378

Efficient defect-driven cation exchange beyond the nanoscale semiconductors toward antibacterial functionalization
Polivtseva, Svetlana; **Volobujeva, Olga**; **Kuznietsov, Ivan**; **Kaupmees, Reelika**; **Danilson, Mati**; **Krustok, Jüri**; Molaiyan, Palanivel; Hu, Tao; Lassi, Ulla; **Klopov, Mihhail**; van Gog, Heleen; van Huis, Marijn A.; Kaur, Harleen; Ivask, Angela; Rosenberg, Merilin; Gathergood, Nicholas; Ni, Chaoying; **Grossberg-Kuusk, Maarja** ACS applied materials & interfaces 2024 / p. 62871-62882 https://doi.org/10.1021/acsami.4c11425

Efficient photoelectrocatalytic degradation of amoxicillin using nano-TiO2 photoanode thin films : a comparative study with photocatalytic and electrocatalytic methods
Alaydaroos, Alia Husain; **Sydorenko, Jekaterina**; Palanisamy, Selvakumar; Chiesa, Matteo; Al Hajri, Ebrahim Chemosphere 2023 / art. 139629 https://doi.org/10.1016/j.chemosphere.2023.139629 Journal metrics at Scopus Article at Scopus

Ei saa me ilma Päikeseta
Grossberg-Kuusk, Maarja Sirp 2025 / lk. 10-11 : fot https://sirp.ee/s1-artiklid/c21-teadus/ei-saa-me-ilma-paikeseta/

Electric properties of anorthite ceramics prepared from illitic clay and oil shale ash
Csaki, Štefan; Štubna, Igor; **Kaljuvee, Tiit**; Dobron, Patrik; Lukač, František; Trnik, Anton Journal of materials research and technology 2022 / p. 4164-4173 https://doi.org/10.1016/j.jmrt.2022.11.030 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Electric sail test cube–lunar nanospacecraft, ESTCube-LuNa : solar wind propulsion demonstration mission concept
Slavinskis, Andris; Palos, Mario F.; Dalbins, Janis; Janhunen, Pekka; Tajmar, Martin; Ivchenko, Nickolay; Rohtsalu, Agnes; Micciani, Aldo; Orsini, Nicola; Moor, Karl Mattias; **Kristmann, Katriin** Aerospace 2024 / art. 230 https://doi.org/10.3390/aerospace11030230

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

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

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

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

Electrochemical detection of brain-derived neurotrophic factor by molecularly-imprinted polymer on screen-printed electrode
Kidakova, Anna; **Borozniak, Roman**; **Reut, Jekaterina**; **Öpik, Andres**; **Sõritski, Vitali** The 10th International Conference on Molecular Imprinting, Jerusalem, Israel, June 24-28, 2018 : [abstracts] 2018 / 1 p. : ill https://events.eventact.com/programview2/Agenda/Lecture/175959?code=3635110

Electrochemical evaluation of directly electrospun carbide-derived carbon-based electrodes in different nonaqueous electrolytes for energy storage applications
Malmberg, Siret; Arulepp, Mati; **Tarasova, Elvira**; **Vassiljeva, Viktoria**; **Krasnou, Illia**; **Krumme, Andres** C – journal of carbon research 2020 / art. 59, 16 p. : ill https://doi.org/10.3390/c6040059

Electrochemical merits of selective laser melted Mo/MoS2 composite in aqueous solutions
Alinejadian, Navid; Kazemi, Sayed Habib; **Kollo, Lauri**; **Grossberg-Kuusk, Maarja**; Odnevall, Inger Charlotta; **Prashanth, Konda Gokuldoss** Graduate School of Functional Materials and Technology (GSFMT) Scientific Conference : abstracts 2022 / 7 l. Graduate School of Functional Materials and Technology (GSFMT) Scientific Conference 2022

Electrochemical Reduction of Oxygen on Platinum-Modified Carbon Materials = Elektrokeemiline hapniku redutseerumine plaatinaga modifitseeritud süsinikmaterjalidel
Najafli, Erkin 2025 https://digikogu.taltech.ee/et/Item/2da3885d-1ab1-4847-8647-ab7629641de8 https://www.ester.ee/record=b5746298*est https://doi.org/10.23658/taltech.33/2025

Electrochemical sensing of clinically relevant proteins by molecularly imprinted polymer-modified electrodes
Sõritski, Vitali 11th international workshop on surface modification for chemical and biochemical sensing : program and the book of abstracts 2023 / p. 120 https://www.smcbs.pl/_ftp/book_of_abstracts/Book_of_Abstracts,_SMCBS_2023.pdf

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

Electrochemical sensor based on moleculary imprinted polymers for label-free detection of neurotrophic factor protein [Online resource]
Kidakova, Anna; **Sõritski, Vitali**; **Reut, Jekaterina**; **Öpik, Andres** Tartu Ülikooli ASTRA projekt PER ASPERA : Funktsionaalsed materjalid ja tehnoloogiad : [4.-5. veebr. 2019, Tartu : teesid] 2019 / 1 p http://fmtdk.ut.ee/teesid-2019/

Electrochemically synthesized MIP sensors : applications in healthcare diagnostics
Ayankojo, Akinrinade George; **Reut, Jekaterina**; **Sõritski, Vitali** Biosensors 2024 / art. 71 https://doi.org/10.3390/bios14020071 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Electrochemically synthesized MIPs for sensor applications in healthcare diagnostics
Ayankojo, Akinrinade George; **Reut, Jekaterina**; **Sõritski, Vitali** Molecularly imprinted polymers : Computational studies to advanced applications 2025 / p. 167-197 https://doi.org/10.1007/978-3-031-67368-9_6

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

Electrodeposited chalcopyrite CuInGaSe2 absorbers for solar energy harvesting
Mandati, Sreekanth; Sarada, Bulusu V. Materials science for energy technologies 2020 / p. 440-445 : ill https://doi.org/10.1016/j.mset.2020.03.001

Electrodeposited molybdenum oxide coatings for thin film chalcopyrite solar cells
Ganchev, Maxim; Dimitrov, Dimiter; Stankova, Stanka; **Katerski, Atanas**; Gadjov, Iliya; **Volobujeva, Olga**; **Mere, Arvo**; **Bereznev, Sergei**; **Krunks, Malle** 10th Jubilee Conference of the Balkan Physical Union 2019 / art. 140002 https://doi.org/10.1063/1.5091317 Conference proceedings at Scopus Article at Scopus Article at WOS

Electrodeposited nanostructured CdSe/CdS matrix for hybrid solar cells [Online resource]
Maricheva, Jelena; **Bereznev, Sergei**; **Maticiuc, Natalia**; **Volobujeva, Olga**; **Kois, Julia** Tartu Ülikooli ASTRA projekt PER ASPERA : Funktsionaalsed materjalid ja tehnoloogiad : [7-8 märts 2017, Tartu : teesid] 2017 / [1] p. : ill http://fmtdk.ut.ee/teesid/

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

Electrodeposition of cadmium chalcogenide films for hybrid solar cells = Kaadmiumkalkogeniidkilede elektrokeemiline sadestamine kasutamiseks hübriid-päikesepatareides
Maricheva, Jelena 2017 http://www.ester.ee/record=b4747305*est https://digi.lib.ttu.ee/i/?9117

Electrolytic phenomena in sodium chloride solutions treated in gas-phase pulsed corona discharge reactor
Kuntus, Liina; **Preis, Sergei**; Kornev, Iakov 6th European Conference on Environmetal Applications of Advanced Oxidation Processes, Portorož - Portorose, Slovenia, 26-30 June 2019 : book of abstracts 2019 / p. 659

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

Electrospinning and characterization of continuous piezoelectric nanofibrous yarns
Viirsalu, Mihkel NART 2019 : Nanofibers, Applications and Related Technologies : September 18-September 20, 2019, Liberec, Czech Republic : conference proceedings 2019 / p. 28

Electrospinning of a polymer membrane reinforced with carbon nanotubes = Süsinik nanotorudega tugevdatud polümeerse membraani elektroketrus
Vassiljeva, Viktoria 2017 https://digi.lib.ttu.ee/i/?9129 https://www.ester.ee/record=b4750923*est

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

Electrospinning of nanofibrous composites with cellulose acetate, ionic liquids and graphene oxide = Tselluloosatsetaadi, ioonsete vedelike ja grafeenoksiidi nanokiuliste komposiitide elektroketrus
Javed, Kashif 2019 https://digi.lib.ttu.ee/i/?12424

Electrospinning polyvinyl alcohol reinforced with chitin: The effect of the degree of acetylation
Krumme, Andres; Mendez, James D. Polymers 2024 / art. 1955 https://doi.org/10.3390/polym16141955 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 conductive mats from PANi-ionic liquid blends
Savest, Natalja; **Plamus, Tiia**; Kütt, Kertu; **Kallavus, Urve**; **Viirsalu, Mihkel**; **Tarasova, Elvira**; **Vassiljeva, Viktoria**; **Krasnou, Illia**; **Krumme, Andres** Journal of electrostatics 2018 / p. 40-44 https://doi.org/10.1016/j.elstat.2018.09.007 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Electrospun conductive membranes from Pani-Ionic liquid blends [Online resource]
Plamus, Tiia; **Savest, Natalja**; **Kallavus, Urve**; Krumme, Andres Tartu Ülikooli ASTRA projekt PER ASPERA : Funktsionaalsed materjalid ja tehnoloogiad : [7.-8. märtsil 2018, Tallinn : teesid] GSFMT Scientific Conference 2018 : Tallinn, March 7-8, 2018 : abstracts 2018 / 1 p http://fmtdk.ut.ee/teesid-2018/

Electrospun fibrous materials with propolis extracts for edible food packagings
Zelca, Zane; Merijs-Meri, Remo; **Krumme, Andres**; Bernava, Aina Molecules 2023 / art. 5497 https://doi.org/10.3390/molecules28145497 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Electrospun materials in triboelectric series
Savest, Natalja; **Krasnou, Illia**; **Krumme, Andres**; Dobryden, I.; Hakansson, K.; Edberg, J. Baltic Polymer Symposium, BPS2023 : programme and abstracts 2023 / p. 72 Baltic Polymer Symposium, BPS2023 : programme and abstracts

Electrospun nanofibrous materials for energy storage and harvesting
Krasnou, Illia; **Plamus, Tiia**; **Vassiljeva, Viktoria**; **Malmberg, Siret**; **Tarasova, Elvira**; **Krumme, Andres** Baltic Polymer Symposium 2019 : Vilnius, Lithuania, 18-20 September 2019 : programme and proceedings 2019 / p. 27 : ill Molecularly imprinted polymers

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

Elektrokedratud kiud
Krumme, Andres Horisont 2021 / lk. 14-15 : fot https://www.ester.ee/record=b1072243*est

Elemental composition and structural characteristics of as-received TriTaniumTM orthodontic archwire
Ilievska, I.; Petrov, V.; Mihailov, V.; Karatodorov, S.; Andreeva, L.; Zaleski, A.; **Mikli, Valdek**; Gueorgieva, M.; Petrova, V. 20th International Summer School on Vacuum, Electron and Ion Technologies (VEIT 2017), 25-29 September 2017, Sozopol, Bulgaria 2018 / art. 012036, 5 p. : ill https://doi.org/10.1088/1742-6596/992/1/012036 Journal metrics Conference proceeding at Scopus Article at Scopus Article at WOS

Elemental composition and structural characteristics of Bio-active™ orthodontic archwire
Stoyanova-Ivanova, Angelina K.; Mihailov, V.; Georgiev, Velizar; Georgieva, Mirela; Petrov, Valeri G.; Andreeva, Laura A.; Petrova, N.L.; **Mikli, Valdek** 23rd International Summer School on Vacuum, Electron and Ion Technologies 2023 : 18/09/2023-22/09/2023, Sozopol, Bulgaria 2024 / 5 p., art. 012029 https://doi.org/10.1088/1742-6596/2710/1/012029 Article at Scopus Conference proceedings at Scopus

Elements distribution between solid and liquid phases in hydrochloric acid treatment of phosphate ore
Hacialioglu-Erlenheim, Gizem; **Tõnsuaadu, Kaia**; **Urtson, Kristjan**; **Kallaste, Toivo**; **Trikkel, Andres** GSFMT Scientific Conference 2021 : Tartu, June 14-15, 2021 : abstracts 2021 / P 54 https://fmtdk.ut.ee/wp-content/uploads/2021/06/GSFMT_abstractbook_2021.pdf

Elule lähendamise programm viis otse elu keskele
Kuusik, Rein, keemik Mente et Manu 2018 / lk. 26 : fot http://www.ester.ee/record=b1242496*est http://dea.digar.ee/publication/AKmenteetmanu https://artiklid.elnet.ee/record=b2865217*est

EMI-transparent SB2S3 solar cells with fluorene-based enamine as hole transport material
Juneja, Nimish; **Mandati, Sreekanth**; Daskeviciute-Geguziene, Sarune; Vembris, Aivars; Getautis, Vytautas; **Krunks, Malle**; **Oja Acik, Ilona** Graduate School of Functional Materials and Technology (GSFMT) Scientific Conference : abstracts 2022 / 21 l. Graduate School of Functional Materials and Technology (GSFMT) Scientific Conference 2022

Employment of dopant-free fluorene-based enamines as innovative hole transport materials to boost the transparency and performance of Sb2S3 based solar cells
Juneja, Nimish; Daskeviciute-Geguziene, Sarune; **Spalatu, Nicolae**; **Mandati, Sreekanth**; **Katerski, Atanas**; Grzibovskis, Raitis; Vembris, Aivars; Karazhanov, Smagul; Getautis, Vytautas; **Krunks, Malle**; **Oja Acik, Ilona** Materials science in semiconductor processing 2024 / art. 107934 https://doi.org/10.1016/j.mssp.2023.107934

Energiaefektiivne õhupuhasti hoiab toa sooja ja õhu kvaliteetse
Preis, Sergei Mente et Manu 2021 / lk. 47 : fot Mente et Manu 1/2021 https://www.ester.ee/record=b1242496*est

Energiat tootev teekatend nüüd ka Eestis
Jalakas, Tanel; **Chub, Andrii**; **Vinnikov, Dmitri**; **Spalatu, Nicolae**; Gudkova, Viktoria; **Krunks, Malle**; **Mere, Arvo**; **Lahi, Allan**; Lindvest, Andre Elektriala 2023 / lk. 14-16 : portr., fot https://www.ester.ee/record=b1240496*est

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

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 grain orientation in Sb2Se3 thin films deposited on Mo/BSG substrates via RF-sputtering and selenization
Uslu, Mehmet Ender; **Muska, Katri**; **Pilvet, Maris**; **Bereznev, Sergei**; **Mikli, Valdek**; **Kauk-Kuusik, Marit**; **Grossberg-Kuusk, Maarja** Materials science in semiconductor processing 2024 / art. 108835 https://doi.org/10.1016/j.mssp.2024.108835

Enhanced photocatalytic activity of chemically deposited ZnO nanowires using doping and annealing strategies for water remediation
Gaffuri, Pierre; **Dedova, Tatjana**; Appert, Estelle; **Danilson, Mati**; **Oja Acik, Ilona** Applied surface science 2022 / art. 152323 https://doi.org/10.1016/j.apsusc.2021.152323 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

Enhanced sustainability of aerated building blocks: Utilization of accelerated carbonation and oil shale ash in cement composites
Thomas, Adheena; **Yörük, Can Rüstü**; **Pantšenko, Nata-Ly**; **Hain, Tiina**; **Uibu, Mai**; **Trikkel, Andres** Book of abstracts of 2nd Central and Eastern European Conference on Physical Chemistry & Material Science (CEEC-PCMS2) 2024 / p. 35-36 https://doi.org/10.5755/e01.9786090218693

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

Enhancing binding properties of imprinted polymers for the detection of small molecules
Ayankojo, Akinrinade George; **Reut, Jekaterina**; **Öpik, Andres**; **Tretjakov, Aleksei**; **Sõritski, Vitali** Proceedings of the Estonian Academy of Sciences 2018 / p. 138–146 : ill https://doi.org/10.3176/proc.2018.2.04 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Enhancing NIR emission in ZnAl2O4:Nd,Ce nanofibers by co-doping with Ce and Nd: a promising biomarker material with low cytotoxicity
Rojas Hernandez, Rocio Estefania; Rubio-Marcos, Fernando; Gorni, Giulio; Marini, Carlo; **Danilson, Mati**; Pascual, Laura; Ichikawa, Rodrigo Uchida; **Hussainova, Irina**; Fernandez, Jose Francisco Journal of materials chemistry C 2021 / p. 657-670 : ill https://doi.org/10.1039/D0TC04752J Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Enhancing the bending strength, load-carrying capacity and material efficiency of aspen and black alder plywood through thermo-mechanical densification of face veneers
Akkurt, Tolgay; **Rohumaa, Anti**; **Kallakas, Heikko**; Scharf, Alexander; **Kers, Jaan** Construction and building materials 2024 / art. 138555 https://doi.org/10.1016/j.conbuildmat.2024.138555

Enne netist tellitud riiete kandmist tasub uurida nende värvi ja lõhna
novaator.err.ee 2025 https://novaator.err.ee/1609722717/enne-netist-tellitud-riiete-kandmist-tasub-uurida-nende-varvi-ja-lohna

Environmental effects of soil contamination by shale fuel oils
Kanarbik, Liina; Blinova, Irina; Sihtmäe, Mariliis; Künnis-Beres, Kai; Kahru, Anne Environmental science and pollution research 2014 / p. 11320-11330 : ill https://doi.org/10.1007/s11356-014-3043-0 Journal metrics at Scopus Article at Scopus Article at WOS

Environmental impact of alternative red mud utilization for metal extraction
Vitvarova, Monika; Novacek, David; Barreneche, Camila; Svobodova, Adela; Nazir, Shareq; Souza, Pedro; Koci, Vladimir; Karaca, Arif; **Preis, Sergei** SETAC Europe 34th Annual Meeting : "Science-Based Solutions in Times of Crisis : Integrating Science and Policy for Environmental Challenges" : book of abstracts 2024 / abs.: 5.04.P-Tu504 https://setac.confex.com/setac/europe2024/meetingapp.cgi/Paper/23388

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

Estonian phosphate rock dissolution in hydrochloric acid : optimization of acid dosage and concentration
Tõnsuaadu, Kaia; **Kallas, Juha**; **Kallaste, Toivo**; **Urtson, Kristjan**; **Einard, Marve**; **Martin, Rasmus**; **Kuusik; Rein**; **Trikkel, Andres** Minerals 2023 / art. 578 https://doi.org/10.3390/min13040578 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Estonian student satellite Hämarik source of valuable lessons
news.err.ee 2024 Estonian student satellite Hämarik source of valuable lessons

Ettekandele järgnenud arutelu : [Eesti Energia juhatuse esimehe Hanno Sutteri ettekandele "Eesti energiamajanduse kümne aasta väljavaade", peetud Eesti Teaduste Akadeemia üldkogul 7. detsembril 2922]
Saari, Peeter; Sutter, Hando; **Kurnitski, Jarek**; **Grossberg-Kuusk, Maarja** Eesti Teaduste Akadeemia sõnas ja pildis 2022 2023 / lk. 55-57 https://www.ester.ee/record=b5054043*est

Evaluation of Estonian phosphate rock by flotation
Yang, Xiaosheng; **Tamm, Kadriann**; **Piir, Indrek**; **Kuusik, Rein, keemik**; **Trikkel, Andres**; **Tõnsuaadu, Kaia** Minerals engineering 2021 / art. 107127, 10 p. : ill https://doi.org/10.1016/j.mineng.2021.107127 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Evaluation of high performance aluminum for microwave filters
Martin-Iglesias, P.; **Raadik, Taavi**; Teberio, F.; Percaz, J.M.; Martin-Iglesias, S.; Pambaguian, L.; Arregui, I.; Laso, M.A.G. 2019 IEEE MTT-S International Microwave Symposium (IMS), Boston, Massachusetts, 2-7 June 2019 : proceedings 2019 / p. 1183-1186 https://doi.org/10.1109/MWSYM.2019.8700938 Conference proceeding at Scopus Article at Scopus Article at WOS

Evaluation of new applications of oil shale ashes in building materials
Usta, Mustafa Cem; **Yörük, Can Rüstü**; **Hain, Tiina**; Paaver, Peeter; Snellings, Ruben; Rozov, Eduard; **Gregor, Andre**; **Kuusik, Rein, keemik**; **Trikkel, Andres**; **Uibu, Mai** Minerals 2020 / art. 765, 19 p. : ill https://doi.org/10.3390/min10090765 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Evaluation of residual stresses in PVD coatings by means of tubular substrate length variation
Lille, Harri; Ryabchikov, Alexander; Kõo, Jakub; **Adoberg, Eron**; **Mikli, Valdek**; **Kübarsepp, Jakob**; **Peetsalu, Priidu** Residual Stresses 2018 ECRS-10 : 10th European Conference on Residual Stresses(ECRS10) : Leuven, Belgium, 11-14th September, 2018 2018 / p. 131-136 : ill https://doi.org/10.21741/9781945291890-21

Evaluation of the effect of test medium on total Cu body burden ofnano CuO-exposed Daphnia magna: A TXRF spectroscopy study
Muna, Marge; Heinlaan, Margit; Blinova, Irina; Vija, Heiki; Kahru, Anne Environmental pollution 2017 / p. 1488-1496 : ill https://doi.org/10.1016/j.envpol.2017.07.083 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Evaluation of the potential hazard of lanthanides to freshwater microcrustaceans
Blinova, Irina; Lukjanova, Aljona; **Muna, Marge**; Vija, Heiki; Kahru, Anne Science of the total environment 2018 / p. 1100-1107 : ill https://doi.org/10.1016/j.scitotenv.2018.06.155 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Evaluation of the potential hazard of manufactured metal-based nanomaterials to health of aquatic ecosystems: state of the art
Blinova, Irina; **Muna, Marge**; Lukjanova, Aljona; Kahru, Anne Journal of international scientific publications : ecology & safety 2018 / p. 174−182 : ill https://www.scientific-publications.net/en/article/1001659/

Evolution of biochemical processes in coking wastewater treatment : a combined evaluation of material and energy efficiencies and secondary pollution
Qin, Zhi; Wei, Cong; Wei, Tuo; Li, Zemin; Pang, Zijun; Luo, Pei; Feng, Chunhua; Qiu, Guanglei; Wei, Chaohai; Wu, Haizhen; Peng, Yahuan; Jian, Chengfu; **Preis, Sergei** Science of the total environment 2022 / 13 p. : ill https://doi.org/10.1016/j.scitotenv.2021.151072 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Excitonic emission in heavily Ga-doped zinc oxide films grown on GaN
Shtepliuk, I.; Khranovskyy, D.; Gogova, D.; **Danilson, Mati**; **Krunks, Malle** Journal of luminescence 2020 / art. 117265, 10 p. : ill https://doi.org/10.1016/j.jlumin.2020.117265 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

Exploring different synthesis parameters for the preparation of metal-nitrogen-carbon type oxygen reduction catalysts

Teppor, Patrick; Jäger, Rutha; Härk, Eneli; Sepp, Silver; Kook, Mati; **Volobujeva, Olga**; Paiste, Päärn; Kochovski, Zdravko; Tallo, Indre; Lust, Enn Journal of the Electrochemical Society 2020 / art. 054513 https://doi.org/10.1149/1945-7111/ab7093 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Exposure to sublethal concentrations of Co3O4 and Mn2O3 nanoparticles induced elevated metal body burden in Daphnia magna
Heinlaan, Margit; **Muna, Marge**; **Juganson, Katre**; Oriekhova, Olena; Stoll, Serge; Kahru, Anne; Slaveykova, Vera Aquatic toxicology 2017 / p. 123-133 : ill https://doi.org/10.1016/j.aquatox.2017.06.002 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Fabrication of novel SiOxNy/SWCNT laminate-type composite protective coating using low-temperature approach
Shmagina, Elizaveta; **Volobujeva, Olga**; **Nasibulin, Albert**; **Bereznev, Sergei** Ceramics international 2024 / p. 34312-34320 https://doi.org/10.1016/j.ceramint.2024.06.250 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Facile preparation of nitrogen and sulfur co-doped graphene-based aerogel for simultaneous removal of Cd2+ and organic dyes
Kong, Qiaoping; Wei, Chaohai; **Preis, Sergei**; Hu, Yun; Wang, Feng Environmental science and pollution research 2018 / p. 21164–21175 : ill https://doi.org/10.1007/s11356-018-2195-8 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Ferrocene introduced into 5-methylresorcinol-based organic aerogels
Erkhova, Ludmila V.; Presniakov, Igor A.; Afanasov, Michail I.; Lemenovskiy, Dmitry A.; Yu, Haojie; Wang, Li; **Danilson, Mati**; **Koel, Mihkel** Polymers 2020 / art. 1582 ; 12 p. : ill https://doi.org/10.3390/polym12071582 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Ferrous ion-activated persulphate process for landfill leachate treatment : removal of organic load, phenolic micropollutants and nitrogen
Kattel, Eneliis; **Dulova, Niina** Environmental technology 2017 / p. 1223-1231 : ill https://doi.org/10.1080/09593330.2016.1221472 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

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

Finding the best fitting solutions for wastewater management in Baltic Sea Region villages (VillageWaters) [Online resource]
Dulova, Niina; Räsänen, Kati; Vorne, V. 19th European Meeting on Environmental Chemistry : 3 - 6 december 2018 Royat - France : programm book 2018 / p. 109 : ill https://emec19.sciencesconf.org/data/pages/EMEC_19_Book_of_abstract.pdf

Fire and mechanical properties of hemp and clay boards for timber structures
Kallakas, Heikko; **Liblik, Johanna**; **Alao, Percy Festus**; **Poltimäe, Triinu**; **Just, Alar**; **Kers, Jaan** IOP conference series : earth and environmental science Central Europe towards Sustainable Building (CESB19) 2–4 July 2019, Prague, Czech Republic 2019 / art. 012019, 8 p. : ill https://doi.org/10.1088/1755-1315/290/1/012019 Conference proceedings at Scopus Article at Scopus

Fluorene- and fluorenone-based molecules as electron-transporting SAMs for photovoltaic devices
Svirskaite, Lauryna Monika; Kasparavicius, Ernestas; Steponaitis, Matas; Grzibovskis, Raitis; Franckevicius, Marius; **Katerski, Atanas**; Naujokaitis, Arnas; Karazhanov, Smagul; Gopi, Sajeesh Vadakkedath; Aizstrauts, Arturs RSC advances 2024 / p. 14973-14981 https://doi.org/10.1039/D4RA00964A Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Foreword
Öpik, Andres Proceedings of the Estonian Academy of Sciences 2018 / p. 115–116 http://www.kirj.ee/public/proceedings_pdf/2018/issue_2/proc-2018-2-115-116.pdf Journal metrics at Scopus Article at Scopus

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

Formation and growth of CuIZnSnSI monograin powder on molten CdII = CuIZnSnSI moodustumine ja monoterapulbri kasv CdII sulafaasi keskkonnas
Nkwusi, Godswill 2017 https://digi.lib.ttu.ee/i/?7690 https://www.ester.ee/record=b4678707*est

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

Fosforiidi väärindamisvõimaluste uuringud
Tamm, Kadriann Aastaraamat 2018 / Eesti Geoloogiateenistus 2019 / lk. 30−32 : ill https://www.ester.ee/record=b5258416*est https://www.ester.ee/record=b5231712*est

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 vibration analysis of uniform and tapered timoshenko beam by higher-order haar wavelet method
Mehrparvar, Marmar; **Majak, Jüri**; **Karjust, Kristo** Graduate School of Functional Materials and Technology (GSFMT) Scientific Conference : abstracts 2022 / 38 l. Graduate School of Functional Materials and Technology (GSFMT) Scientific Conference 2022

Froth Flotation Studies for Beneficiation of Estonian Phosphate Rock
Tamm, Kadriann; **Zadeh, Zeinab Arab**; Yang, Xiaosheng XIV International Mineral Processing and Recycling Conference : proceedings 2021 / p. 130-135 : ill https://imprc.tfbor.bg.ac.rs/download/IMPRC_2021_Proceedings.pdf

Functional analysis of ice-binding proteins and practical application in ice cream = Jääga seonduvate valkude funktsionaalne analüüs ja kasutamine jäätises
Kaleda, Aleksei 2018 https://digi.lib.ttu.ee/i/?11144 https://www.ester.ee/record=b5172715*est

Functionalization of CO2−Derived Carbon Support as a Pathway to Enhancing the Oxygen Reduction Reaction Performance of Pt Electrocatalysts
Najafli, Erkin; Ratso, Sander; Foroozan, Amir; Noor, Navid; Higgins, Drew C.; Kruusenberg, Ivar Energy & fuels 2024 / p. 15601−15610 : ill https://doi.org//10.1021/acs.energyfuels.4c02407

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

Fused hybrid linkers for metal–organic frameworks-derived bifunctional oxygen electrocatalysts : [version 1.0] [Online resource]
Ping, Kefeng; Braschinsky, Alan; **Alam, Mahboob**; **Bhadoria, Rohit**; **Mikli, Valdek**; **Mere, Arvo**; **Starkov, Pavel** ChemRxiv 2019 / 10 p., S16 p. : ill https://doi.org/10.26434/chemrxiv.7687358

Fused hybrid linkers for metal–organic frameworks-derived bifunctional oxygen electrocatalysts : [version 2.0] [Online resource]
Ping, Kefeng; Braschinsky, Alan; **Alam, Mahboob**; **Bhadoria, Rohit**; **Mikli, Valdek**; **Mere, Arvo**; **Starkov, Pavel** ChemRxiv 2019 / 10 p., S17 p. : ill https://doi.org/10.26434/chemrxiv.7687358.v2

Gas sensing capability of spray deposited Al-doped ZnO thin films
Eensalu, Jako Siim; **Katerski, Atanas**; **Mere, Arvo**; **Krunks, Malle** Proceedings of the Estonian Academy of Sciences 2018 / p. 124–130 : ill https://doi.org/10.3176/proc.2018.2.02 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Gas sensing capability of spray deposited Al-doped ZnO thin films [Online resource]
Eensalu, Jako Siim; **Katerski, Atanas**; **Mere, Arvo**; **Krunks, Malle** Tartu Ülikooli ASTRA projekt PER ASPERA : Funktsionaalsed materjalid ja tehnoloogiad : [7-8 märtsil 2018, Tallinn : teesid] GSFMT Scientific Conference 2018 : Tallinn, March 7-8, 2018 : abstracts 2018 / 1 p http://fmtdk.ut.ee/teesid-2018/

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 degradation of VOCs and ozone in continuous multi-section reactor as possible air post-treatment for exhaust from pulsed corona discharge

Kask, Maarja; **Bolobajev, Juri**; **Kritševskaja, Marina** GSFMT Scientific Conference 2020 : Tallinn, February 4-5, 2020 : abstracts 2020 / p. 40 http://fmtdk.ut.ee/wp-content/uploads/2020/01/GSFMT2020.pdf

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

Gas-phase photocatalytic oxidation of VOCs on the TiO2 thin films
Sydorenko, Jekaterina; **Danilson, Mati**; **Mere, Arvo**; **Krunks, Malle**; **Kritševskaja, Marina**; **Oja Acik, Ilona** GSFMT Scientific Conference 2021 : Tartu, June 14-15, 2021 : abstracts 2021 / O 10 https://fmtdk.ut.ee/wp-content/uploads/2021/06/GSFMT_abstractbook_2021.pdf

Gas-phase photocatalytic reactor for the study of TiO2 thin films activity [Online resource]
Spiridonova, Jekaterina; **Kritševskaja, Marina** Tartu Ülikooli ASTRA projekt PER ASPERA : Funktsionaalsed materjalid ja tehnoloogiad : [4.-5. veebr. 2019, Tartu : teesid] 2019 / 1 p http://fmtdk.ut.ee/teesid-2019/

Geosünteetika aitab tugevdada tee konstruktsiooni
Krumme, Andres Teejuht : maal, vees ja õhus : Transpordiameti digiajakiri 2024 / lk. 70-71 : fot https://www.ester.ee/record=b5495900*est https://digiajakiri.transpordiamet.ee/view/1016876430/70/

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

Glassy GaS: transparent and unusually rigid thin films for visible to mid-IR memory applications
Tverjanovich, Andrey; Khomenko, Maksym; **Bereznev, Sergei**; Fontanari, Daniele; Sokolov, Anton; Usuki, Takeshi; Ohara, Koji; Le Coq, David; Masselin, Pascal; Bychkov, Eugene Physical chemistry chemical physics 2020 / p. 25560−25573 https://doi.org/10.1039/D0CP04697C Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

Granulation of oil shale ashes for neutralizing of acidic soils
Kaljuvee, Tiit; **Jefimova, Jekaterina**; Loide, Valli; **Uibu, Mai**; **Einard, Marve**; **Kuusik, Rein, keemik** International IX Oil Shale Conference 2017 "Oil Shale Industry in Circular Economy" : 15th-16th November 2017, [Jõhvi], Ida-Viru County, Estonia : summary 2017 / p. 16-17 http://www.ester.ee/record=b4751282*est

Graphene oxide-terminated hyperbranched amino polymer-carboxymethyl cellulose ternary nanocomposite for efficient removal of heavy metals from aqueous solutions
Kong, Qiaoping; **Preis, Sergei**; Li, Leli; Luo, Pei; Hua, Yun; Wei, Chaohai International journal of biological macromolecules 2020 / p. 581−592 : ill https://doi.org/10.1016/j.ijbiomac.2020.01.185 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

Growth and optical properties of two-dimensional transition metal dichalcogenides = Kahedimensionaalsete siirdemetallide dikalkogeniidide kasvatus ning optiliste omaduste uurimine
Kaupmees, Reelika 2021 https://digikogu.taltech.ee/et/Item/72b400aa-c5da-4db6-8cb0-acce54153e2a https://www.ester.ee/record=b5429502*est https://doi.org/10.23658/taltech.25/2021

Growth mechanism of pulse electrodeposited cadmium sulfide and zinc sulfide thin films with tartaric acid and glycerol as additives
Boosagulla, Divya; **Mandati, Sreekanth**; Allikayala, Ramachandraiah; Sarada, Bulusu V. Thin Solid Films 2022 / art. #139011 https://doi.org/10.1016/j.tsf.2021.139011

Growth of CU2CDGESE4 monograin powders in molten salts [Online resource]
Li, Xiaofeng; **Kauk-Kuusik, Marit** Tartu Ülikooli ASTRA projekt PER ASPERA : Funktsionaalsed materjalid ja tehnoloogiad : [4.-5. veebr. 2019, Tartu : teesid] 2019 / 2 p http://fmtdk.ut.ee/teesid-2019/

Hazard evaluation of metal-based nanoparticles and lanthanides with freshwater microcrustaceans = Metalliliste nanoosakeste ja lantaniidide kahjulikkuse hindamine magevee pisivähkidega

Muna, Marge 2019 https://digi.lib.ttu.ee/i/?11634

Heating rate effect on the thermal behavior of some clays and their blends with oil shale ash additives
Kaljuvee, Tiit; Štubna, Igor; Hulan, Tomaš; **Kuusik, Rein, keemik** Journal of thermal analysis and calorimetry 2017 / p. 33-45 : ill https://doi.org/10.1007/s10973-016-5347-4 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Heteroatom-doped nanocarbons derived from black liquor as the oxygen reduction reaction catalysts
Kaare, Kätlin; Kruusenberg, Ivar; Volperts, Aleksandrs; Zhurinsh, Aivars; Dobele, Galina; **Walke, Peter**; **Mikli, Valdek** GSFMT Scientific Conference 2021 : Tartu, June 14-15, 2021 : abstracts 2021 / P 53 https://fmtdk.ut.ee/wp-content/uploads/2021/06/GSFMT_abstractbook_2021.pdf

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

High-K ZrO2 thin films by chemical spray pyrolysis method [Online resource]
Oluwabi, Abayomi Titilope; **Oja Acik, Ilona**; **Katerski, Atanas**; **Krunks, Malle** Tartu Ülikooli ASTRA projekt PER ASPERA : Funktsionaalsed materjalid ja tehnoloogiad : [7-8 märtsil 2018, Tallinn : teesid] GSFMT Scientific Conference 2018 : Tallinn, March 7-8, 2018 : abstracts 2018 / 1 p http://fmtdk.ut.ee/teesid-2018/

Highly active Fe-N/C oxygen electrocatalysts based on silicon carbide derived carbon
Teppor, Patrick; Jäger, Rutha; Hints, J.; **Volobujeva, Olga**; Valk, Peeter; Koppel, Miriam; Lust, Enn Polymer Electrolyte Fuel Cells & Electrolyzers 20 (PEFC & E 20) 2020 / p. 607 - 615 https://doi.org/10.1149/09809.0607ecst Conference Proceedings at Scopus Article at Scopus

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 flexible single crystalline solar modules, the ideal solution for versatile building integrated photovoltaic
Meissner, Dieter TRATERMAT 2019 : XVI Congreso Internacional de Tratamientos Térmicos y de Superficie 2020 / p. 21-22 https://dialnet.unirioja.es/servlet/articulo?codigo=7551145

High-strength fuel pellets made of flour milling and coal slack wastes
Tabakaev, Roman; Kahn, Victor; Dubinina, Yury; **Preis, Sergei** Energy 2022 / art. 123071 https://doi.org/10.1016/j.energy.2021.123071 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

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

High-κ metal oxide thin film by chemical spray pyrolysis : from optimization of material properties to application in thin film transistor = Metallioksiidi õhukesed kiled keemilise pihustuspürolüüsi meetodil : materjali omaduste optimeerimine ja rakendamine õhukesekilelistes transistorides
Oluwabi, Abayomi Titilope 2020 https://digikogu.taltech.ee/et/Item/4b6d9afd-74d2-40ac-9c12-335d2f608474 https://www.ester.ee/record=b5362429*est

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

Hävinud tudengisatelliit Hämarik andis tegijatele väärtuslikke õppetunde
Vare, Kai err.ee 2024 Hävinud tudengisatelliit Hämarik andis tegijatele väärtuslikke õppetunde

Hybrid molecularly imprinted polymer for amoxicillin detection
Ayankojo, Akinrinade George; **Reut, Jekaterina**; **Öpik, Andres**; Furchner, Andreas; Sõritski, Vitali Biosensors and bioelectronics

2018 / p. 102-107 : ill https://doi.org/10.1016/j.bios.2018.07.042 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Hydrogen post-treatment enhances the electrochemical activity of Pt-CeO2/C catalysts
Nguyen, Huy Quí Vinh; Kasuk, Heili; Härmas, Meelis; Aruväli, Jaan; **Volobujeva, Olga**; Härk, Eneli; Kochovski, Zdravko; Lust, Enn; Nerut, Jaak 8th Baltic Electrochemistry Conference. Conference Abstract 2024 / 1 p. https://sisu.ut.ee/wp-content/uploads/sites/638/nguyen_huy_qui_vinh_.pdf

Hydrogen states in mixed-cation CuIn(1−x)GaxSe2 chalcopyrite alloys : a combined study by first-principles density-functional calculations and muon-spin spectroscopy
Marinopoulos, Apostolos G.; Vilao, Rui C.; Alberto, Helena Vieira; Ribeiro, E. F. M.; Gil, J. M.; Mengyan, P. W.; Goeks, M. R.; **Kauk-Kuusik, Marit**; Lord, J. S. Philosophical magazine 2021 / p. 2412-2434 https://doi.org/10.1080/14786435.2021.1972178 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Hydrolytic and dehydratase enzymes : chapter 9
Yu, S.; **Parve, Jaan**; **Parve, Omar**; **Villo, Ly**; **Aav, Riina** Applied biocatalysis: The chemist`s enzyme toolbox 2020 / p. 333-361 https://www.wiley.com/en-us/9781119487012

Hydroxyapatite-based catalysts in organic synthesis
Gruselle, Michel; **Tõnsuaadu, Kaia**; Gredin, Patrick; Len, Christophe Design and applications of hydroxyapatite-based catalysts 2022 / chapter 10 https://doi.org/10.1002/9783527830190.ch10

Hydroxyl radical behavior in water treatment with gas-phase pulsed corona discharge
Ajo, Petri 2018 http://urn.fi/URN:ISBN:978-952-335-213-1

Hygrothermal criteria for design of cross-laminated timber external walls
Kukk, Villu; **Kers, Jaan**; **Kalamees, Targo**; Wang, Lin; Ge, Hua Proceedings of the 5th international conference on building energy and environment 2023 / p. 811-815 https://doi.org/10.1007/978-981-19-9822-5_87 Conference proceedings at Scopus Article at Scopus

Identification of excitons and biexcitons in Sb2Se3 under high photoluminescence excitation density
Krustok, Jüri; Kondrotas, Rokas; Nedzinskas, Ramunas; **Timmo, Kristi**; **Kaupmees, Reelika**; **Mikli, Valdek**; **Grossberg, Maarja** Advanced optical materials 2021 / 8 p. : ill https://doi.org/10.1002/adom.202100107 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Impact of 1-butyl-3-methylimidazolium chloride on the electrospinning of cellulose acetate nanofibers
Javed, Kashif; **Krumme, Andres**; **Krasnou, Illia**; **Mikli, Valdek**; **Viirsalu, Mihkel**; **Plamus, Tiia**; **Vassiljeva, Viktoria**; **Tarasova, Elvira**; **Savest, Natalja**; Mendez, James D. Journal of macromolecular science, part A : pure and applied chemistry 2018 / p. 142-147 : ill https://doi.org/10.1080/10601325.2017.1387861 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Impact of alkali and silane treatment on hemp/PLA composites' performance : from micro to macro scale
Alao, Percy Festus; Marrot, Laetitia; Burnard, Michael David; Lavrič, Gregor; **Saarna, Mart**; **Kers, Jaan** Polymers 2021 / art. 851, 18 p. : ill https://doi.org/10.3390/polym13060851 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Impact of aspen and black alder substitution in birch plywood
Akkurt, Tolgay; **Kallakas, Heikko**; **Rohumaa, Anti**; Hunt, Christopher Glaab; **Kers, Jaan** Forests 2022 / art. 142 https://doi.org/10.3390/f13020142

Impact of blocking layers based on TiO2 and ZnO prepared via direct current reactive magnetron sputtering on DSSC solar cells
Sibinski, Maciej; Sawicka-Chudy, Paulina; Wisz, Grzegorz; Gnida, Pawel; Schab-Balcerzak, Ewa; Wal, Andrzej; Yavorskyi, Rostyslav; Cholewa, Marian Scientific reports 2024 / art. 10676 https://doi.org/10.1038/s41598-024-61512-6

Impact of built-in moisture on the design of hygrothermally safe cross-laminated timber external walls : a stochastic approach
Kukk, Villu; **Kers, Jaan**; **Kalamees, Targo**; Wang, Lin; **Ge, Hua** Building and environment 2022 / art. 109736 https://doi.org/10.1016/j.buildenv.2022.109736 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Impact of cracks to the hygrothermal properties of CLT water vapour resistance and air permeability
Kukk, Villu; **Horta, R.**; **Püssa, Martin**; **Luciani, Giovanni**; **Kallakas, Heikko**; **Kalamees, Targo**; **Kers, Jaan** Energy procedia 2017 / p. 741-746 : ill https://doi.org/10.1016/j.egypro.2017.10.019 Conference proceedings at Scopus Article at Scopus Article at WOS

Impact of high energy milled activation on the thermal properties of Bulgarian and Estonian natural apatites
Petkova, Vilma; Kostova, Bilyana; Serafimova, Ekaterina; **Kaljuvee, Tiit**; **Tõnsuaadu, Kaia**; Pelovski, Yoncho 2nd Journal of Thermal Analysis and Calorimetry Conference, Budapest, June 18–21, 2019 : book of abstracts 2019 / p. 480-481 https://jtac-jtacc.akcongress.com/

Impact of laser fading on physico-mechanical properties and fibre morphology of multicomponent denim fabrics
Mandre, Nele; **Plamus, Tiia**; **Linder, Angelika**; **Krumme, Andres**; **Rohumaa, Anti** Proceedings of the Estonian Academy of Sciences 2023 / p. 145-153 https://doi.org/10.3176/proc.2023.2.05 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Impact of post-deposition treatments on properties of SnS films and solar cells grown by close-spaced sublimation technique [Online resource]
Spalatu, Nicolae; **Hiie, Jaan**; **Krunks, Malle** [2018 E-MRS Spring Meeting and Exhibit : Materials for energy and environment : Thin film chalcogenide photovoltaic materials : program] 2018 / A.PIV.27 https://www.european-mrs.com/thin-film-chalcogenide-photovoltaic-materials-emrs

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

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

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

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

Improving pharmaceuticals removal at wastewater treatment plants using biochar: a review
Akintola, Ayooluwa Tomiwa; **Ayankunle, Ayankoya Yemi** Waste and biomass valorization 2023 / p. 2433-2458 https://doi.org/10.1007/s12649-023-02070-2 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

Indium-free CIGS analogues : general discussion
Andreasen, Jens Wenzel; Bowers, Jake W.; Breternitz, Joachim; Dale, Phillip J.; Dimitrievska, Mirjana; Fermin, David J.; Ganose, Alex; Gurieva, Galina; Hages, Charles J.; **Mandati, Sreekanth** Faraday Discussions 2022 / p. 85-111 https://doi.org/10.1039/D2FD90055F

Individual and simultaneous degradation of sulfamethoxazole and trimethoprim by ozone, ozone/hydrogen peroxide and ozone/persulfate processes: A comparative study
Adil, Sawaira; Maryam, Bareera; Kim, Eun-Ju; **Dulova, Niina** Environmental research 2020 / art. 109889, 10 p https://doi.org/10.1016/j.envres.2020.109889 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Industrial sustainable fabrication, SEM characterization, mechanical testing, ANOVA analysis of PP-PETF recycled composites : artificial intelligence and deep learning studies for nuclear shielding applications
Hussain, Abrar; **Goljandin, Dmitri**; **Podgurski, Vitali**; **Yörük, Can Rüstü**; **Sergejev, Fjodor**; **Kübarsepp, Jakob**; **Maurya, Himanshu Singh**; Rahmani Ahranjani, Ramin European polymer journal 2024 / art. 113082 https://doi.org/10.1016/j.eurpolymj.2024.113082 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Inexpensive fluorene-based hole transporting material with terminated thiophene unit for efficient semi-transparent Sb2S3 solar cells
Jegorove, Aiste; **Mandati, Sreekanth**; **Juneja, Nimish**; **Katerski, Atanas**; Vembris, Aivars; Grzibovskis, Raitis; Getautis, Vytautas; **Dedova, Tatjana**; Magomedov, Artiom; **Spalatu, Nicolae**; Karazhanov, Smagul; **Krunks, Malle**; **Oja Acik, Ilona** Proceedings of International Conference on Hybrid and Organic Photovoltaics (HOPV22), València, Spain, 2022 May 19th - 25th 2022 https://www.nanoge.org/proceedings/HOPV22/62596b7159d9502382511011

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

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

The influence of birch (Betula pendula) false heartwood on the mechanical properties of wood-plastic composites = Kase (Betula pendula) väärlülipuidu mõju puitplastkomposiitide mehaanilistele omadustele
Kallakas, Heikko 2019 https://digi.lib.ttu.ee/i/?12253

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 electrolyte scaffold microstructure and loading of MIEC material on the electrochemical performance of RSOC fuel electrode
Maide, Martin; Lillmaa, Kadi; Salvan, Laur Kristjan; Möller, Priit; **Uibu, Mai**; Lust, Enn; Nurk, Gunnar Fuel Cells 2018 / p. 789-799 https://doi.org/10.1002/fuce.201800087 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Influence of electrolyte scaffold microstructure and loading of miec material on the electrochemical performance of r-soc fuel electrode [Online resource]
Maide, Martin; Lillmaa, Kadi; Salvan, Laur Kristjan; **Uibu, Mai**; Lust, Enn; Nurk, Gunnar Tartu Ülikooli ASTRA projekt PER ASPERA : Funktsionaalsed materjalid ja tehnoloogiad : [7-8 märtsil 2018, Tallinn : teesid] GSFMT Scientific Conference 2018 : Tallinn, March 7-8, 2018 : abstracts 2018 / 1 p http://fmtdk.ut.ee/teesid-2018/

Influence of interior layer properties to moisture dry-out of CLT walls
Kukk, Villu; **Külaots, Annegrete**; **Kers, Jaan**; **Kalamees, Targo** Canadian journal of civil engineering 2019 / p. 1001−1009 https://doi.org/10.1139/cjce-2018-0591 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Influence of Ni concentration on electrochemical and crystallographic properties of La0.25Sr0.25Ca0.4Ti1−xNixO3−δ solid oxide fuel cell anode
Korjus, Ove; Möller, Priit; Kooser, Kuno; Käämbre,Tanel; **Volobujeva, Olga**; Nerut, Jaak; Kotkas, S.; Lust, Enn; Nurk, Gunnar Journal of Power Sources 2021 / Art. n.r 229739 https://doi.org/10.1016/j.jpowsour.2021.229739 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Influence of oil shale ash addition on thermophysical processes in an illitic clay during heating
Csaki, Štefan; **Kaljuvee, Tiit**; Štubna, Igor; Dobron, Patrik; Vozar, Libor ECerS 2017 : 15th Conference & Exhibition of the European Ceramic Society, July 9–13, 2017, Budapest, Hungary : book of abstracts 2017 / p. 579
https://static.akcongress.com/downloads/ecers/ecers2017-abstract-book.pdf

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

Influence of PH on the hydroxide impurities in chemically deposited CDS thin film
Üürike, Marvin; **Maticiuc, Natalia**; **Volobujeva, Olga**; **Spalatu, Nicolae**; **Hiie, Jaan** The 14th International Conference of Young Scientists on Energy Issues : Kaunas, Lithuania, May 25-26, 2017 2017 / p. X-316 - X-323 : ill
http://cyseni.com/archives/proceedings/Proceedings_of_CYSENI_2017.pdf

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

Influence of protic ionic liquid-based flame retardant on the flammability and water sorption of alkalized hemp fiber-reinforced PLA composites
Alao, Percy Festus; **Press, Raimond**; Ruponen, Jussi; **Mikli, Valdek**; **Kers, Jaan** Polymers 2023 / art. 3661
https://doi.org/10.3390/polym15183661 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 SiO2 on the thermal behavior of high-energy activated natural phosphorites
Petkova, Vilma; Kostova, Bilyana; Kadiyski, Milen; **Kaljuvee, Tiit** 12th Conference on Calorimetry and Thermal Analysis of Polish Society of Calorimetry and Thermal Analysis and 5th Joint Czech-Hungarian-Polish-Slovakian Thermoanalytical Conference : Book of Abstracts 2015 / 218-220

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 synthesis parameters and thermal treatment on the optical and structural properties of zinc oxide-based nanomaterials
Paltusheva, Zhaniya; Kedruk, Yevgeniya; Gritsenko, Lesya; Tulegenova, Madina; **Sõritski, Vitali**; Abdullin, Khabibulla Physical sciences and technology 2024 / Lk. 49-57 https://doi.org/10.26577/phst2024v11i1a6 Journal metrics at Journal Article at Scopus

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

Influence of the post-granulation treatment on the thermal behaviour and leachability characteristics of Estonian oil shale ashes
Kaljuvee, Tiit; **Jefimova, Jekaterina**; Loide, Valli; **Uibu, Mai**; **Einard, Marve** Journal of thermal analysis and calorimetry 2018 / p. 47–57 : ill https://doi.org/10.1007/s10973-017-6875-2 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Influence of the post-granulation treatment on the thermal behaviour of Estonian oil shale ashes
Kaljuvee, Tiit; **Jefimova, Jekaterina**; Loide, Valli; **Uibu, Mai**; **Einard, Marve**; **Kuusik, Rein, keemik** JTACC+V4 : 1st Journal of Thermal Analysis and Calorimetry Conference and 6th V4 (Joint Czech-Hungarian-Polish-Slovakian) Themoanalytical Conference: Budapest Hungary, June 6-9, 2017 : Book of Abstracts 2017 / p. 105 https://static.akcongress.com/downloads/jtacc/jtacc2017-book-of-abstracts.pdf

Influence of vapour transport deposition conditions on properties of SB2SE3 thin film absorber and solar cells
Gopi, Sajeesh Vadakkedath; **Spalatu, Nicolae**; **Katerski, Atanas**; **Krunks, Malle**; **Oja Acik, Ilona** Graduate School of Functional Materials and Technology (GSFMT) Scientific Conference : abstracts 2022 / 18 l. Graduate School of Functional Materials and Technology (GSFMT) Scientific Conference 2022

Influence of waste products from electricity and cement industries on the thermal behaviour of Estonian clay from Kunda deposit
Kaljuvee, Tiit; Štubna, Igor; Hulan, Tomaš; Csaki, Štefan; **Uibu, Mai**; **Jefimova, Jekaterina** 12th European Symposium on Thermal Analysis and Calorimetry ESTAC 12 : 27-30 August 2018, Brasov, Romania : book of abstracts 2018 / OP1.19, p. 75 http://estac12.org/download.php?f=../download/BoA%20ESTAC12.pdf

Influence of waste products from electricity and cement industries on the thermal behaviour of Estonian clay from Kunda deposit
Kaljuvee, Tiit; Štubna, Igor; Hulan, Tomaš; Csaki, Štefan; **Uibu, Mai**; **Jefimova, Jekaterina** Journal of thermal analysis and calorimetry 2019 / p. 2635–2650 : ill https://doi.org/10.1007/s10973-019-08319-0 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Inkjet-printed hybrid conducting polymer-activated carbon aerogel linear actuators driven in an organic electrolyte
Põldsalu, Inga; Harjo, Madis; Tamm, Tarmo; **Uibu, Mai**; Peikolainen, Anna-Liisa; Kiefer, Rudolf Sensors and actuators B : chemical 2017 / p. 44-51 : ill https://doi.org/10.1016/j.snb.2017.04.138 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Insights into nonylphenol degradation by UV-activated persulfate and persulfate/hydrogen peroxide systems in aqueous matrices: a comparative study
Balpreet Kaur; **Kattel, Eneliis**; **Dulova, Niina** Environmental science and pollution research 2020 / p. 22499−22510 https://doi.org/10.1007/s11356-020-08886-y Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Insights into TiO2 thin film photodegradation from Kelvin Probe AFM maps
Olukan, Tuza; **Sydorenko, Jekaterina**; **Katerski, Atanas**; Al Mahri, Mariam; Lai, Chia-Yun; Al-Hagri, Abdulrahman; Santos, Sergio; **Chiesa, Matteo** Applied physics letters 2022 / art. 031901 https://doi.org/10.1063/5.0098788 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

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

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

Investigating the possibilities for valorising phosphorite
Tamm, Kadriann Yearbook 2018 / Geological Survey of Estonia 2019 / p. 30-32 : ill https://www.egt.ee/sites/default/files/content-editors/aastaraamat/egt_aastaraamat_eng_web.pdf https://www.ester.ee/record=b5231713*est

Investigation of dynamic mechanical properties of Estonian clay Arumetsa during firing
Štubna, Igor; Hulan, Tomaš; **Kaljuvee, Tiit**; Vozár, Libor Applied clay science 2018 / p. 23-28 : ill
https://doi.org/10.1016/j.clay.2017.11.038 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Investigation of efficient alkali treatment and the effect of flame retardant on the mechanical and fire performance of frost-retted hemp fiber reinforced PLA
Alao, Percy Festus; **Press, Raimond**; **Kallakas, Heikko**; Ruponen, Jussi; **Poltimäe, Triinu**; **Kers, Jaan** Polymers 2022 / art. 2280
https://doi.org/10.3390/polym14112280 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

Investigation of 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 oxygen reduction on platinum nanoparticles deposited onto peat-derived carbon carrier
Lobjakas, Viljar; Nerut, Jaak; Kasuk, Heili; Adamson, Anu; Thomberg, Thomas; Aruväli, Jaan; Valk, Peeter; Teppor, Patrick; Koppel, Mirjam; **Mikli, Valdek**; **Volobujeva, Olga**; **Lust, Enn** ECS Meeting Abstracts 2022 / p. 49-58 : ill
https://doi.org/10.1149/10807.0049ecst Journal metrics at Scopus Article at Scopus

Investigation of rough surfaces on Cu 2 ZnSn(S x Se 1-x) 4 monograin layers using light beam induced current measurements
Neubauer, Christian; **Babatas, Ertug**; **Meissner, Dieter** Applied surface science 2017 / p. 465-468 : ill
https://doi.org/10.1016/j.apsusc.2017.06.111 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

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

Investigation of the solar cell materials Cu(In,Ga)Se2 and Cu2ZnSnS4 with muon spin spectroscopy and density-functional calculations
Vilao, Rui C.; Marinopoulos, Apostolos G.; dos Santos, Diego Garcia; Alberto, Helena Vieira; Gil, Joao Campos; Mengyan, Patrick W.; **Kauk-Kuusik, Marit**; Lord, James; Weidinger, Alois Journal of applied physics 2024 / art. 055704
https://doi.org/10.1063/5.0205837 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Ionic liquids recycling
Krasnou, Illia; **Krumme, Andres** Baltic Polymer Symposium, BPS2023 : programme and abstracts 2023 / p. 17

Iron and cobalt containing electrospun carbon nanofibre-based cathode catalysts for anion exchange membrane fuel cell
Sokka, Andri; Mooste, Marek; Käärik, Maike; **Gudkova, Viktoria**; Kozlova, Jekaterina; Kikas, Arvo; Kisand, Vambola; Treshchalov, Alexey; Tamm, Aile; Paiste, Päärn; Aruväli, Jaan; Leis, Jaan; **Krumme, Andres**; Holdcroft, Steven; Cavaliere, Sara; Jaouen, Frederic; Tammeveski, Kaido International Journal of Hydrogen Energy 2021 / p. 31275-31287
https://doi.org/10.1016/j.ijhydene.2021.07.025 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Iron and cobalt phthalocyanine embedded electrospun carbon nanofiber-based catalysts for anion exchange membrane fuel cell cathode
Muuli, Kaur; Sokka, Andri; Mooste, Marek; Lilloja, Jaana; **Gudkova, Viktoria**; Käärik, Maike; Otsus, Markus; Kikas, Arvo; Kisand, Vambola; Tamm, Aile; Leis, Jaan; **Krumme, Andres** Journal of Catalysis 2023 / p. 117-130 https://doi.org/10.1016/j.jcat.2023.04.008 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

Is Estonian phosphate rock easy to enrich?
Tamm, Kadriann Yearbook 2019 2020 / p. 29-31 : ill Yearbook

Isolation of cellulose from wheat straw using Alkaline Hydrogen Peroxide and Acidified Sodium Chlorite treatments: comparison of yield and properties
Qasim, Umair; Ali, Zulfiqar; Nazir, Muhammad Shahid Advances in polymer technology 2020 / art. 9765950, 7 p. : ill
https://doi.org/10.1155/2020/9765950

A journey for the development of a highly active ptcec(cr3c2) catalyst: material selections, synthesis optimization and electrical measurements for methanol oxidation and oxygen reduction
Nguyen, Huy Quí Vinh; Nerut, Jaak; Kasuk, Heili; Thomberg, Thomas; Härmas, Meelis; Härmas, R.; Koppel, Miriam; Teppor, Patrick; Külaviir, Marian; Aruväli, Jaan; **Volobujeva, Olga**; Lust, Enn GSFMT Scientific Conference 2023 : Tartu, 23-24 May, 2023 : abstracts 2023 https://fmtdk.ut.ee/programm-2023/

Jõhker kogus ravimijääke jõuab meie kanalisatsiooni! Tehnikaülikooli teadlane Sergei Preis selgitab selle tagajärgi
Preis, Sergei digi.geenius.ee 2024 Jõhker kogus ravimijääke jõuab meie kanalisatsiooni! Tehnikaülikooli teadlane Sergei Preis selgitab selle tagajärgi

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

Ka klaasitäis sooja kraanivett võib teha tervisele kahju
Michelson, Tarmo Maaleht 2024 / lk. 8-9 https://dea.digar.ee/article/maaleht/2024/04/04/10.1 Ka klaasitäis sooja kraanivett võib teha tervisele kahju

21. sajandi keskkonnatehnoloogia väljakutse - mikrosaasteained
Trapido, Marina; **Kattel, Eneliis** Teadusmõte Eestis (X). Tehnikateadused. 3 : [artiklikogumik] 2019 / lk. 190-199 : ill., fot
https://www.ester.ee/record=b5208765*est

Kas Eesti fosforiiti on lihtne rikastada?
Tamm, Kadriann Aastaraamat 2019 2020 / lk. 28-29 : ill https://www.egt.ee/sites/default/files/content-editors/aastaraamat/egt_aastaraamat_est_web_2019.pdf

Kas «killerkottidest» loobumine on ka tegelikult keskkonnale kasu toonud?
Lees, Merike postimees.ee 2023 Kas «killerkottidest» loobumine on ka tegelikult keskkonnale kasu toonud?

Kas Kuul on elu? Jah, varsti – Eesti teadlaste kaasabiga!
Vill, Ants Director. Inseneeria 2022 / lk. 62-69 : fot https://www.ester.ee/record=b1519314*est https://director.ee/2022/01/13/kas-kuul-on-elu-jah-varsti-eesti-teadlaste-kaasabiga/ https://doi.org/10.1016/j.tsf.2021.139068

Kas looduslikule nahale ja karusnahale on jätkusuutlikke asendusvariante?
Plamus, Tiia Eesti Loodus 2022 / lk. 64-65 : fot http://www.ester.ee/record=b1072059*est

Kas läbimurre põlevkivituha kasutuses?
Kuusik, Rein, keemik Mente et Manu 2022 / lk. 27-29 : ill https://www.ester.ee/record=b1242496*est

Kassikuld võib osutuda elektroonikatööstuses kullast kallimaks
Kristmann, Katriin novaator.err.ee 2024 Kassikuld võib osutuda elektroonikatööstuses kullast kallimaks

Kaval keemia aitab fosforiidist välja pigistada haruldasi muldmetalle
Alvela, Ain novaator.err.ee 2023 Kaval keemia aitab fosforiidist välja pigistada haruldasi muldmetalle

Keskkonnakaitse ülesanded
2017 http://www.ester.ee/record=b4772117*est

Keskkonnakasuga ehitusmaterjalidest
Hurt, Kadri Kestlik Eesti Roheline jalajälg : Delfi Meedia As 2024 / lk. 14-16 https://www.ester.ee/record=b5678518*est Keskkonnakasuga ehitusmaterjalidest

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

Kinetics of Estonian phosphate rock dissolution in hydrochloric acid
Azeez, Ruhany Sheherazad; Tõnsuaadu, Kaia; Kaljuvee, Tiit; Trikkel, Andres Minerals 2024 / art. 322 https://doi.org/10.3390/min14030322 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Kirjeldan praegu ühte üsna täiuslikku naist ehk insener-barbid rajavad teed
Kristmann, Katriin postimees.ee 2024 Kirjeldan praegu ühte üsna täiuslikku naist ehk insener-barbid rajavad teed

Kleenukesed päikeseelemendid aitaks vältida ränipaneele ootavat kriisi
Sibinski, Maciej novaator.err.ee 2024 Kleenukesed päikeseelemendid aitaks vältida ränipaneele ootavat kriisi

Kohalike omavalitsuste ringmajanduslike tegevuste hetkeseisu analüüs ja teekaartide koostamine : analüüsi aruanne
Hurt, Ulrika; **Piirimäe, Kristjan**; **Tuisk, Tarmo**; **Voronova, Viktoria**; **Dulova, Niina**; **Merisaar, Jaana**; **Kull, Margit**; **Niidu, Allan**; **Klõga, Marija**; **Pachel, Karin**; **Küttim, Merle** 2023 https://doi.org/10.11590/taltech.municipalities.circular.economy.roadmaps.report.2023

Kolm Eesti ülikooli ja rida ettevõtteid loovad täiesti uusi puidupõhiseid materjale
Kartau, Mari maaleht.delfi.ee 2023 Kolm Eesti ülikooli ja rida ettevõtteid loovad täiesti uusi puidupõhiseid materjale Kolm Eesti ülikooli ja rida ettevõtteid loovad täiesti uusi puidupõhiseid materjale

Koroona-impulss elektrilahendus kui õhupuhastuse tehnoloogia
Bolobajev, Juri 2024 / lk. 30-32 : fot https://www.ester.ee/record=b1242496*est

Kuhu küll kõik jäätmed said ehk laul tulevikust, kui jäätmeid enam ei tekigi
digi.geenius.ee 2023 Kuhu küll kõik jäätmed said ehk laul tulevikust, kui jäätmeid enam ei tekigi

Kui hea karjääri tagab doktorikraad?
digi.geenius.ee 2024 Kui hea karjääri tagab doktorikraad?

Kui läheks päikesele vastu ja jätaks varjud selja taha
Grossberg-Kuusk, Maarja Sirp 2022 / lk. 36-37 : fot https://sirp.ee/s1-artiklid/c21-teadus/kui-laheks-paikesele-vastu-ja-jataks-varjud-selja-taha/

Kui mürgine on soe vesi?
Vill, Ants Kodu & Ehitus : TM 2024 / lk. 47-50 : fot https://www.ester.ee/record=b1740684*est

Kuidas pikendada päikesepatarei töövõimet ja eluiga?
Eensalu, Jako Siim Ehitaja 2022 / lk. 24 : fot https://www.ester.ee/record=b1072123*est

Kuidas saada rohelise energia eksperdiks? Õppides TalTechi uues magistriprogrammis!
Grossberg-Kuusk, Maarja; **Timmo, Kristi** delfi.ee 2025 https://www.delfi.ee/artikkel/120372237/kuidas-saada-rohelise-energia-eksperdiks-oppides-taltechi-uues-magistriprogrammis

Kuus tudengit saavad RKAS-ilt kokku 21 000 eurot
postimees.ee 2023 Kuus tudengit saavad RKAS-ilt kokku 21 000 eurot

Kübeke hõbedat vase asemele päikesepüünisesse
Vill, Ants Director. Inseneeria 2021 / lk. 50-57 : fot https://director.ee/2021/02/03/kubeke-hobedat-vase-asemele-paikesepuunisesse/ http://www.ester.ee/record=b2336521*est

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

Large area bar coated TiO2 electron transport layers for perovskite solar cells with excellent performance homogeneity
Mandati, Sreekanth; Dileep, K. Reshma; Veerappan, Ganapathy; Ramasamy, Easwaramoorthi Solar Energy 2022 / p. 258-268 https://doi.org/10.1016/j.solener.2022.04.060

Laser additively manufactured magnetic core design and process for electrical machine applications
Tiismus, Hans; **Kallaste, Ants**; **Vaimann, Toomas**; **Lind, Liina**; Virro, Indrek; **Rassõlkin, Anton**; **Dedova, Tatjana** Energies 2022 / art. 3665 https://doi.org/10.3390/en15103665 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Laste mööbel [Võrguteavik] : imikuvoodid : ohutusnõuded ja katsemeetodid = Children's furniture : cribs : safety requirements and test methods
Poltimäe, Triinu 2019 https://www.ester.ee/record=b5291269*est

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

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

Lepp ja haab ei anna rämpspuitu, vaid väärtuslikku toorainet
toostusuudised.ee 2024 Lepp ja haab ei anna rämpspuitu, vaid väärtuslikku toorainet

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

Liigne veetarbimine võib rikkuda põhjavee
Gnadenteich, Uwe postimees.ee 2023 Liigne veetarbimine võib rikkuda põhjavee

Lillekujulised kaadmiumseleniidi kristallid
Leinemann, Inga; **Altosaar, Mare**; **Volobujeva, Olga** Horisont 2018 / lk. 18-19 : fot https://www.ester.ee/record=b1072243*est http://www.horisont.ee/arhiiv-2018/Horisont-6-2018.pdf

Local strain-induced band gap fluctuations and exciton localization in aged WS2 monolayers
Krustok, Jüri; **Kaupmees, Reelika**; Jaaniso, Raivo; Kiisk, Valter; Sildos, Ilmo; Li, B.; Gong, Y. AIP advances 2017 / art. 065005, 12 p. https://doi.org/10.1063/1.4985299 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Long-term monitoring of water treatment technology designed for radium removal-removal efficiencies and NORM formation
Hill, Liie; Suursoo, Siiri; Kiisk, Madis; Jantsikene, Alar; **Munter, Rein** Journal of radiological protection 2018 / 24 p. : ill https://doi.org/10.1088/1361-6498/aa97f2 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

Low temperature time resolved photoluminescence in ordered and disordered Cu2ZnSnS4 single crystals
Raadik, Taavi; **Krustok, Jüri**; **Kauk-Kuusik, Marit**; **Timmo, Kristi**; **Grossberg, Maarja**; Ernits, Kaia; Bleuse, J. Physica B : condensed matter 2017 / p. 47-50 : ill https://doi.org/10.1016/j.physb.2016.12.011 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Low-temperature synthesis of ZnO layers assisted by chemical processes
Polivtseva, Svetlana; **Dedova, Tatjana**; **Bereznev, Sergei**; **Kois, Julia**; **Tõnsuaadu, Kaia**; **Volobujeva, Olga**; Juma, Albert Owino 12th European Symposium on Thermal Analysis and Calorimetry ESTAC 12 : 27-30 August 2018, Brasov, Romania : book of

abstracts 2018 / PS1.016, p. 200 http://estac12.org/download.php?f=../download/BoA%20ESTAC12.pdf

Lugeja küsib: miks katavad päikesepargid autoparklate asemel põllumaid?
novaator.err.ee 2024 Lugeja küsib: miks katavad päikesepargid autoparklate asemel põllumaid?

Lugeja küsib: miks kipuvad veetorud ära külmuma just ilma soojemaks minnes? [Võrguväljaanne]
Kalda, Jaan; **Mere, Arvo** novaator.err.ee 2021 "Lugeja küsib: miks kipuvad veetorud ära külmuma just ilma soojemaks minnes?"

Lugeja küsib: miks puit alati tumedamaks läheb? [Võrguväljaanne]
novaator.err.ee 2021 / fot Lugeja küsib: miks puit alati tumedamaks läheb?

Lõppsõna
Kuusik, Rein, keemik 30 aastat Eesti Meestelaulu Seltsi Tallinna Meeskoori : 1989-2019 2019 / lk. 86
https://www.ester.ee/record=b5280542*est

Maailma suurima prahisaare pindala on Eestist 34 korda suurem. Eestlased panevad Euroopa plastivõitlusele õla alla
Mölder, Henry arileht.delfi.ee 2023 Maailma suurima prahisaare pindala on Eestist 34 korda suurem. Eestlased panevad Euroopa plastivõitlusele õla alla

Maarja Grossberg : Eestis tehtav teadus muudab päikesepaneelid tarbijale kättesaadavamaks
Grossberg, Maarja heureka.postimees.ee 2019 / fot Maarja Grossberg: Eestis tehtav teadus muudab päikesepaneelid tarbijale kättesaadavamaks

Maarja Grossberg ja Jüri Krustok: teadus areneb alati säästlikuma ja tõhusama poole
Grossberg, Maarja; **Krustok, Jüri** Mente et Manu 2021 / lk. 12-17 : fot Mente et Manu 2/2021

Maarja Grossberg-Kuusk: elu akadeemilisel rajal ja teekond tippteadusesse
Grossberg-Kuusk, Maarja delfi.ee 2025 https://arileht.delfi.ee/artikkel/120372392/maarja-grossberg-kuusk-elu-akadeemilisel-rajal-ja-teekond-tippteadusesse

Magnetic studies on spinel ferrite nanoparticles and bulk samples synthesized by citrate combustion route
Dimri, Mukesh C.; Khanduri, H.; Agarwal, P.; Garg, V.; **Mere, A.**; Stern R. DAE Solid State Physics symposium 2019, 18–22 December 2019, Jodhpur, India 2020 / art. 030517 https://doi.org/10.1063/5.0016823 Journal metrics at Scopus Article at Scopus Article at WOS

Malle Krunks : kõige uhkem olen järelkasvu üle
Krunks, Malle Mente et Manu 2018 / lk. 12-17 : fot https://www.ttu.ee/ttu-uudised/ajaleht-mente-et-manu/mente-et-manu/ http://www.ester.ee/record=b1242496*est https://artiklid.elnet.ee/record=b2836021*est

Mangaandioksiidi baasil tehnoloogia arendamine joogivee puhastamiseks
Goi, Anna; Vaasma, T.; Suursoo, S.; Leier, M.; Nilb, N. XXXIV Eesti keemiapäevad : 100. aastapäeva teaduskonverentsi teesid 2019 / lk. 14 https://www.ester.ee/record=b5208044*est

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

Marketable products derived from aluminium-containing industrial wastes
11. uluslararası alüminyum sempozyumu : bildiriler kitabi = 11th international aluminium symposium : proceedings book 2023 / p. 263-269 http://www.alusist.com/Content/ALUS11_Bildiriler_Kitabi.pdf

Materials design and bonding : general discussion
Agbenyeke, Raphael; Andreasen, Jens Wenzel; Benhaddou, Nada; Bowers, Jake W.; Breternitz, Joachim; Bär, Marcus; Dimitrievska, Mirjana; Fermin, David J.; Ganose, Alex; **Mandati, Sreekanth** Faraday Discussions 2022 / p. 375-404
https://doi.org/10.1039/D2FD90058K

Materjaliteadlane : tulevikus on päikesepaneelid juba ehitusmaterjalide sees [Võrguväljaanne]
Grossberg, Maarja novaator.err.ee 2020 / audio Materjaliteadlane: tulevikus on päikesepaneelid juba ehitusmaterjalide sees

MC technologies developed for waste materials
Uibu, Mai; **Viires, Regiina**; **Kuusik, Rein, keemik** CO2 sequestration by ex-situ mineral carbonation 2017 / p. 91-131 : ill
https://doi.org/10.1142/9781786341600_0004

Mechanical and physical properties of industrial hemp-based insulation materials
Kallakas, Heikko; Närep, Merili; Närep, Aivo; **Poltimäe, Triinu**; **Kers, Jaan** Proceedings of the Estonian Academy of Sciences

2018 / p. 183-192 : ill https://doi.org/10.3176/proc.2018.2.10 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Mechanical and physical properties of thermally modified wood flour reinforced polypropylene composites [Online resource]
Kallakas, Heikko; **Poltimäe, Triinu**; **Krumme, Andres**; **Kers, Jaan** Tartu Ülikooli ASTRA projekt PER ASPERA : Funktsionaalsed materjalid ja tehnoloogiad : [7-8 märts 2017, Tartu : teesid] 2017 / [1] p http://fmtdk.ut.ee/teesid/

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

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

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

Meie Eesti naised : Naisteadlased, kes parandavad tervist, vaimset heaolu, päikeseenergeetikat ja Eesti majandust
Velthut-Meikas, Agne; **Bachmann, Maie**; **Leoste, Janika**; **Grossberg-Kuusk, Maarja**; **Kauk-Kuusik, Marit** goodnews.ee 2023 Meie Eesti naised : Naisteadlased, kes parandavad tervist, vaimset heaolu, päikeseenergeetikat ja Eesti majandust

Meie paberipuidule saaks rajada rohelise Eesti majandusmootori
Kers, Jaan Eesti Päevaleht 2021 / Lk. 3 https://dea.digar.ee/article/eestipaevaleht/2021/06/15/3.6

Meie seast lahkus TTÜ õppejõud Rein Reiska 07.03.1939-07.07.2020
Eesti Päevaleht 2020 / lk. 15 https://dea.digar.ee/article/eestipaevaleht/2020/07/09/21.2 https://www.ester.ee/record=b1072079*est

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

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

Microplastics and plasticizers in Estonian wastewater treatment plants
Ayankunle, Ayankoya Yemi; **Buhhalko, Natalja**; **Pachel, Karin**; **Lember, Erki**; Heinlaan, Margit PRIMO22 : book of abstracts 2024 / p. 154 https://primo22.org/wp-content/uploads/2024/05/PRIMO22-Book_of_abstracts.pdf

Microstructure and physical-mechanical properties evolution of pure tantalum processed with hard cyclic viscoplastic deformation
Kommel, Lembit; **Omranpour Shahreza, Babak**; **Mikli, Valdek** International journal of refractory metals and hard materials 2019 / art. 104983, 10 p. : ill https://doi.org/10.1016/j.ijrmhm.2019.104983 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Microstructure evolution of TiC cermets with ferritic AISI 430L steel binder
Kolnes, Märt; **Mere, Arvo**; **Kübarsepp, Jakob**; **Viljus, Mart**; **Maaten, Birgit**; **Tarraste, Marek** Powder metallurgy 2018 / p. 197-209 : ill https://doi.org/10.1080/00325899.2018.1447268 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Microwave pyrolysis of cattle manure : initiation mechanism and product characteristics

Tabakaev, Roman; Kalinich, Ivan; Mostovshchikov, Andrei; Dimitryuk, Igor; Asilbekov, Askar; Ibraeva, Kanipa; Gaidabrus, Mariya; Shanenkov, Ivan; Rudmin, Maxim; Yazykov, Nikolay; **Preis, Sergei** Biomass Conversion and Biorefinery 2024 / p. 26193-26204 https://doi.org/10.1007/s13399-023-04686-9 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Mida ootab teadlastelt pakenditööstus?
Krumme, Andres Mente et Manu 2024 / lk. 26-27 : fot https://www.ester.ee/record=b1242496*est

Mida sisaldab voodipesu
Plamus, Tiia Maakodu 2017 / lk. 27 https://www.ester.ee/record=b1072539*est https://maakodu.delfi.ee/artikkel/76790776/mida-sisaldab-voodipesu-vaata-jarele

Miks just puit on Hiiumaa tulevikumaterjal?
Kers, Jaan Hiiu Leht 2023 Miks just puit on Hiiumaa tulevikumaterjal?

Miks köögis kasutatav plast on endiselt valdavalt naftapõhine?
Arndt-Kalju, Margit Oma Maitse 2024 / lk. 33-36 : fot https://www.ester.ee/record=b2069719*est

Miks köögis kasutatav plast on endiselt valdavalt naftapõhine?
Arndt-Kalju, Margit omamaitse.delfi.ee 2024 Miks köögis kasutatav plast on endiselt valdavalt naftapõhine?

Miks puidu rafineerimise teine tulek võiks ja peaks õnnestuma?
Kers, Jaan Äripäev 2021 / Lk. 18 : ill https://www.ester.ee/record=b2952033*est

Milleks meile uued päikesepaneelitehnoloogiad?
Grossberg, Maarja Sirp 2020 / lk. 33-34 : fot https://sirp.ee/s1-artiklid/c21-teadus/milleks-meile-uued-paikesepaneelitehnoloogiad/

Milline pann osta? Kas odav pann teeb töö ära sama hästi kui kallis?
Arndt-Kalju, Margit; Kirikal, Siiri; Skuin, Mari; Tarkmeel, Krõõt delfi.ee 2023 Milline pann osta? Kas odav pann teeb töö ära sama hästi kui kallis?

Millisest materjalist valmistada kaitsemask?
Maaleht Targu Talita : Maalehe nõuandelisa : [ilmub koos Maalehega] 2020 / Lk. 318 https://www.ester.ee/record=b1073018*est

Mineral sequestration of CO2 from Vernasca Ca-looping demo system : scale up to a pilot
Usta, Mustafa Cem; **Uibu, Mai**; **Yörük, Can Rüstü**; **Tamm, Kadriann**; **Kuusik, Rein, keemik**; **Trikkel, Andres**; Gastaldi, Daniela; Canonico, Fulvio Proceedings of the 15th Greenhouse Gas Control Technologies Conference 15-18 March 2021 2021 / 12 p.: ill https://ssrn.com/abstract=3812245 https://doi.org/10.2139/ssrn.3812245

Mineral trapping of CO2 for cement industry de-carbonization
Uibu, Mai; **Usta, Mustafa Cem**; **Tamm, Kadriann**; **Žuravljova, Anastassia**; **Kallas, Juha**; **Kuusik, Rein, keemik**; **Trikkel, Andres** 14th Greenhouse Gas Control Technologies Conference Melbourne 21-26 October 2018 (GHGT-14) 2019 / 8 p. : ill https://ssrn.com/abstract=3365766

Mineral trapping of CO2 in oil shale industry
Tamm, Kadriann; **Uibu, Mai**; **Žuravljova, Anastassia**; **Usta, Mustafa Cem**; **Leier, Ae**; **Kallas, Juha**; **Kuusik, Rein, keemik**; **Trikkel, Andres** https://www.ttu.ee/asutused/polevkivi-kompetentsikeskus 2018 / Poster https://www.ttu.ee/asutused/polevkivi-kompetentsikeskus/konverentsid-ja-koolitused/polevkivikonverentsid/2018-6/posterettekanded/

MIP-based electrochemical sensor for direct detection of hepatitis C virus via E2 envelope protein
Antipchik, Mariia; **Reut, Jekaterina**; **Ayankojo, Akinrinade George**; **Öpik, Andres**; **Sõritski, Vitali** Talanta 2022 / art. 123737 https://doi.org/10.1016/j.talanta.2022.123737 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

MIP-based electrochemical sensors detecting antibiotics and fungicides as emerging contaminants in aqueous environments
Nguyen, Vu Bao Chau; **Ayankojo, Akinrinade George**; **Reut, Jekaterina**; **Sõritski, Vitali** 11th international workshop on surface modification for chemical and biochemical sensing : program and the book of abstracts 2023 / p. 78

Mitmekütuseline Wankelmootor ehk Wankelmootor vol 2
Gregor, Andre Director. Inseneeria 2018 / lk. 100-104 : fot http://www.ester.ee/record=b2336521*est https://artiklid.elnet.ee/record=b2862642*est

Mitoquinol mesylate alleviates oxidative damage in cirrhotic and advanced hepatocellular carcinogenic rats through mitochondrial protection and antioxidative effects
Sulaimon, Lateef Adegboyega; Adisa, Rahmat Adetutu; Samuel, Titilola A.; Abdulkareem, Fatimah Biade; **Ayankojo, Akinrinade George** Advances in Redox Research 2021 / art. 100014 https://doi.org/10.1016/j.arres.2021.100014

Modelling continuous process for precipitated calcium carbonate production from oil shale ash
Tamm, Kadriann; **Kallas, Juha**; **Kuusik, Rein, keemik**; **Uibu, Mai** Energy procedia 2017 / p. 5409-5416 : ill https://doi.org/10.1016/j.egypro.2017.03.1685 Conference proceedings at Scopus Article at Scopus Article at WOS

Modelling of Cu2ZnSnSe4-CdS-ZnO thin film solar cell
Ben Messaoud, Khaled; Brammertz, Guy; Buffière, Marie; **Oueslati, Souhaib** Materials research express 2017 / art. 116403, 13 p. : ill http://dx.doi.org/10.1088/2053-1591/aa94f3

Modification of the optoelectronic properties of Cu2CdSnS4 through low-temperature annealing
Pilvet, Maris; **Kauk-Kuusik, Marit**; **Grossberg, Maarja**; **Raadik, Taavi**; **Mikli, Valdek**; **Traksmaa, Rainer**; **Raudoja, Jaan**; **Timmo, Kristi**; **Krustok, Jüri** Journal of alloys and compounds 2017 / p. 820-825 : ill https://doi.org/10.1016/j.jallcom.2017.06.307 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Modification of the optoelectronic properties of SbISeI absorber material for photovoltaic applications = Päikesepatarei absorbermaterjali SbISeI optoelektroonsete omaduste muutmine
Uslu, Mehmet Ender 2025 https://www.ester.ee/record=b5712268*est https://digikogu.taltech.ee/et/Item/26bc364a-9424-4811-ad7f-4268ab02bc6e https://doi.org/10.23658/taltech.65/2024

Molecular mechanism of mitoquinol mesylate in mitigating the progression of hepatocellular carcinoma - in silico and in vivo studies
Sulaimon, Lateef Adegboyega; Adisa, Rahmat Adetutu; Samuel, Titilola Aderonke; Joel, Ireoluwa Yinka; **Ayankojo, Akinrinade George**; Abdulkareem, Fatimah Biade; Olaniyi, Timothy Olajire Journal of Cellular Biochemistry 2021 / p. 1157-1172 https://doi.org/10.1002/jcb.29937 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Molecular properties of comb-shaped maleimide copolymers in dilute solutions : effect of alkyl side chains
Tarabukina, Elena; Tarasova, Elvira; Filippov, Alexander Polymer Science, Series A 2022 / p. 261-269 https://doi.org/10.1134/S0965545X22700134 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Molecularly imprinted co-polymer for class-selective electrochemical detection of macrolide antibiotics in aqueous media
Nguyen, Vu Bao Chau; **Ayankojo, Akinrinade George**; **Reut, Jekaterina**; Rappich, Jörg; Furchner, Andreas; Hinrichs, Karsten; **Sõritski, Vitali** Sensors and actuators B : chemical 2023 / art. 132768, 9 p. : ill https://doi.org/10.1016/j.snb.2022.132768 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Molecularly imprinted macroporous polymer monolithic layers for L-phenylalanine recognition in complex biological fluids
Antipchik, Mariia; Dzhuzha, Apollinariia; Sirotov, Vasilii; Tennikova, Tatiana; Korzhikova-Vlakh, Evgenia Journal of applied polymer science 2021 / art. e50070 https://doi.org/10.1002/app.50070

Molecularly imprinted polymer as a selective recognition element for detection of azoxystrobin in aqueous media
Nguyen, Vu Bao Chau; **Reut, Jekaterina**; **Sõritski, Vitali** Baltic Polymer Symposium, BPS2023 : programme and abstracts 2023 / p. 28 Molecularly imprinted polymer as a selective recognition element for detection of azoxystrobin in aqueous media

Molecularly imprinted polymer based electrochemical sensor for quantitative detection of SARS-CoV-2 spike protein
Ayankojo, Akinrinade George; **Boroznjak, Roman**; **Reut, Jekaterina**; **Öpik, Andres**; **Sõritski, Vitali** Sensors and Actuators B: Chemical 2022 / Art. 131160 https://doi.org/10.1016/j.snb.2021.131160 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Molecularly imprinted polymer-based electrochemical sensor for detection of azoxystrobin in aqueous media
Nguyen, Vu Bao Chau; **Reut, Jekaterina**; **Sõritski, Vitali** Graduate school of functional materials and technologies scientific conference 2023 2023 / 1 p http://fmtdk.ut.ee/wp-content/uploads/2023/05/Nguyen.pdf

Molecularly imprinted polymer-based electrochemical sensor for the detection of azoxystrobin in aqueous media
Nguyen, Vu Bao Chau; **Reut, Jekaterina**; Rappich, Jörg; Hinrichs, Karsten; **Sõritski, Vitali** Polymers 2024 / art. 1394 https://doi.org/10.3390/polym16101394 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Molecularly imprinted polymer-based SAW sensor for label-free detection of cerebral dopamine neurotrophic factor protein
Kidakova, Anna; **Boroznjak, Roman**; **Reut, Jekaterina**; **Öpik, Andres**; Saarma, Mart; **Sõritski, Vitali** Sensors and actuators B : chemical 2020 / art. 127708, 8 p. : ill https://doi.org/10.1016/j.snb.2020.127708 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Molecularly imprinted polymer-based sensor for electrochemical detection of erythromycin
Ayankojo, Akinrinade George; **Reut, Jekaterina**; **Ciocan, Valeriu**; **Öpik, Andres**; **Sõritski, Vitali** Talanta 2020 / art. 120502, 9 p. : ill https://doi.org/10.1016/j.talanta.2019.120502 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Molecularly imprinted polymer-based sensor for label-free detection of a neurotrophic factor protein - cerebral dopamine

neurotrophic factor
Kidakova, Anna; **Borozņjak, Roman**; **Reut, Jekaterina**; **Öpik, Andres**; **Sõritski, Vitali** The 10th International Conference on Molecular Imprinting, Jerusalem, Israel, June 24-28, 2018 : [abstracts] 2018 / 1 p
https://events.eventact.com/programview2/Agenda/Lecture/174899?code=3666033

Molecularly Imprinted Polymer-modified Electrodes for Electrochemical Sensing of Emerging Aqueous Pollutants = Molekulaarselt jäljendatud polümeeriga modifitseeritud elektroodid esilekerkivate veesaasteainete elektrokeemiliseks tuvastamiseks
Nguyen, Vu Bao Chau 2025 https://www.ester.ee/record=b5758187*est https://digikogu.taltech.ee/et/Item/0bef1a7a-5369-4053-9eab-af6bd9bcb11b https://doi.org/10.23658/taltech.64/2025

Molecularly imprinted polymers as advanced sensing materials for detection of neurotrophic factor proteins
Reut, Jekaterina; **Kidakova, Anna**; **Borozņjak, Roman**; **Öpik, Andres**; **Sõritski, Vitali** 6th International Conference on Bio-Sensing Technology, 16-19 June 2019, Kuala Lumpur, Malaysia : program 2019 / P2.64
https://www.elsevier.com/events/conferences/international-conference-on-bio-sensing-technology

Molecularly imprinted polymers as synthetic antibodies for neurotrophic factor proteins detection.
Kidakova, Anna; **Borozņjak, Roman**; **Reut, Jekaterina**; **Öpik, Andres**; **Sõritski, Vitali** Baltic Polymer Symposium 2019 : Vilnius, Lithuania, 18-20 September 2019 : programme and proceedings 2019 / p. 44 Molecularly imprinted polymers ...

Molecularly imprinted polymers designed to detect antibiotic pollutants in water = Molekulaarselt jäljendatud polümeerid antibiootikumide määramiseks vesikeskkonnas
Ayankojo, Akinrinade George 2018 https://digi.lib.ttu.ee/i/?9952 https://www.ester.ee/record=b5056541*est

Molecularly imprinted polymers interfaced with label-free transducers : towards development of chemosensors for medical diagnostics and environmental monitoring
Sõritski, Vitali SMCBS'2019 : the 9th International Workshop on Surface Modification for Chemical and Biochemical Sensing, Żelechów (near Warsaw), Poland, 8-12 November, 2019 : programme & book of abstracts 2019 / p. 122 : ill
https://www.smcbs2019.pl/_ftp/SMCBS2019_Book_of_abstracts.pdf

Molecularly imprinted polymers: towards development of chemosensors for medical diagnostics and environmental monitoring
Sõritski, Vitali XV Loodusteaduskonna Teaduskonverents 2023 / 34 p. https://taltech.ee/loodusteaduskond/teaduskonna-teaduskonverents https://doi.org/10.48726/1y9d6-46543

Molecularly imprinted poly(meta-phenylenediamine) based QCM sensor for detecting Amoxicillin
Ayankojo, Akinrinade George; **Reut, Jekaterina**; **Borozņjak, Roman**; **Öpik, Andres**; **Sõritski, Vitali** Sensors and actuators B : chemical 2018 / p. 766-774 : ill https://doi.org/10.1016/j.snb.2017.11.194 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Molekulaarselt jäljendatud polümeerid: kaasaegsed biomimeetilised sensormaterjalid meditsiiniliseks diagnostikaks ja keskkonnaseireks
Sõritski, Vitali Eesti Vabariigi preemiad 2023 : teadus. F. J. Wiedemanni keeleauhind. Sport. Kultuur. Haridus 2023 / lk. 92-107
https://doi.org/10.3176/evp.2023.05 https://www.ester.ee/record=b1226072*est

Monograin layer solar cell for future lunar outpost
Kristmann, Katriin; **Altosaar, Mare**; **Raudoja, Jaan**; **Grossberg, Maarja**; **Krustok, Jüri**; **Raadik, Taavi** IAC 2020 congress proceedings Proceedings of the International Astronautical Congress, IAC 2020 / 7 p. : ill Monograin layer solar cell for future lunar outpost https://dl.iafastro.directory/event/IAC-2020/paper/56905/ Conference proceeding at Scopus Article at Scopus

Monograin membranes as artificial thylakoid membranes [Online resource]
Samieipour, Ali; **Kouhiisfahani, Elham**; Morawietz, Tobias; Hiesgen, Renate; **Meissner, Dieter** Tartu Ülikooli ASTRA projekt PER ASPERA : Funktsionaalsed materjalid ja tehnoloogiad : [7-8 märts 2017, Tartu : teesid] 2017 / [1] p. : ill http://fmtdk.ut.ee/teesid/

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

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

Multifractal defects versus non-defects in surface analysis
Martsepp, Merike; Laas, Tõnu; Tõkke, Siim; **Mikli, Valdek** Graduate School of Functional Materials and Technology (GSFMT) Scientific Conference : abstracts 2022 / 37 l. Graduate School of Functional Materials and Technology (GSFMT) Scientific Conference 2022

A multi-layer Cu:Ga/In sputtered precursor to improve structural properties of CIGS absorber layer
Misra, Prashant; **Mandati, Sreekanth**; Rao, Tata Naransinga; Sarada, Bulusu V. Materials today: proceedings 2021 / p. 2037-2041 : ill https://doi.org/10.1016/j.matpr.2020.09.545

Multiphysic Analysis of High Power Microwave Filter Using High Performance Aluminium Alloy
Martin-Iglesias, P.; Laso, M.A.G.; **Raadik, Taavi**; Teberio, F.; Percaz, J.M.; Martin-Iglesias, S.; Pambaguian, L.; Lopetegui, T. 2019 IEEE MTT-S International Microwave Workshop Series on Advanced Materials and Processes for RF and THz Applications, July 16-18, 2019 Bochum, Germany : proceedings 2019 / p 58-60 https://doi.org/10.1109/IMWS-AMP.2019.8880080

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

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

Multi-sensor fault diagnosis of induction motors using random forests and support vector machine
Saberi, Alireza Nemat; Sandirasegaram, Sarvavignoban; **Belahcen, Anouar**; **Vaimann, Toomas**; Sobra, Jan 2020 International Conference on Electrical Machines (ICEM), 23-26 august 2020, Gothenburg, Sweden : online : proceedings 2020 / p. 1404–1410 https://doi.org/10.1109/ICEM49940.2020.9270689

Mõttetu tuhk või väärtuslik teemant?
Alvela, Ain Tehnikamaailm 2018 / lk. 80-84 : fot http://www.ester.ee/record=b1073050*est https://artiklid.elnet.ee/record=b2834540*est

Mägesid liigutav innovatsioon
Uibu, Mai Trialoog 2025 https://trialoog.taltech.ee/magesid-liigutav-innovatsioon/

Mööbel : haridusasutuste toolid ja lauad. Osa 2, Ohutusnõuded ja katsemeetodid = Furniture : chairs and tables for educational institutions. Part 2, Safety requirements and test methods
2023 https://www.ester.ee/record=b5568355*est

Mööbel : istmed : püstivuse määramine = Furniture : seating : determination of stability
2024 https://www.ester.ee/record=b5675283*est

Mööbel : narivoodid ja kõrged voodid. Osa 1, Ohutuse, tugevuse ja vastupidavuse nõuded = Furniture : bunk beds and high beds. Part 1, Safety, strength and durability requirements
2024 https://www.ester.ee/record=b5675297*est

Mööbel : narivoodid ja kõrged voodid. Osa 2, Katsemeetodid = Furniture : bunk beds and high beds. Part 2, Test methods
2024 https://www.ester.ee/record=b5675305*est

Mööbel : ohutus, tugevus ja vastupidavus : nõuded koduistmetele = Furniture : safety, strength and durability : requirements for domestic seating
2024 https://www.ester.ee/record=b5713872*est

Mööbel : ohutus, tugevus ja vastupidavus : nõuded kodulaudadele = Furniture : safety, strength and durability : requirements for domestic tables
2023 https://www.ester.ee/record=b5651639*est

Mööbli kavandamine, konstrueerimine, seotised ja furnituur
Kers, Jaan; **Kiiman, Karmo** Puidutöötlemise õpik 2025 / lk. 546-602 : ill https://www.ester.ee/record=b5714083*est https://digikogu.taltech.ee/et/Item/32f67368-0b3f-4f3d-9c57-26b8d9d7bc93

Nafion protective membrane enables using ruthenium oxide electrodes for pH measurement in milk
Lazouskaya, Maryna; **Scheler, Ott**; **Mikli, Valdek**; Uppuluri, Kiranmai; Zaraska, Krzysztof; Tamm, Martti Journal of The Electrochemical Society 2021 / art. 107511, 12 p. : ill https://doi.org/10.1149/1945-7111/ac2d3c Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Naisteadlasi kütkestab vaheldusrikkus ja võimalus maailma muuta
Grossberg-Kuusk, Maarja; **Volkova, Anna**; **Miller, Annette**; **Roos, Kristine**; **Tammik, Mari-Liis**; **Kuhi-Thalfeldt, Reeli**; **Avarmaa, Mari**; **Stein, Mari-Klara** novaator.err.ee 2023 Naisteadlasi kütkestab vaheldusrikkus ja võimalus maailma muuta

Nanoindentation and surface characterization of clinically retrieved multi-force niti orthodontic archwires
Cherneva, Sabina; Stoyanova-Ivanova, Angelina K.; Georgieva, Mirela; Andreeva, Laura A.; Petkov, Alexander; Petrov, Valeri G.; Petrova, Violeta P.; **Mikli, Valdek** Russian Journal of Biomechanics 2020 / p. 240-256 https://doi.org/10.15593/RJBiomech/2020.3.02 https://ered.pstu.ru/index.php/rjb/article/view/2303 Journal metrics at Scopus Article at Scopus

Nanokiulised materjalid
Krumme, Andres; **Viikna, Anti**; **Plamus, Tiia**; **Viirsalu, Mihkel** Teadusmõte Eestis (X). Tehnikateadused. 3 : [artiklikogumik] 2019 / lk. 75-84 : ill., fot https://www.ester.ee/record=b5208765*est

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

Nationwide review of heavy metals in municipal sludge wastewater treatment plants in China: Sources, composition, accumulation and risk assessment
Cheng, Xiaoqian; Wei, Cong; Ke, Xiong; Pan, Jiamin; Wei, Gengrui; Chen, Yao; Wei, Chaohai; Li, Fusheng; **Preis, Sergei** Journal of hazardous materials 2022 / art. 129267 https://doi.org/10.1016/j.jhazmat.2022.129267 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Natural weathering of bio-based façade materials
Alao, Percy Festus; **Visnapuu, Kevin**; **Kallakas, Heikko**; **Poltimäe, Triinu**; **Kers, Jaan** Forests 2020 / art. 642, 12 p. : ill https://doi.org/10.3390/f11060642 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

New antimicrobial CU(II)-polyotungstate/polylactic acid films
Duvanova, Ella; **Krasnou, Illia**; Knyzhnyk, Ivan; Radio, Serhii V.; **Karpichev, Yevgen** Graduate School of Functional Materials and Technology (GSFMT) Scientific Conference : abstracts 2022 / 15 l. Graduate School of Functional Materials and Technology (GSFMT) Scientific Conference 2022

New carbon-based catalyst synthesis from spent li-ion batteries for electrochemical oxygen reduction
Kazemi, Maryam; Liivand, Kerli; Kruusenberg, Ivar; **Walke, Peter**; **Mikli, Valdek**; **Uibu, Mai**; Macdonald, Digby D. GSFMT Scientific Conference 2021 : Tartu, June 14-15, 2021 : abstracts 2021 / P 42 https://fmtdk.ut.ee/wp-content/uploads/2021/06/GSFMT_abstractbook_2021.pdf

A new perspective on fluorapatite dissolution in hydrochloric acid : thermodynamic calculations and experimental study
Tõnsuaadu, Kaia; **Kallas, Juha**; **Kuusik, Rein, keemik**; **Hacialioglu-Erlenheim, Gizem**; **Trikkel, Andres** Inorganics 2021 / art. 65, 11 p. : ill https://doi.org/10.3390/inorganics9080065 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

Nickel oxide films by chemical spray : effect of deposition temperature and solvent type on structural, optical, and surface properties
Chen, Zengjun; **Dedova, Tatjana**; **Oja Acik, Ilona**; **Danilson, Mati**; **Krunks, Malle** Applied surface science 2021 / art. 149118 https://doi.org/10.1016/j.apsusc.2021.149118 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Nii kutsehariduskeskus kui ka kolledž on valmis õpetama puidukeemiat
Sommer-Kalda, Sirle Põhjarannik 2023 / Lk. 6 https://dea.digar.ee/article/pohjarannik/2023/02/09/10.3

Niobium doped TiO2 films by chemical spray pyrolysis [Online resource]
Dündar, Ibrahim; **Oja Acik, Ilona**; **Mere, Arvo**; **Katerski, Atanas**; **Krunks, Malle**; **Mikli, Valdek** Tartu Ülikooli ASTRA projekt PER ASPERA : Funktsionaalsed materjalid ja tehnoloogiad : [7-8 märts 2017, Tartu : teesid] 2017 / [1] p http://fmtdk.ut.ee/teesid/

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

A non-vacuum dip coated SiO2 interface layer for fabricating CIGS solar cells on stainless steel foil substrates
Misra, Prashant; Atchuta, S. R.; **Mandati, Sreekanth**; Sarada, Bulusu V.; Rao, Tata Naransinga; Sakthivel, S. Solar energy 2021 / p. 471−477 : ill https://doi.org/10.1016/j.solener.2020.12.007

Non-wovens as sound reducers

Belakova, Dana; Seile, Arta; Kukle, Silvija; **Plamus, Tiia** Latvian journal of physics and technical sciences 2018 / p. 64-76 : ill https://doi.org/10.2478/lpts-2018-0014 Journal metrics at Scopus Article at Scopus

Noorteadlaste ühendatud jõud - Eesti Noorte Teaduste Akadeemia
Grossberg, Maarja Mente et Manu 2018 / lk. 42-43 : fot http://dea.digar.ee/publication/AKmenteetmanu http://www.ester.ee/record=b1242496*est https://artiklid.elnet.ee/record=b2862660*est

Novel chalcogenides, pnictides and defect-tolerant semiconductors : general discussion
Andreasen, Jens Wenzel; Arca, Elisabetta; Bowers, Jake W.; Bär, Marcus; Breternitz, Joachim; Dale, Phillip J.; Dimitrievska, Mirjana; Fermin, David J.; Ganose, Alex; **Mandati, Sreekanth** Faraday Discussions 2022 / p. 287-316 https://doi.org/10.1039/D2FD90057B

Novel materials for future PV technologies [Online resource]
Krunks, Malle International Conference "Functional Materials and Nanotechnologies 2017" : Tartu, Estonia in April, 24-27, 2017 : book of abstracts 2017 / p. 36 http://www.ester.ee/record=b4668793*est

Novel method for producing electrospun composite nanofibre yarns
Viirsalu, Mihkel; **Savest, Natalja**; **Plamus, Tiia**; **Vassiljeva, Viktoria**; **Krumme, Andres** Proceedings of the Estonian Academy of Sciences 2018 / p. 169-174 : ill https://doi.org/10.3176/proc.2018.2.09 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Novel SiOxNy composite thin films with aligned carbon nanotubes network
Shmagina, Elizaveta; **Mikli, Valdek**; **Bereznev, Sergei** GSFMT Scientific Conference 2023 : Tartu, 23-24 May, 2023 : abstracts 2023 https://fmtdk.ut.ee/programm-2023/

Novel SiOxNy protective coatings with aligned carbon nanotubes network
Shmagina, Elizaveta; **Volobujeva, Olga**; **Mikli, Valdek**; **Bereznev, Sergei** Symposium E : Carbon- and/or nitrogen-containing thin films and nanomaterials : 40th Anniversary 2023 / art. 00680 https://srv3.key4events.com/key4register/AbstractList.aspx?e=31&preview=1&aig=-1&ai=1968

Novel softwood lignin esters as advanced filler to PLA for 3D printing
ACS omega 2024 / p. 44559-44567 https://doi.org/10.1021/acsomega.4c06680 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

Novel treatment method for black liquor and biomass hydrolysate with partial wet oxidation
Muddassar, Hassan Raja; Melin, Kristian; Kuppa, Sarada; Koskinen, Jukka; Hurme, Markku; De Kokkonen, Daniela; **Kallas, Juha** Cellulose chemistry and technology 2015 / p. 347-360 : ill https://www.cellulosechemtechnol.ro/pdf/CCT3-4(2015)/p.347-360.pdf Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Nüüdisaegsed võimalused fosforiidi töötlemiseks
Tamm, Kadriann Virumaa maapõuepäev 2019 : [ettekanded] 2019 / 20 l. : ill Tamm

Observation of band gap fluctuations and carrier localization in Cu2CdGeSe4
Krustok, Jüri; **Raadik, Taavi**; **Kaupmees, Reelika**; **Grossberg, Maarja**; **Kauk-Kuusik, Marit**; **Timmo, Kristi**; **Mere, Arvo** Journal of physics D : applied physics 2019 / art. 285102 , 7 p. : ill https://doi.org/10.1088/1361-6463/ab1afd Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Observation of photoluminescence edge emission in CuSbSe2 absorber material for photovoltaic applications
Penežko, Aleksei; **Kauk-Kuusik, Marit**; **Volobujeva, Olga**; **Traksmaa, Rainer**; **Grossberg, Maarja** Applied physics letters 2019 / art. 092101, 4 p. : ill https://doi.org/10.1063/1.5114893 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Oleviku- ja tulevikumaavarade uuringud Eestis : RITA MAARE
Ainsaar, Leho; Menert, Anne; Lust, Enn; **Tõnsuaadu, Kaia**; Kirsimäe, Kalle Riigikogu Toimetised 2021 / lk. 69–78 : ill https://www.ester.ee/record=b1361123*est https://rito.riigikogu.ee/wordpress/wp-content/uploads/2021/12/RiTo-44.pdf

Oma Maitse otsib parimat panni
Oma Maitse 2023 / lk. 32-36 : ill https://www.ester.ee/record=b2069719*est Oma Maitse...

Omar Parve : minu küsimused sõjamuuseumile seoses Rakvere Nõukogude sõjahaua ümbermatmisega
Parve, Omar 2022 Omar Parve : minu küsimused sõjamuuseumile seoses Rakvere Nõukogude sõjahaua ümbermatmisega

Omar Parve: erakondade demokraatlikkuse peaks seadusse kirjutama
Parve, Omar err.ee 2025 https://www.err.ee/1609719366/omar-parve-erakondade-demokraatlikkuse-peaks-seadusse-kirjutama

One-stage pulsed laser deposition of conductive zinc oxysulfide layers
Bereznev, Sergei; Kocharyan, Hrachya; **Maticiuc, Natalia**; **Naidu, Revathi**; **Volobujeva, Olga**; Tverjanovich, Andrey; **Kois, Julia** Applied surface science 2017 / p. 722-727 : ill https://doi.org/10.1016/j.apsusc.2017.07.078 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

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

Optical and photoelectric properties of nanolamellar structures obtained by thermal annealing of InSe plates in Zn vapours (Phys. Status Solidi A 4⁄2018) : graphical abstract
Untila, Dumitru; Evtodiev, Igor; Caraman, Iuliana; **Spalatu, Nicolae**; Dmitroglo, Liliana; Caraman, Mihail Physica status solidi (a) : applications and materials science 2018 / art. 1870007 https://doi.org/10.1002/pssa.201870007

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

Optical study of valence band splitting and resonant acceptor states in Cu2GeS3 microcrystals
Krustok, Jüri; **Kaupmees, Reelika**; **Kokla, Joel**; **Kauk-Kuusik, Marit** Applied physics letters 2024 / art. 242111 https://doi.org/10.1063/5.0245139

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

Optimization and degradation studies of cellulose transesterification to palmitate esters in superbase ionic liquid
Savale, Nutan Bharat; **Tarasova, Elvira**; **Krasnou, Illia**; **Kudrjašova, Marina**; Rjabovs, Vitālijs; Reile, Indrek; Heinmaa, I. A.; **Krumme, Andres** Carbohydrate Research 2024 / art. 109047 https://doi.org/10.1016/j.carres.2024.109047 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Optimization and scale-up of the pre-treatment of nickel mesh for improved electrochemical properties for alkaline water electrolysis
Tammemägi, Mona; Prits, Alise-Valentine; **Niidu, Allan**; Küngas, Rainer BEChem 2024 : 8th Baltic Electrochemistry Conference : Finding New Inspiration 2 (BEChem 2024), Tartu, Estonia, April 14-17, 2024 2024 https://sisu.ut.ee/wp-content/uploads/sites/638/tammemagi_mona.pdf

Optimization of aqueous media treatment with pulsed corona discharge : hydrodynamics and kinetics conformed with the discharge parameters and energy efficiency = Impulss koroona elektrilahenduse optimeerimine vesikeskkonna töötlemiseks : hüdrodünaamika ja kineetika lähtuvalt elektrilahenduse parameetritest ning energia efektiivsusest
Tikker, Priit 2022 https://doi.org/10.23658/taltech.42/2022 https://digikogu.taltech.ee/et/Item/00388653-484b-41dd-bcb7-a67df7b65d6e https://www.ester.ee/record=b5508894*est

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 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

Optimization ofwheat-straw-extractedcellulose via response surface methodology and mechanical properties of its poly(lactide)-based biocomposites
Qasim, Umair; Ali, Muzaffar; Usman, Muhammad Polymer composites 2020 / p. 5355−5364 https://doi.org/10.1002/pc.25799

Optimized spray density in water treatment with gas-phase pulsed corona discharge
Tikker, Priit; Kornev, Iakov; **Preis, Sergei** 6th European Conference on Environmetal Applications of Advanced Oxidation Processes, Portorož - Portorose, Slovenia, 26-30 June 2019 : book of abstracts 2019 / p. 678–679

Optimizing Pt catalyst performance for oxygen reduction reaction via surface functionalization of Vulcan XC-72R carbon black support
Najafli, Erkin; **Grossberg, Maarja**; **Mikli, Valdek**; Walke, Peter R.; Ratso, Sander; Kruusenberg, Ivar Journal of Applied Electrochemistry 2025 / p. 1187–1200 https://doi.org/10.1007/s10800-024-02238-1

The optoelectonic properties of Sb2 (Se1-x, Sx)3 (x= 0 - 1) solid solutions
Ender, Mehmet; **Volobujeva, Olga**; **Timmo, Kristi**; **Grossberg, Maarja** GSFMT Scientific Conference 2021 : Tartu, June 14-15, 2021 : abstracts 2021 / P 4 https://fmtdk.ut.ee/wp-content/uploads/2021/06/GSFMT_abstractbook_2021.pdf

Origin of photoluminescence from antimony selenide
Grossberg, Maarja; **Volobujeva, Olga**; **Penežko, Aleksei**; **Kaupmees, Reelika**; **Raadik, Taavi**; **Krustok, Jüri** Journal of alloys and compounds 2020 / art. 152716, 5 p. : ill https://doi.org/10.1016/j.jallcom.2019.152716 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Osooni mõju atsetooniauru fotokatalüütilisele oksüdeerimisele
Kask, Maarja; **Bolobajev, Juri**; **Kritševskaja, Marina** XXXIV Eesti keemiapäevad : 100. aastapäeva teaduskonverentsi teesid 2019 / lk. 17

Ozonation of aqueous phenol catalyzed by biochar produced from sludge obtained in the treatment of coking wastewater
Zhang, Fengzhen; Wu, Kaiyi; Zhou, Hongtao; Hu, Yun; **Preis, Sergei**; Wu, Haizhen; Wei, Chaohai Journal of environmental management 2018 / p. 376-386 : ill https://doi.org/10.1016/j.jenvman.2018.07.038 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Ozone-assisted degradation of 2-methoxyethanol in a prototype plug flow photocatalytic reactor
Altof, Kristen; **Krichevskaya, Marina**; **Preis, Sergei**; **Tähemaa, Toivo**; **Bolobajev, Juri** Chemical engineering journal 2024 / art. 148488 https://doi.org/10.1016/j.cej.2023.148488 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Oxidation energy efficiency in water treatment with gas-phase pulsed corona discharge as a function of spray density
Tikker, Priit; Kornev, Iakov; **Preis, Sergei** Journal of electrostatics 2020 / art. 103466, 5 p. : ill https://doi.org/10.1016/j.elstat.2020.103466 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Oxidation energy efficiency in water treatment with gas-phase pulsed corona discharge as a function of spray density : [conference paper]
Tikker, Priit; Kornev, Iakov; **Preis, Sergei** GSFMT Scientific Conference 2020 : Tallinn, February 4-5, 2020 : abstracts 2020 / p. 83 http://fmtdk.ut.ee/wp-content/uploads/2020/01/GSFMT2020.pdf

Oxidation of airborne m-Xylene in pulsed corona discharge: Impact of water sprinkling
Altof, Kristen; **Krichevskaya, Marina**; **Preis, Sergei**; **Bolobajev, Juri** ChemEngineering 2024 / art. 99 https://doi.org/10.3390/chemengineering8050099

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 bisphenols A and S by pulsed corona discharge : impacts of process control parameters and oxidation products identification : [conference paper]
Tikker, Priit; **Nikitin, Dmitri**; **Preis, Sergei** MonGOS International Conference Water and Sewage in the Circular Economy Model : abstract book 2022 / p. 69 https://www.researchgate.net/publication/362102748

Oxidation of aqueous corticosteroid dexamethasone with pulsed corona discharge
Onga, Liina; **Kattel-Salusoo, Eneliis**; **Trapido, Marina**; **Preis, Sergei** GSFMT Scientific Conference 2021 : Tartu, June 14-15, 2021 : abstracts 2021 / P 20 https://fmtdk.ut.ee/wp-content/uploads/2021/06/GSFMT_abstractbook_2021.pdf

Oxidation of aqueous dexamethasone solution by gas-phase pulsed corona discharge
Onga, Liina; **Kattel-Salusoo, Eneliis**; **Trapido, Marina**; **Preis, Sergei** Water 2022 / art. 467 https://doi.org/10.3390/w14030467 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Oxidation of aqueous dexamethasone solution by gas-phased pulsed coronadischarge
Onga, Liina; **Kattel-Salusoo, Eneliis**; **Trapido, Marina**; **Preis, Sergei** MonGOS International Conference Water and Sewage in the Circular Economy Model : abstract book 2022 / p. 70 https://www.mongos-conference.eu/

Oxidation of aqueous naproxen using gas-phase pulsed corona discharge : impact of operation parameters
Kopecka, Romana; **Onga, Liina**; **Preis, Sergei** Water 2022 / art. 3327 https://doi.org/10.3390/w14203327 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

Oxidation of aqueous organic molecules in gas-phase pulsed corona discharge : impact of operation parameters = Orgaaniliste molekulide oksüdeerimine gaasifaasilise koroona-impulss elektrilahendusega : töörežiimi parameetrite mõju
Onga, Liina 2022 https://doi.org/10.23658/taltech.26/2022 https://digikogu.taltech.ee/et/Item/3cbfe919-6281-4331-8fcb-d4dbb0de1b4c https://www.ester.ee/record=b5499812*est

Oxidation of aqueous organic molecules in gas-phase pulsed corona discharge affected by sodium dodecyl sulphate: Explanation of variability
Onga, Liina; **Borozniak, Roman**; Kornev, Iakov; **Preis, Sergei** Journal of electrostatics 2021 / art. 103581, 6 p https://doi.org/10.1016/j.elstat.2021.103581 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Oxidation of aqueous pharmaceuticals with persulfate activated by non-thermal plasma
Nikitin, Dmitri; **Kattel-Salusoo, Eneliis**; **Preis, Sergei**; **Dulova, Niina** Journal of international scientific publications : ecology & safety 2023 / p. 58−66 https://www.scientific-publications.net/en/article/1002624/

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

Oxidation of bisphenol a by pulsed corona discharge : impacts of plasma-liquid contact surface and a surfactant radical scavenger
Nikitin, Dmitri; **Tikker, Priit**; **Preis, Sergei** GSFMT Scientific Conference 2021 : Tartu, June 14-15, 2021 : abstracts 2021 / P 37 https://fmtdk.ut.ee/wp-content/uploads/2021/06/GSFMT_abstractbook_2021.pdf

Oxidation of dexamethasone by photochemical processes in aqueous matrices : a comparative study
Onga, Liina; **Kattel-Salusoo, Eneliis**; **Dulova, Niina** GEET International Conference : Green Energy and Enviromental Technology : Abstract Book 2022 https://scik.eu/Rome2022/GrAbBo.php

Oxidation of reactive azo-dyes with pulsed corona discharge : surface reaction enhancement
Onga, Liina; Kornev, Iakov; **Preis, Sergei** Journal of electrostatics 2020 / art. 103420, 5 p. : ill https://doi.org/10.1016/j.elstat.2020.103420 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Oxidation of reactive azo-dyes with pulsed corona discharge : surface reaction enhancement : [conference paper]
Onga, Liina; Kornev, Iakov; **Preis, Sergei** GSFMT Scientific Conference 2020 : Tallinn, February 4-5, 2020 : abstracts 2020 / p. 68 http://fmtdk.ut.ee/wp-content/uploads/2020/01/GSFMT2020.pdf

Oxidation of ubiquitous aqueous pharmaceuticals with pulsed corona discharge
Derevshchikov, Vladimir; **Dulova, Niina**; **Preis, Sergei** Journal of electrostatics 2021 / art. 103567, 9 p.: ill https://doi.org/10.1016/j.elstat.2021.103567 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Oxidative degradation of emerging micropollutant acesulfame in aqueous matrices by UVA-induced H2O2/Fe2+ and S2O8 2/Fe2+ processes
Kattel, Eneliis; **Trapido, Marina**; **Dulova, Niina** Chemosphere 2017 / p. 528-536 : ill https://doi.org/10.1016/j.chemosphere.2016.12.104 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Oxidative degradation of vancomycin by UV and pulsed corona discharge in combination with oxidants: hydrogen peroxide, peroxymonosulfate and peroxydisulfate
Nikitin, Dmitri; Kaur, Balpreet; **Preis, Sergei**; **Dulova, Niina** GEET International Conference : Green Energy and Enviromental

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

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

Paneb imestama: kas koroonaviiruse vaktsiini sees on tõepoolest magnet?! : selgitav video
forte.delfi.ee 2021 / video Video

A Pathway to Circular Economy-Converting Li-Ion Battery Recycling Waste into Graphite/rGO Composite Electrocatalysts for Zinc–Air Batteries
Praats, Reio; **Sainio, Jani**; **Vikberg, Milla**; **Klemettinen, Lassi**; **Wilson, Benjamin P.**; **Lundström, Mari**; **Kruusenberg, Ivar**; **Liivand, Kerli** Batteries 2025 / art. 165, 18 p. : ill https://doi.org/10.3390/batteries11040165

Pealtnäha samasuguste maskide omadused erinevad tohutult
Jõesaar, Tuuli LP : Eesti Päevaleht 2020 / Lk. 4-6 : ill https://www.ester.ee/record=b1072079*est

Peat as a carbon source for non-platinum group metal oxygen electrocatalysts and AEMFC cathodes
Teppor, Patrick; Jäger, Rutha; Paalo, Maarja; Adamson, Anu; Härmas, Meelis; **Volobujeva, Olga**; Aruväli, Jaan; Palm, Rasmus; Lust, Enn International Journal of Hydrogen Energy 2022 / p. 16908 - 16920 https://doi.org/10.1016/j.ijhydene.2022.03.199 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Peat-derived carbon-based non-platinum group metal type catalyst for oxygen reduction and evolution reactions
Teppor, Patrick; Jäger, Rutha; Paalo, Maarja; Palm, Rasmus; **Volobujeva, Olga**; Härk, Eneli; Kochovski, Zdravko; Romann, Tavo; Härmas, R.; Aruväli, Jaan; Kikas, Arvo; Lust, Enn Electrochemistry Communications 2020 / art. 106700 https://doi.org/10.1016/j.elecom.2020.106700 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Peat-derived carbon-based non-platinum group metal type catalyst for oxygen reduction and evolution reactions
Teppor, Patrick; Jäger, Rutha; Paalo, Madis; Palm, R.; **Volobujeva, Olga**; Härk, E.; Kochovski, Z.; Romann, Tavo; Härmas, R.; Aruväli, J.; Kikas, A.; Lust, Enn GSFMT Scientific Conference 2020 : Tallinn, February 4-5, 2020 : abstracts 2020 / p. 81 http://fmtdk.ut.ee/wp-content/uploads/2020/01/GSFMT2020.pdf

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 evaluation of flue gas cured calcium rich fly ash-based building blocks : [flash paper presentation]
Usta, Mustafa Cem; **Adegbile, A. M.**; **Gregor, Andre**; Paaver, Peeter; **Hain, Tiina**; **Yörük, Can Rüstü**; **Uibu, Mai**; **Trikkel, Andres** 17th International Conference on Environmental Science and Technology CEST2021, 1-4 September 2021, Athens, Greece 2021 / [flash paper presentation]

Performance of a building integrated semitransparent photovoltaic facade on a residential house in Northern Europe
Jagomägi, Andri; Wimmer, Andreas; **Thalfeldt, Martin** EU PVSEC 2017 : 33rd European Photovoltaic Solar Energy Conference and Exhibition : 25-29 September 2017, Amsterdam, The Netherlands 2017 / p. 2537-2547 http://dx.doi.org/10.4229/EUPVSEC20172017-6BV.3.46

The performance of fibrous CDC electrodes in aqueous and non-aqueous electrolytes
Malmberg, Siret; Arulepp, Mati; **Laanemets, Krista**; Käärik, Maike; Laheäär, Ann; **Tarasova, Elvira**; **Vassiljeva, Viktoria**; **Krasnou, Illia**; **Krumme, Andres** C : Journal of Carbon Research 2021 / art. 46 https://doi.org/10.3390/c7020046

Performance of TiO2:Sm3+ based optical sensor embedded in cavitated polymer films
Tikk, Taavi; Lange, Sven; Paara, Tõnis; Eltermann, Marko; **Krumme, Andres** GSFMT Scientific Conference 2020 : Tallinn, February 4-5, 2020 : abstracts 2020 / p. 82 http://fmtdk.ut.ee/wp-content/uploads/2020/01/GSFMT2020.pdf

Performance of TIO2:SM3+ based optical sensor embedded in cavitated polymer ilms
Tikk, Taavi; Lange, Sven; Paara, Tõnis; Eltermann, Marko; **Krumme, Andres** Graduate School of Functional Materials and Technology (GSFMT) Scientific Conference : abstracts 2022 / 62 l. Graduate School of Functional Materials and Technology (GSFMT) Scientific Conference 2022

Performance of UIO-66-NH2 on oxidation of debenzothiophene from a model fuel : optimization using response surface

methodology
Barghi, Bijan; Niidu, Allan; Raag, Anastassia; Jürisoo, Martin; Volokhova, Maria; **Mikli, Valdek** Graduate School of Functional Materials and Technology (GSFMT) Scientific Conference : abstracts 2022 / 8 l. Graduate School of Functional Materials and Technology (GSFMT) Scientific Conference 2022

Perovskite QDs embedded in polymer as a wavelength-shifting layer for UV-sensitized silicon sensors
Sosna-Glebska, Aleksandra; Rezek, Bohuslav; Ukraintsev, Egor; **Sibinski, Maciej** Journal of luminescence 2024 / art. 120618
https://doi.org/10.1016/j.jlumin.2024.120618 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Persulfate activated by non-thermal plasma for pharmaceuticals degradation
Nikitin, Dmitri; **Kattel-Salusoo, Eneliis**; **Preis, Sergei**; **Dulova, Niina** IOA 26th World Congress & Exhibition Milano 2023 : proceedings 2023 / p. 18.1-1−18.1-5 https://www.ioa-ea3g.org/congress/technical-programme/information-for-authors/

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

Persulfate contribution to photolytic and pulsed corona discharge oxidation of metformin and tramadol in water : [conference paper]
Nikitin, Dmitri; Kaur, Balpreet; **Preis, Sergei**; **Dulova, Niina** Graduate School of Functional Materials and Technology (GSFMT) Scientific Conference : abstracts 2022 / p. 44 Graduate School of Functional Materials and Technology (GSFMT) Scientific Conference 2022

Persulfate-based photodegradation of a beta-lactam antibiotic amoxicillin in aqueous matrices
Kattel, Eneliis; **Balpreet Kaur**; **Trapido, Marina**; **Dulova, Niina** 5th European Conference on Environmental Applications of Advanced Oxidation Processes (EAAOP5) : book of abstracts 2017 / p. 407 https://photo-catalysis.org/events/901/photo/book_of_proceedings_eaaop5_prague.pdf

Persulfate-based photodegradation of a beta-lactam antibiotic amoxicillin invarious water matrices
Kattel, Eneliis; **Balpreet Kaur**; **Trapido, Marina**; **Dulova, Niina** Environmental technology 2020 / p. 202-210 : ill
https://doi.org/10.1080/09593330.2018.1493149 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Persulfate-based photodegradation of beta-lactam antibiotic amoxicillin in aqueous matrices
Kattel, Eneliis; **Balpreet Kaur**; **Trapido, Marina**; **Dulova, Niina** 5th European Conference on Environmental Applications of Advanced Oxidation Processes (EAAOP5) : book of abstracts 2017 / p. 167
http://www.eaaop5.com/files/%20Book_of_proceedings_EAAOP5_Prague2.pdf

Pharmacological significance of MitoQ in ameliorating mitochondria-related diseases
Sulaimon, Lateef Adegboyega; Afolabi, Lukman Olalekan; Adisa, Rahmat Adetutu; **Ayankojo, Akinrinade George**; Afolabi, Mariam Olanrewaju; Adewolu, Abiodun Mohammed; Wan, Xiaochun Advances in Redox Research 2022 / art. 100037
https://doi.org/10.1016/j.arres.2022.100037

Phase and structural investigations of the content of natural radionuclides in rock and inorganic building materials
Serafimova, Ekaterina; Petkova, Vilma; **Kaljuvee, Tiit** IOP conference series : materials science and engineering 2023 / 8 p. : ill
https://doi.org/10.1088/1757-899x/1264/1/012003

Photo- and electropolymerization approaches for molecular imprinting of a neurotrophic factor protein
Kidakova, Anna; **Boroznjak, Roman**; **Reut, Jekaterina**; **Öpik, Andres**; **Sõritski, Vitali** GSFMT Scientific Conference 2020 : Tallinn, February 4-5, 2020 : abstracts 2020 / p. 43 http://fmtdk.ut.ee/wp-content/uploads/2020/01/GSFMT2020.pdf

Photo- and Electropolymerization Approaches for Molecular Imprinting of a Neurotrophic Factor Protein = Foto- ja elektropolümerisatsiooni meetodid neurotroofsete tegurite molekulaarseks jäljendamiseks
Kidakova, Anna 2020 https://digikogu.taltech.ee/et/Item/2ca7105c-05df-4af9-91cc-0e85d3840dc2

Photocatalytic activity of quenched flame-synthesized titania nanoparticles
Klauson, Deniss; Hauser, G. I.; **Kritševskaja, Marina**; Moiseev, Anna; Weber, Alfred; Deubener, Joachim 5th European Conference on Environmental Applications of Advanced Oxidation Processes (EAAOP5) : book of abstracts 2017 / p. 199
https://photo-catalysis.org/events/901/photo/book_of_proceedings_eaaop5_prague.pdf

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

Photocatalytic degradation of trimethoprim enhanced by organic aerogels
Bolobajev, Juri; **Kreek, Kristiina**; **Koel, Mihkel**; **Goi, Anna** 5th European Conference on Environmental Applications of Advanced Oxidation Processes (EAAOP5) : book of abstracts 2017 / p. 110 https://photo-catalysis.org/events/901/photo/book_of_proceedings_eaaop5_prague.pdf

Photocatalytic oxidation of VOCs AS individual air pollutants and in mixtures on the TIO2 thin films
Sydorenko, Jekaterina; **Mere, Arvo**; **Krunks, Malle**; **Kritševskaja, Marina**; **Oja Acik, Ilona** Graduate School of Functional Materials and Technology (GSFMT) Scientific Conference : abstracts 2022 / 58 l. Graduate School of Functional Materials and Technology (GSFMT) Scientific Conference 2022

Photocatalytic TIO2 thin films by ultrasonic spray pyrolysis for air purification
Dündar, Ibrahim; **Kritševskaja, Marina**; **Katerski, Atanas**; **Krunks, Malle**; **Oja Acik, Ilona** GSFMT Scientific Conference 2020 : Tallinn, February 4-5, 2020 : abstracts 2020 / p. 21 http://fmtdk.ut.ee/wp-content/uploads/2020/01/GSFMT2020.pdf

Photochemical degradation and mineralization of amoxicillin in different water matrices [Online resource]
Kattel, Eneliis; **Balpreet Kaur**; **Trapido, Marina**; **Dulova, Niina** Tartu Ülikooli ASTRA projekt PER ASPERA : Funktsionaalsed materjalid ja tehnoloogiad : [7-8 märts 2017, Tartu : teesid] 2017 / [1] p http://fmtdk.ut.ee/teesid/

Photochemical oxidation of ceftriaxone by magnetite-activated persulfate [Online resource]
Tikker, Priit; **Kattel, Eneliis**; **Dulova, Niina** Tartu Ülikooli ASTRA projekt PER ASPERA : Funktsionaalsed materjalid ja tehnoloogiad : [4.-5. veebr. 2019, Tartu : teesid] 2019 / 1 p http://fmtdk.ut.ee/teesid-2019/

Photoelectrochemical deposition of PPY onto hydrogenated A-SI for optoelectronic applications
Dosenovicova, Denisa; **Maricheva, Jelena**; Neumüller, Alex; Sergeev, Oleg; **Volobujeva, Olga**; Nasibulin, Albert; **Kois, Julia**; **Öpik, Andres**; **Bereznev, Sergei** Open Readings 2017 : 60th International Conference for Students of Physics and Natural Sciences, March 14-17, 2017, Vilnius, Lithuania : programme and abstracts 2017 / p. 241 http://www.openreadings.eu/wp-content/uploads/2017/03/OR2017_abstracts_book.pdf

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

Photo-induced oxidation of ceftriaxone by persulfate in the presence of iron oxides
Balpreet Kaur; **Kuntus, Liina**; **Tikker, Priit**; **Kattel, Eneliis**; **Trapido, Marina**; **Dulova, Niina** Science of the total environment 2019 / p. 165–175 : ill https://doi.org/10.1016/j.scitotenv.2019.04.277 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Photo-induced persulfate oxidation of emerging micropollutants in water matrices [Online resource]
Balpreet Kaur; **Kattel, Eneliis**; **Trapido, Marina**; **Dulova, Niina** Tartu Ülikooli ASTRA projekt PER ASPERA : Funktsionaalsed materjalid ja tehnoloogiad : [4.-5. veebr. 2019, Tartu : teesid] 2019 / 1 p http://fmtdk.ut.ee/teesid-2019/

Photo-induced persulfate oxidation of emerging micropollutants in water matrices [Online resource]
Dulova, Niina; **Kattel, Eneliis**; **Balpreet Kaur**; **Trapido, Marina** Ozone and Advanced Oxidation Solutions for Emerging Pollutants of Concern to the Water and the Environment : International Conference & Exibition EA3G2018, 5 – 7 September 2018, Lausanne, Switzerland : programme, book of abtracts 2018 / p. 17 http://www.ioa-ea3g.org/fileadmin/documents/EA3G2018_Programme_&_abstract_book.pdf

Photoluminescence and AFM study of WS2 monolayers
Kaupmees, Reelika; Madauß, Lukas; Pollmann, Erik; **Grossberg, Maarja**; **Krustok, Jüri** GSFMT Scientific Conference 2020 : Tallinn, February 4-5, 2020 : abstracts 2020 / p. 41 http://fmtdk.ut.ee/wp-content/uploads/2020/01/GSFMT2020.pdf

Photoluminescence study of B-trion in CVD grown MoS2 monolayers [Online resource]
Kaupmees, Reelika; **Krustok, Jüri** Tartu Ülikooli ASTRA projekt PER ASPERA : Funktsionaalsed materjalid ja tehnoloogiad : [7-8 märtsil 2018, Tallinn : teesid] GSFMT Scientific Conference 2018 : Tallinn, March 7-8, 2018 : abstracts 2018 / 1 p. : ill http://fmtdk.ut.ee/teesid-2018/

Photoluminescence study of B-trions in MoS2 monolayers with high density of defects
Kaupmees, Reelika; Komsa, Hannu-Pekka; **Krustok, Jüri** Physica status solidi (b) 2019 / art. 1800384, 5 p. : ill https://doi.org/10.1002/pssb.201800384 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

A photoluminescence study of CuInSe2 single crystals ion implanted with 5 keV hydrogen
Yakushev, Michael Vasilievich; **Krustok, Jüri**; **Grossberg-Kuusk, Maarja**; Volkov, Vladimir A.; Mudryi, Alexander V.; Martin, Robert W. Journal of Physics D: Applied Physics 2016 / art. 105108 https://doi.org/10.1088/0022-3727/49/10/105108 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

Photopolymerized molecularly imprinted polymer tailored for electrochemical detection of brain-derived neurotrophic factor on screen-printed electrodes
Kidakova, Anna; **Borozņjak, Roman**; **Reut, Jekaterina**; **Öpik, Andres**; **Sõritski, Vitali** EUPOC 2018 : Biomimetic Polymers by Rational Design, Imprinting and Conjugation : 20 - 24 May 2018, Como, Social Como Theatre : abstract booklet & list of partecipants [p.o. participants] 2018 / P22, p. 76 : ill EUPOC 2018

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 routes for the synthesis of kesterite
Ratz, T.; Brammertz, Guy; Caballero, R.; **Timmo, Kristi** Journal of Physics Energy 2019 / art. 042003, 23 p. : ill https://doi.org/10.1088/2515-7655/ab281c

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 characterization on clinically retrieved TriTanium orthodontic archwires
Stoyanova-Ivanova, Angelina; Ilievska, Ivana; Petrova, Violeta P.; Gueorgieva, M.; Petrov, Valeri G.; Andreeva, Laura A.; Zaleski, Andrzej Janusz; **Mikli, Valdek** Bulgarian Chemical Communications 2018 / p. 73 - 79 http://www.bcc.bas.bg/bcc_volumes/Volume_50_Special_F_2018/P73-79_Pages%20from%20BCC_50_Spls_F_2018.pdf Journal metrics at Scopus Article at Scopus

Physicochemical pre- and post-treatment of coking wastewater combined for energy recovery and reduced environmental risk
Li, Zemin; Wei, Tuo; Pan, Jiamin; Liang, Yitong; Ban, Zixin; Ke, Xiong; Kong, Qiaoping; Qiu, Guanglei; Hu, Yun; **Preis, Sergei**; Wei, Chaohai Journal of hazardous materials 2023 / art. 130802, 10 p. : ill https://doi.org/10.1016/j.jhazmat.2023.130802 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Physicochemical research of clinically retrieved CU-NI-TI orthodontic archwires
Stoyanova-Ivanova, Angelina; Petrov, Valeri G.; Petrova, Violeta P.; Andreeva, Laura A.; Ilievska, Ivana; Zaleski, Andrzej Janusz; **Mikli, Valdek** Acta Medica Bulgarica 2021 / p. 68 - 74 https://doi.org/10.2478/amb-2021-0011 Journal metrics at Scopus Article at Scopus

A pilot study of three-stage biological-chemical treatment of landfill leachate applying continuous ferric sludge reuse in Fenton-like process
Klein, Kati; Kivi, Arthur; **Dulova, Niina**; Zekker, Ivar; Mölder, Erik; Tenno, Toomas; **Trapido, Marina**; Tenno, Taavo Clean technologies and environmental policy 2017 / p. 541-551 : ill https://doi.org/10.1007/s10098-016-1245-5 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Plant mediated syntheses of silver nanoparticles using common weed (Plantago Major L.)
Küünal, Siim; **Volobujeva, Olga**; **Rauwel, Protima**; **Rauwel, Erwan** 10th International Conference on Biosystems Engineering 2019 : book of abstracts : May 8-10 2019 Tartu, Estonia 2019 / p. 172 http://dspace.emu.ee/xmlui/bitstream/handle/10492/4955/ABS_2019_Book_VV.pdf?sequence=1&isAllowed=y

Plasma abil vett puhastama
Alvela, Ain Tehnikamaailm : TM : sõidukid, elektroonika, teadus, tehnoloogia 2019 / lk. 84-88 : fot https://www.ester.ee/record=b1073050*est

Plastic contamination in Estonia: novel plasticizers and microplastics in Estonian wastewater treatment plants
Heinlaan, Margit; **Ayankunle, Ayankoya Yemi**; **Vija, Heiki**; **Buhhalko, Natalja**; **Lember, Erki**; **Pachel, Karin** The Gulf of Finland and Eastern Baltic Sea Science Days 2023 : “The future of our co-operation : A nucleus to transboundary nurture of the marine environment in transition”, Estonian Academy of Sciences, Tallinn, 16–17 November 2023 : abstracts 2023 / p. 26-27 https://www.akadeemia.ee/wp-content/uploads/2023/11/gof-science-days-2023-abstracts-for-web-2.pdf

Plastid, probleem ja lahendus
Krumme, Andres Sirp 2019 / lk. 34-36 : fot https://www.ester.ee/record=b1072938*est https://sirp.ee/s1-artiklid/c21-teadus/plastid-probleem-ja-lahendus/

Plastijäätmete ringlussevõtt : probleemid tehnoloogiad, lahendused
Krumme, Andres Mente et Manu 2021 / lk. 4-6 : fot https://www.ester.ee/record=b1242496*est

Plastimure
Krumme, Andres Sirp 2020 / lk. 7-8 : fot https://www.sirp.ee/s1-artiklid/c21-teadus/plastimure/ https://www.ester.ee/record=b1072938*est

Platinum-free oxygen electrocatalysts and alkaline fuel cell cathodes fabricated from peat
Teppor, Patrick; Jäger, Rutha; Paalo, Maarja; Härmas, Meelis; Adamso, Anu; **Volobujeva, Olga**; Aruväli, Jaan; Palm, Rasmus; Lust, Enn Graduate School of Functional Materials and Technology (GSFMT) Scientific Conference : abstracts 2022 / 61 l. Graduate School of Functional Materials and Technology (GSFMT) Scientific Conference 2022

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

Polypeptide self-assembled nanoparticles as delivery systems for polymyxins B and E
ludin, D.; Zashikhina, N.; Demyanova, E.; Korzhikov-Vlakh, V.; Shcherbakova, E.; **Borozнjak, Roman**; Tarasenko, I.; Zakharova, N.; Lavrentieva, A.; Skorik, Y.; Korzhikova-Vlakh, E. Pharmaceutics 2020 / art. 868, 20 p. : ill https://doi.org/10.3390/pharmaceutics12090868 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

Post deposition annealing effect on properties of CdS films and its impact on CdS/Sb2Se3 solar cells performance
Gopi, Sajeesh Vadakkedath; **Spalatu, Nicolae**; **Basnayaka, Madhawa**; **Krautmann, Robert**; **Katerski, Atanas**; **Josepson, Raavo**; Grzibovskis, Raitis; Vembris, Aivars; **Krunks, Malle**; **Oja Acik, Ilona** Frontiers in Energy Research 2023 / art. 1162576, 12 p https://doi.org/10.3389/fenrg.2023.1162576 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

A post-deposition annealing approach for organic residues control in TiO2 and its impact on Sb2Se3/TiO2 device performance
Koltsov, Mykhailo; **Krautmann, Robert**; **Katerski, Atanas**; Maticiuc, Natalia; **Krunks, Malle**; **Oja Acik, Ilona**; **Spalatu, Nicolae** Faraday Discussions 2022 / p. 273-286 https://doi.org/10.1039/D2FD00064D Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Post-deposition processing for tuning the properties of Sb2Se3 thin films absorber layer grown by close-spaced sublimation
Krautmann, Robert; **Spalatu, Nicolae**; **Hiie, Jaan**; **Katerski, Atanas**; **Oja Acik, Ilona**; **Krunks, Malle** GSFMT Scientific Conference 2020 : Tallinn, February 4-5, 2020 : abstracts 2020 / p. 47 http://fmtdk.ut.ee/wp-content/uploads/2020/01/GSFMT2020.pdf

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

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

Post-deposition thermal treatment of sprayed SnS films [Online resource]
Polivtseva, Svetlana; **Katerski, Atanas**; **Kärber, Erki**; **Oja Acik, Ilona**; **Mere, Arvo**; **Mikli, Valdek**; **Krunks, Malle** Tartu Ülikooli ASTRA projekt PER ASPERA : Funktsionaalsed materjalid ja tehnoloogiad : [7-8 märts 2017, Tartu : teesid] 2017 / [1] p http://fmtdk.ut.ee/teesid/

Powder XRD microstructural analysis of thermally treated synthetic fluor-hydroxylapatite
Kostov-Kytin, V.V.; Petkova, Vilma; **Kaljuvee, Tiit** Bulgarian chemical communications 2017 / p. 59–70 : ill http://www.bcc.bas.bg/

Power optimized PV microinstallation in the field condition tests
Sibinski, Maciej; Rogowski, Szymon 2024 IEEE 18th International Conference on Compatibility, Power Electronics and Power Engineering (CPE-POWERENG) 2024 / 5 p https://doi.org/10.1109/CPE-POWERENG60842.2024.10604366

Prefab light clay-timber elements for net zero whole-life carbon buildings
Päätalo, Juha; **Alao, Percy Festus**; **Rohumaa, Anti**; **Kers, Jaan**; **Liblik, Johanna**; **Lylykangas, Kimmo Sakari** Journal of sustainable architecture and civil engineering 2024 / p. 89-100 https://doi.org/10.5755/j01.sace.34.1.35561

Prefab light clay-timber elements for net zero whole-life carbon buildings : [conference paper]

Päätalo, Juha; **Kers, Jaan**; **Rohumaa, Anti**; **Alao, Percy Festus**; **Liblik, Johanna**; **Lylykangas, Kimmo Sakari** 5th International Conference Forum Wood Building Baltic : 26-28 February 2024, Tallinn, Estonia : proceedings 2024 / p. 124-125 : ill https://digikogu.taltech.ee/et/Item/22318c67-e0ef-42f1-88c7-34c9d9677b17 https://www.ester.ee/record=b5668645*est

Preparation and characterization of SbSeI thin films
Dolcet Sadurni, Marc; **Timmo, Kristi**; **Mikli, Valdek**; **Volobujeva, Olga**; **Mengü, Idil**; **Krustok, Jüri**; **Grossberg-Kuusk, Maarja**; **Kauk-Kuusik, Marit** Journal of science: Advanced materials and devices 2024 / art. 100664 https://doi.org/10.1016/j.jsamd.2023.100664

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 BaSnO3 target material for pulsed laser deposition [Online resource]
Abdalla, Akram; **Bereznev, Sergei**; **Volobujeva, Olga**; **Mikli, Valdek** Tartu Ülikooli ASTRA projekt PER ASPERA : Funktsionaalsed materjalid ja tehnoloogiad : [7-8 märtsil 2018, Tallinn : teesid] GSFMT Scientific Conference 2018 : Tallinn, March 7-8, 2018 : abstracts 2018 / 1 p http://fmtdk.ut.ee/teesid-2018/

Preparation of CuInSe2 thin films by using various methods : (a short review)
Soonmin, Ho; **Mandati, Sreekanth**; Chandran, Ramkumar; Mallik, Archana; Bhuiyan, M. A. S.; Deepa, K. G. Oriental journal of chemistry 2019 / p. 01-13 : ill http://eprints.intimal.edu.my/1267/1/CuInSe2%20thin%20films%20by%20uisng%20various%20methods_Ho.pdf

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

Preparation of thermoplastic cellulose esters in [mTBNH][OAC] ionic liquid by transesterification reaction
Tarasova, Elvira; **Savale, Nutan Bharat**; **Krasnou, Illia**; **Kudrjašova, Marina**; Rjabovs, Vitalijs; Reile, Indrek; Vares, Lauri; **Kallakas, Heikko**; Kers, Jaan; **Krumme, Andres** Polymers 2023 / art. 3979 https://doi.org/10.3390/polym15193979 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Primary amines as heterogeneous catalysts in an enantioselective [2,3]-Wittig rearrangement reaction
Murre, Aleksandra; **Mikli, Valdek**; **Erkman, Kristin**; **Kanger, Tõnis** iScience 2023 / art. 107822, 18 p. : ill https://doi.org/10.1016/j.isci.2023.107822 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

Processing of lignocellulose in ionic liquids : a cleaner and sustainable approach
Qasim, Umair; Rafiq, Sikander; Jamil, Farrukh; Ahmed, Ashfag; Ali, Touqeer; **Kers, Jaan**; Khurram, M. Shahzad; Hussain, Murid; Inayat, Abrar; Park, Young-Kwon Journal of cleaner production 2021 / art. 129189, 17 p. : ill https://doi.org/10.1016/j.jclepro.2021.129189 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Professor Jaan Kers selgitab, kuidas TalTechi laboris muutub puit rõivaks
Kers, Jaan digi.geenius.ee 2025 https://digi.geenius.ee/blogi/teadus-ja-tulevik/professor-jaan-kers-selgitab-kuidas-taltechi-laboris-muutub-puit-roivaks/

Professor Jaan Kers: uue põlvkonna tselluloositehased on haisuvabad
Kers, Jaan; Olmaru, Jaan Tartu Postimees 2017 / lk. 5 https://artiklid.elnet.ee/record=b2812959*est

Progress and perspectives of nanomaterials for nioenergy production
Pareek, Alka; Mohan, S. Venkata Status and Future Challenges for Non-conventional Energy Sources. Volume 2. 2022 / p. 271-285 https://doi.org/10.1007/978-981-16-4509-9_12

Properties of chitin extracted from Estonian mushrooms
Baumgartner, Stephanie; **Viirsalu, Mihkel**; **Krumme, Andres**; Mendez, James Proceedings of the Estonian Academy of Sciences 2019 / p. 333-336 : ill http://www.kirj.ee/32362/?tpl=1061&c_tpl=1064 https://doi.org/10.3176/proc.2019.3.09 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Properties of Cu-Sb-Se thin films deposited by magnetron co-sputtering for solar cell applications
Penežko, Aleksei; **Kauk-Kuusik, Marit**; **Volobujeva, Olga**; **Grossberg, Maarja** Thin solid films 2021 / art. 139004

https://doi.org/10.1016/j.tsf.2021.139004 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Properties of CuSbSe2 and Sb2Se3 absorber materials for solar cell applications = Päikesepatarei absorbermaterjalide CuSbSe2 ja Sb2Se3 omaduste uurimine
Penežko, Aleksei 2022 https://doi.org/10.23658/taltech.74/2022 https://digikogu.taltech.ee/et/Item/8767ee79-5fa2-4d9a-a63a-73835304d779 https://www.ester.ee/record=b5528448*est

Properties of CuSbSe2 thin film solar cell absorbers deposited by magnetron co-sputtering
Penežko, Aleksei; **Grossberg, Maarja**; **Volobujeva, Olga**; **Kauk-Kuusik, Marit** GSFMT Scientific Conference 2020 : Tallinn, February 4-5, 2020 : abstracts 2020 / p. 71 http://fmtdk.ut.ee/wp-content/uploads/2020/01/GSFMT2020.pdf

Properties of frost-retted hemp fibres for the reinforcement of composites
Marrot, Laetitia; **Alao, Percy Festus**; **Mikli, Valdek**; **Kers, Jaan** Journal of natural fibers 2022 / p. 16017-16028
https://doi.org/10.1080/15440478.2021.1904474 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

Properties of NiO thin film deposited spray pyrolysis
Chen, Zengjun; **Dedova, Tatjana**; **Oja Acik, Ilona**; **Krunks, Malle** GSFMT Scientific Conference 2020 : Tallinn, February 4-5, 2020 : abstracts 2020 / p. 18 http://fmtdk.ut.ee/wp-content/uploads/2020/01/GSFMT2020.pdf

Properties of retted hemp fibres for reinforcement of composites
Marrot, Laetitia; **Alao, Percy Festus**; **Kallakas, Heikko**; **Poltimäe, Triinu**; **Kers, Jaan**; **Mikli, Valdek**; **Mere, Arvo** GSFMT Scientific Conference 2020 : Tallinn, February 4-5, 2020 : abstracts 2020 / p. 13 : ill http://fmtdk.ut.ee/wp-content/uploads/2020/01/GSFMT2020.pdf

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

Protein-responsive polymer film prepared via combined use of controlled/living radical photopolymerization and microcontact imprinting [Online resource]
Kidakova, Anna; **Sõritski, Vitali**; **Reut, Jekaterina**; **Öpik, Andres** Tartu Ülikooli ASTRA projekt PER ASPERA : Funktsionaalsed materjalid ja tehnoloogiad : [7-8 märtsil 2018, Tallinn : teesid] GSFMT Scientific Conference 2018 : Tallinn, March 7-8, 2018 : abstracts 2018 / 1 p http://fmtdk.ut.ee/teesid-2018/

Puhdas puupinta
Paajanen, Olli; **Rohumaa, Anti**; Harju, Anni; Takkunen, Juha; Seppä, Julia; Pasanen, Pertti; Vainio-Kaila, Tiina; Venäläinen, Martti Metsä, ympäristö ja energia : soveltavaa tutkimusta ja tuotekehitystä : vuosijulkaisu 2020 2020 / p. 190-199
https://www.theseus.fi/bitstream/handle/10024/355599/URNISBN9789523442955.pdf?sequence=2

Puidu ja puittoodete vastupidavus : kaitsevahendiga immutatud täispuit. Osa 1, Kaitsevahendi läbitavuse ja sissejäävuse liigitus = Durability of wood and wood-based products : preservative-treated solid wood. Part 1, Classification of preservative penetration and retention
2023 https://www.ester.ee/record=b5562368*est

Puidu ja puittoodete vastupidavus : kaitsevahendiga immutatud täispuit. Osa 2, Juhised proovivõtu kohta kaitsevahendiga immutatud puidu analüüsiks = Durability of wood and wood-based products : preservative-treated solid wood. Part 2, Guidance on sampling for the analysis of preservative-treated wood
2023 https://www.ester.ee/record=b5562418*est

Puidu ja puittoodete vastupidavus : toimivuse määramise juhend = Durability of wood and wood-based products : guidance on performance
2023 https://www.ester.ee/record=b5547997*est

Puidu ja puittoodete vastupidavus [Võrguteavik] : kaitsevahendiga immutatud täispuit. Osa 1, Kaitsevahendi läbitavuse ja sissejäävuse liigitus = Durability of wood and wood-based products : preservative-treated solid wood. Part 1, Classification of preservative penetration and retention
2017 http://www.ester.ee/record=b4758737*est

Puidu liimimine, inseneripuidust toodete ja puitplaatide valmistamine
Puidutöötlemise õpik 2025 / lk. 268-374 : ill https://digikogu.taltech.ee/et/Item/32f67368-0b3f-4f3d-9c57-26b8d9d7bc93
https://www.ester.ee/record=b5714083*est

Puidu lõiketöötlus
Kallakas, Heikko; **Luga, Üllar**; Riistop, Märt Puidutöötlemise õpik 2025 / lk. 12-96 : ill., fot https://www.ester.ee/record=b5714083*est https://digikogu.taltech.ee/et/Item/32f67368-0b3f-4f3d-9c57-26b8d9d7bc93

Puidu pinnatöötlus, viimistlusmaterjalid ja -tehnoloogiad
Kers, Jaan Puidutöötlemise õpik 2025 / lk. 449-545 : ill https://www.ester.ee/record=b5714083*est https://digikogu.taltech.ee/et/Item/32f67368-0b3f-4f3d-9c57-26b8d9d7bc93

Puidu tulevikukasutus on korrusmajades ja kõrghoonetes
Kers, Jaan Maaleht 2018 / lk. 18 https://maaleht.delfi.ee/artikkel/82058059/puidu-tulevikukasutus-on-korrusmajades-ja-korghoonetes

Puidu uus tulemine
Kers, Jaan Horisont 2022 / lk. 14-19 : fot https://www.ester.ee/record=b1072243*est

Puidust põrandakate [Võrguteavik] : täispuidust üksikud ja eelkoostatud lehtpuulauad = Wood flooring : solid individual and pre-assembled hardwood boards
2020 https://www.ester.ee/record=b5366547*est

Puidust saab nii toitu kui kütust, nafta jääb maa alla
Kartau, Mari Maaleht 2023 / Lk. 46-47 https://dea.digar.ee/article/maaleht/2023/04/27/41.4

Puidutöötlemise õpik
2025 https://digikogu.taltech.ee/et/Item/32f67368-0b3f-4f3d-9c57-26b8d9d7bc93 https://www.ester.ee/record=b5714083*est

Puitkonstruktsioonid : nelinurkse ristlõikega tugevussorditud ehituspuit. Osa 2, Masinsortimine. Täiendavad nõuded esmasteks tüübikatsetusteks = Timber structures : strength graded structural timber with rectangular cross section. Part 2, Machine grading; additional requirements for initial type testing
2022 https://www.ester.ee/record=b5509628*est

Puitkonstruktsioonid : nelinurkse ristlõikega tugevussorditud ehituspuit. Osa 3, Masinsortimine. Täiendavad nõuded tootmisohjele ettevõttes = Timber structures : strength graded structural timber with rectangular cross section. Part 3, Machine grading; additional requirements for factory production control
2022 https://www.ester.ee/record=b5509636*est

Puitplaatide töötlus
Kiiman, Karmo; Riistop, Märt Puidutöötlemise õpik 2025 / lk. 375-405 : ill https://digikogu.taltech.ee/et/Item/32f67368-0b3f-4f3d-9c57-26b8d9d7bc93 https://www.ester.ee/record=b5714083*est

Pulse electrodeposited zinc sulfide as an eco-friendly buffer layer for the cadmium-free thin-film solar cells
Boosagulla, Divya; **Mandati, Sreekanth**; Misra, Prashant; Allikayala, Ramachandraiah; Sarada, Bulusu V. Superlattices and microstructures 2021 / art. 107060 https://doi.org/10.1016/j.spmi.2021.107060

Pulsed corona discharge for improving treatability of coking wastewater
Liu, Ming; **Preis, Sergei**; Kornev, Iakov; Hu, Yun; Wei, Chao-Hai Journal of environmental sciences 2018 / p. 306-316 : ill https://doi.org/10.1016/j.jes.2017.07.003

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

Pulsed laser deposition of Zn(O,Se) layers for optoelectronic application
Polivtseva, Svetlana; **Spalatu, Nicolae**; **Abdalla, Akram**; **Volobujeva, Olga**; **Hiie, Jaan**; **Bereznev, Sergei** ACS Applied Energy Materials 2018 / p. 6505–6512 : ill http://dx.doi.org/10.1021/acsaem.8b01431

Pulsed laser deposition of Zn(O,Se) layers for optoelectronic applications
Ibrahim, Akram Abdalla Mohammed; **Bereznev, Sergei** GSFMT Scientific Conference 2021 : Tartu, June 14-15, 2021 : abstracts 2021 / O 13 https://fmtdk.ut.ee/wp-content/uploads/2021/06/GSFMT_abstractbook_2021.pdf

Pulsed laser deposition of Zn(O,Se) layers for optoelectronic applications = Impulsslaser-sadestatud Zn(O,Se) kiled optoelektroonseteks rakendusteks
Ibrahim, Akram Abdalla Mohammed 2021 https://digikogu.taltech.ee/et/Item/0d07be7f-3737-4350-9de4-80f32df036de https://www.ester.ee/record=b5470705*est https://doi.org/10.23658/taltech.57/2021

Pulsed laser deposition of Zn(O,Se) layers in nitrogen background pressure
Abdalla, Akram; **Bereznev, Sergei**; **Spalatu, Nicolae**; **Volobujeva, Olga**; **Sleptšuk, Natalja**; **Danilson, Mati** Scientific reports 2019 / art. 17443, 10 p. : ill https://doi.org/10.1038/s41598-019-54008-1 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Päikeseenergeetika materjalide uuringud Eestis
Kauk-Kuusik, Marit; **Grossberg, Maarja**; **Oja Acik, Ilona**; **Krunks, Malle** Teadusmõte Eestis (X). Tehnikateadused. 3 : [artiklikogumik] 2019 / lk. 59-65 : ill., fot https://www.ester.ee/record=b5208765*est

Päikeseenergeetika tulevikku kujundavad kilepinnad ja tandempaneelid
Piir, Rait novaator.err.ee 2023 Päikeseenergeetika tulevikku kujundavad kilepinnad ja tandempaneelid

Päikeseenergeetika väljakutse : mis saab päikesepaneelidest elukaare lõpus?
Grossberg-Kuusk, Maarja postimees.ee 2024 Päikeseenergeetika väljakutse: mis saab päikesepaneelidest elukaare lõpus?

Päikesepaneelid ja korteriühistud: müüdid vs. tegelikkus [Võrguväljaanne]
Raadik, Taavi kinnisvarauudised.ee 2022 Päikesepaneelid ja korteriühistud: müüdid vs. tegelikkus

Päikesepaneelid sobivad ka kortermajale
Raadik, Taavi Võrumaa Teataja 2022 / Lk. 2 Päikesepaneelid sobivad ka kortermajale

Päikesepatareidest klaasid muudavad akna elektrienergia allikaks [Võrguväljaanne]
Eensalu, Jako Siim novaator.err.ee 2021 "Päikesepatareidest klaasid muudavad akna elektrienergia allikaks"

Pärispea seltsimajas lõppes taaskasutuse töötubade pilootprojekt
Tamm, Ülle Sõnumitooja 2023 / Lk. 5 https://dea.digar.ee/article/sonumitooja/2023/11/08/18

Pyrite as promising monograin layer solar cell absorber material for in-situ solar cell fabrication on the Moon
Kristmann, Katriin; **Raadik, Taavi**; **Altosaar, Mare**; **Grossberg-Kuusk, Maarja**; **Krustok, Jüri**; **Pilvet, Maris**; **Mikli, Valdek**; **Kauk-Kuusik, Marit**; Makaya, Advenit Acta Astronautica 2022 / P. 420-424 https://doi.org/10.1016/j.actaastro.2022.07.043 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

Pyrite as prospective monograin layer solar cell absorber material for in-situ solar cell fabrication on the Moon
Kristmann, Katriin; **Raadik, Taavi**; **Altosaar, Mare**; **Grossberg, Maarja**; **Krustok, Jüri**; **Pilvet, Maris**; **Mikli, Valdek**; **Kauk-Kuusik, Marit** IAC 2021 congress proceedings 2021 / p. 1-6 : ill https://deepzone3.ttu.ee/~juri.krustok/PDF-s/IAC-21,C3,4,7,x64087.pdf Conference Proceedings at Scopus Article at Scopus

Pyrite based solar panel in-situ production on the Moon for space-based solar power
Raadik, Taavi; **Kristmann, Katriin**; Ciazela, J.; Jozefowicz, M.; Kowalinski, M.; Sniadkowski, A.; Bakala, J.; Steslicki, M.; Zalewska, N.; Pieterek, B.; Ciazela, M.; Marciniak, D. IAC 2023 congress proceedings 2023 / 9 p. : ill https://iafastro.directory/iac/paper/id/79277/abstract-pdf/IAC-23,D3,2B,6,x79277.brief.pdf?2023-03-30.12:16:44 Conference proceedings at Scopus Article at Scopus

Pyrite FeS2 solar cells fabrication for lunar base energy production
Kristmann, Katriin; **Raadik, Taavi**; **Altosaar, Mare**; **Grossberg-Kuusk, Maarja**; **Krustok, Jüri**; **Pilvet, Maris**; **Mikli, Valdek**; **Kauk-Kuusik, Marit**; **Makaya, Advenit** IAC 2022 congress proceedings 2022 / art. 190266 Pyrite FeS2 solar cells fabrication for lunar base energy production Conference proceedings at Scopus Article at Scopus

Raalprojekteerimis- ja -tootmisüsteemid mööblitööstuses. Puidutööstuse digitaliseerimine
Erik, Tauno; Jüriorg, Urmas; Kallisaar, Sander; **Kers, Jaan**; Link, Lauri; Muru, Meelis; Nool, Priit; **Otto, Tauno**; Riistop, Märt; Tammeväli, Siim; Vahemäe, Siim Puidutöötlemise õpik 2025 / lk. 603-669 : ill https://www.ester.ee/record=b5714083*est https://digikogu.taltech.ee/et/Item/32f67368-0b3f-4f3d-9c57-26b8d9d7bc93

Radiative recombination model for BiSeI microcrystals : unveiling deep defects through photoluminescence
Dolcet Sadurni, Marc; **Krustok, Jüri**; **Timmo, Kristi**; **Mikli, Valdek**; Kondrotas, Rokas; **Grossberg-Kuusk, Maarja**; **Kauk-Kuusik, Marit** Journal of Physics Energy 2024 / art. 045004 https://doi.org/10.1088/2515-7655/ad8377

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

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

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

Rapid assessment of photovoltaic activity of perovskite solar cells by photoluminescence spectroscopy
Dileep, K. Reshma; **Mandati, Sreekanth**; **Ramasamy, Easwaramoorthi**; **Mallick, S**; Rao, Tata Naransinga; **Veerappan, Ganapathy** Materials letters 2021 / art. 130056, 4 p. : ill https://doi.org/10.1016/j.matlet.2021.130056

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

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

Reaalteadused vajavad rohkem naisi
Fischer, Krista; Grossberg-Kuusk, Maarja postimees.ee 2024 Reaalteadused vajavad rohkem naisi

Reaction pathway to CZTSe formation in CdI2 : Part 2: Chemical reactions and enthalpies in mixtures of CdI2–CuSe–SnSe and CdI2–CuSe–SnSe–ZnSe
Leinemann, Inga; **Pilvet, Maris**; **Kaljuvee, Tiit**; **Traksmaa, Rainer**; **Altosaar, Mare** Journal of thermal analysis and calorimetry 2018 / p. 433–441 https://doi.org/10.1007/s10973-018-7415-4 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Reaction pathway to Cu2ZnSnSe4 formation in CdI2 : part 1. Chemical reactions and enthalpies in mixtures of CdI2–ZnSe, CdI2–SnSe, and CdI2–CuSe
Leinemann, Inga; **Nkwusi, Godswill**; **Timmo, Kristi**; **Volobujeva, Olga**; **Danilson, Mati**; **Raudoja, Jaan vt.ka Mädasson, Jaan**; **Kaljuvee, Tiit**; **Traksmaa, Rainer**; **Altosaar, Mare**; **Meissner, Dieter** Journal of thermal analysis and calorimetry 2018 / p.409 - 421 : ill https://doi.org/10.1007/s10973-018-7102-5 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Reactive extrusion of cellulose esters in ionic liquid: Exploring properties and performance across different cellulose types and degree of polymerizations
Tarasova, Elvira; **Krasnou, Illia**; Enkhsaikhan, Giiguulen; Abousharabia, Ibrahim; Nunes, Caio César Zandonadi; Karthegesu, Darshni; **Savale, Nutan Bharat**; Kontturi, Eero; **Krumme, Andres** Cellulose 2024 / 28 p https://doi.org/10.21203/rs.3.rs-4580669/v1

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

Reduced recombination through the CZTS/CdS interface engineering in monograin layer solar cells
Kauk-Kuusik, Marit; **Timmo, Kristi**; **Muska, Katri**; **Pilvet, Maris**; **Krustok, Jüri**; **Danilson, Mati**; **Mikli, Valdek**; **Josepson, Raavo**; **Grossberg, Maarja** JPhys Energy 2022 / art. 024007 https://doi.org/10.1088/2515-7655/ac618d 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

Rein Kuusik : [elulooandmeid]
Kuusik, Rein, keemik Jõgeva Keskkooli XI lennu lugu 1959-2019 2019 / lk. 52-53 : fot https://www.ester.ee/record=b5232099*est

Reis NASAsse on peaaegu nagu reis kosmosesse
Kristmann, Katriin Mente et Manu 2024 / lk. 42-44 : fot https://www.ester.ee/record=b1242496*est

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 of natural radioactivity from groundwater used as a drinking water source
Goi, Anna Seventh International Conference on Radiation in Various Fields of Research, RAD 7, [RAD 2019], 10-14.06.2019, Herceg Novi, Montenegro : book of abstracts 2019 / p. 87
http://www.radconference.org/helper/download.phpfile=../pdf/RAD_2019_Book_of_Abstracts.pdf

Renewable cellulosic nanocomposites for food packaging to avoid fossil fuel plastic pollution: a review
Qasim, Umair; Osman, Ahmed I.; Al-Muhtaseb, A.; Farrell, C.; Al-Abri, M.; Ali, M.; Vo, D.-V. N.; Jamil, F.; Rooney, D. W. Environmental chemistry letters 2021 / p. 613-641 https://doi.org/10.1007/s10311-020-01090-x

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

Review of the extraction of key metallic values from black shales in relation to their geological and mineralogical properties
Vind, Johannes; **Tamm, Kadriann** Minerals Engineering 2021 / art. 107271 https://doi.org/10.1016/j.mineng.2021.107271 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

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

Riiklike tehnikaprofessuuride ees seisab rida väljakutseid
Kers, Jaan TööstusEST 2023 / lk. 32-34 : ill https://www.ester.ee/record=b4481084*est

Riiklike tehnikaprofessuuride väljakutsed roheleppe, ringmajanduse ja digiteerimise valguses
Kers, Jaan Mente et Manu 2022 / lk. 26-27 https://www.ester.ee/record=b1242496*est

Ringmajanduse võimalustest päikeseenergeetikas
Grossberg-Kuusk, Maarja Sirp 2024 / lk. 31-32 : ill https://www.sirp.ee/ringmajanduse-voimalustest-paikeseenergeetikas/

Robert Krautmann, "Päikesepatareid annavad vunki värkvõrguseadmetele". Teadus 3 minutiga 2022.11.02
Krautmann, Robert Eesti Teaduste Akadeemia : Youtube kanal 2022 / video Robert Krautmann, "Päikesepatareid annavad vunki värkvõrguseadmetele". Teadus 3 minutiga 2022.11.02 „Teadus 3 minutiga“ finaal-gala 2022. 11.02.2022

Roheleppega seotud väljakutsed - kas võtame need vastu?
Grossberg, Maarja Mente et Manu 2020 / lk. 4-7 : fot https://dea.digar.ee/cgi-bin/dea?a=is&oid=AKmenteetmanu202011&type=staticpdf

Rohepööre eraisiku vaates – kust oodata häid uudiseid, et muuta oma tarbimine rohelisemaks?
rohe.geenius.ee 2023 Rohepööre eraisiku vaates – kust oodata häid uudiseid, et muuta oma tarbimine rohelisemaks?

Routes to develop a [S]/([S]+[Se]) gradient in wide band-gap Cu2ZnGe(S,Se)4 thin-film solar cells
Ruiz-Perona, Andrea; Gurieva, Galina; Sun, Michael; Kodalle, Tim; Sanchez, Yudania; **Grossberg, Maarja**; Merino, Jose Manuel; Schorr, Susan; Leon, Maximo; Caballero, Raquel Journal of alloys and compounds 2021 / art. 159253, 9 p. : ill https://doi.org/10.1016/j.jallcom.2021.159253 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Ruthenium oxide electrode integrated with molecularly imprinted polymer for direct electrochemical sensing of a neurotrophic factor protein
Ayankojo, Akinrinade George; **Reut, Jekaterina**; **Boroznjak, Roman**; **Sõritski, Vitali** Sensors and Actuators B: Chemical 2025 /

art. 137301 https://doi.org/10.1016/j.snb.2025.137301

Rõivatööstus ja -tarbimine: uus suund - jätkusuutlikkus
Prints, Kairi Kestlik Eesti 2024 / lk. 64-69 https://www.ester.ee/record=b5678518*est

Saematerjali ja spooni kuivatus, puidu modifitseerimine
Kallakas, Heikko; **Poltimäe, Triinu**; **Reiska, Rein**; **Riistop, Märt** Puidutöötlemise õpik 2025 / lk. 172-237 : ill
https://www.ester.ee/record=b5714083*est https://digikogu.taltech.ee/et/Item/32f67368-0b3f-4f3d-9c57-26b8d9d7bc93

Saematerjali ja spooni tootmine
Kallakas, Heikko; Riistop, Märt Puidutöötlemise õpik 2025 / lk. 94-171 : ill., fot https://www.ester.ee/record=b5714083*est
https://digikogu.taltech.ee/et/Item/32f67368-0b3f-4f3d-9c57-26b8d9d7bc93

Sammhaaval üha paremate päikesepatareide poole
Käärt, Ulvar postimees.ee 2024 Sammhaaval üha paremate päikesepatareide poole

Sammhaaval üha paremate päikesepatareide poole
Grossberg-Kuusk, Maarja Horisont 2024 / lk. 16-22 : fot https://www.ester.ee/record=b1072243*est

Sb2S3 solar cells with a cost-effective and dopant-free fluorene-based enamine as a hole transport material
Juneja, Nimish; **Mandati, Sreekanth**; **Katerski, Atanas**; **Spalatu, Nicolae**; Daskeviciute-Geguziene, Sarune; Vembris, Aivars; Karazhanov, Smagul; Getautis, Vytautas; **Krunks, Malle**; **Oja Acik, Ilona** Sustainable Energy & Fuels 2022 / p. 3220-3229
https://doi.org/10.1039/D2SE00356B Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Sb2S3 solar cells with TiO2 electron transporting layers synthesized by ALD and USP methods
Dedova, Tatjana; **Krautmann, Robert**; Rusu, Marin; **Katerski, Atanas**; **Krunks, Malle**; Unold, Thomas; **Spalatu, Nicolae**; **Mere, Arvo**; **Sydorenko, Jekaterina**; **Sibinski, Maciej**; **Oja Acik, Ilona** Solar energy materials and solar cells 2025 / art. 113279
https://doi.org/10.1016/j.solmat.2024.113279

SB2S3 thin film solar cells by ultrasonic spray pyrolysis
Eensalu, Jako Siim; **Katerski, Atanas**; **Kärber, Erki**; **Oja Acik, Ilona**; **Krunks, Malle** GSFMT Scientific Conference 2020 : Tallinn, February 4-5, 2020 : abstracts 2020 / p. 22 http://fmtdk.ut.ee/wp-content/uploads/2020/01/GSFMT2020.pdf

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

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

Sb2S3 õhukesed absorberkihid pool-läbipaistvatele päikesepatareidele
Oja Acik, Ilona; **Eensalu, Jako Siim**; **Katerski, Atanas**; **Krunks, Malle** XXXIV Eesti keemiapäevad : 100. aastapäeva teaduskonverentsi teesid 2019 / lk. 32 https://www.ester.ee/record=b1580289*est

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

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

Seasonal dynamics of bacterial composition and functions in biological treatment of coking wastewater
Tan, Zhijie; Chen, Wenli; Guo, Ziyu; Xu, Xingyuan; Xie, Junting; Dai, Jiangpeng; Lin, Yuexia; Sheng, Binbin; **Preis, Sergei**; Wei, Chaohai; Zhu, Shuang Applied microbiology and biotechnology 2024 / art. 490 https://doi.org/10.1007/s00253-024-13274-4 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Selection of optimum biological treatment for coking wastewater using analytic hierarchy process
Wei, Cong; Wei, Jingyue; Kong, Qiaoping; Fan, Dan; Qiu, Guanglei; Feng, Chunhua; Li, Fusheng; **Preis, Sergei** The science of the

total environment 2020 / art. 140400 ; 12 p. : ill https://doi.org/10.1016/j.scitotenv.2020.140400 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

Selgusehetk teaduses saabub siis, kui teadusmõistatus saab lahenduse – heureka!
Grossberg-Kuusk, Maarja postimees.ee 2024 Selgusehetk teaduses saabub siis, kui teadusmõistatus saab lahenduse – heureka!

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

Sensormaterjalid molekulaarselt jäljendatud polümeeridest meditsiiniliseks diagnostikaks ja keskkonnaseireks
Öpik, Andres; **Sõritski, Vitali**; **Reut, Jekaterina** Teadusmõte Eestis (X). Tehnikateadused. 3 : [artiklikogumik] 2019 / lk. 227-237 : ill., fot https://www.ester.ee/record=b5208765*est

Sergei Preis: Seine'i jõe reostuse kohta on üks hea ja üks halb uudis
Preis, Sergei forte.delfi.ee 2024 Sergei Preis: Seine'i jõe reostuse kohta on üks hea ja üks halb uudis

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

Simultaneous nitrite and ammonium production in an autotrophic partial denitrification and ammonification of wastewaters containing thiocyanate
Pan, Jianxin; Wei, Chaohai; Fu, Bingbing; Ma, Jingde; **Preis, Sergei**; Wu, Haizhen; Zhu, Shuang Bioresource technology 2018 / p. 20-27 : ill https://doi.org/10.1016/j.biortech.2017.12.059

Solar cells from TalTech to upsurge Internet of Things expansion
Sibinski, Maciej news.err.ee 2024 Solar cells from TalTech to upsurge Internet of Things expansion

Solar energy harvesting through photovoltaic and photoelectrochemical means from appositely prepared CuInGaSe2 absorbers on flexible substrates by a low-cost and industrially benign pulse electrodeposition technique
Mandati, Sreekanth; Misra, Prashant; Boosagulla, Divya; Tata, Narasinga Rao; Bulusu, Sarada V. Industrial and engineering chemistry research 2021 / p. 2197–2205 https://doi.org/10.1021/acs.iecr.0c05934

Sol-gel derived carbon microspheres by continuous ultrasonic spray pyrolysis
Peikolainen, Anna-Liisa; **Uibu, Mai**; Aabloo, Alvo 31st Annual Conference of the European Society for Biomaterials (ESB 2021) 2021 https://eventclass.org/contxt_esb2021/scientific/online-program/session?s=AERO+PS01

Soliidses eas Wankelmootor - atraktiivne ka tänapäeval
Gregor, Andre Director. Inseneeria 2018 / lk. 111-113 : fot http://www.ester.ee/record=b2336521*est https://artiklid.elnet.ee/record=b2861400*est

Solubilization of polycyclic aromatic hydrocarbons (PAHs) with phenol in coking wastewater treatment system: Interaction and engineering significance
Kong, Qiaoping; Wu, Haizhen; Liu, Lei; **Preis, Sergei** Science of the total environment 2018 / p. 467-473 : ill https://doi.org/10.1016/j.scitotenv.2018.02.077 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 deposition of ZnO thin films
Stankova, Stanka; **Volobujeva, Olga**; Dikov, H.; Ganchev, M. Journal of physics : conference series 2021 / 6 p. : ill https://doi.org/10.1088/1742-6596/1762/1/012030 Conference Proceedings at Scopus Article at Scopus

Solution processed high-K oxides for application as gate dielectric layer in thin film transistor
Oluwabi, Abayomi Titilope; **Katerski, Atanas**; **Mere, Arvo**; **Krunks, Malle**; **Oja Acik, Ilona** GSFMT Scientific Conference 2020 : Tallinn, February 4-5, 2020 : abstracts 2020 / p. 67 : ill http://fmtdk.ut.ee/wp-content/uploads/2020/01/GSFMT2020.p

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

Soolhappelise tehnoloogia rakendused Eesti fosforiidi töötlemiseks : aruanne
Tamm, Kadriann 2021 Soolhappelise tehnoloogia rakendused Eesti fosforiidi töötlemiseks

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

Spatially resolved opto-electrical performance investigations of Cu2ZnSnS3.2Se0.8 photovoltaic devices
Neubauer, Christian; **Samieipour, Ali**; **Oueslati, Souhaib**; Ernits, Kaia; Meissner, Dieter Energy Science & Engineering 2018 / p. 563-569 : ill https://doi.org/10.1002/ese3.232 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Spatially resolved opto-electronical investigations of monograin layer solar cells = Monoteraliste päikesepatareide ruumilise lahutusega optoelektroonsed uuringud
Neubauer, Christian 2019 https://digi.lib.ttu.ee/i/?11900

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

Spetsialist vastab: millisest materjalist pann koju osta? Kas teflonpann on ohutu?
Arndt-Kalju, Margit omamaitse.delfi.ee 2023 Spetsialist vastab: millisest materjalist pann koju osta? Kas teflonpann on ohutu?

Spin - coating of SnO2 thin films
Ganchev, Maxim; **Katerski, Atanas**; Stankova, Stanka; **Eensalu, Jako Siim**; Terziyska, Penka Journal of physics : conference series 2019 / art. 012027, 7 p. : ill https://doi.org/10.1088/1742-6596/1186/1/012027 Conference proceeding at Scopus Article at Scopus Article at WOS

Spray-pyrolysis synthesised TiO2 thin films for photocatalytic air treatment from volatile organic compounds
Sydorenko, Jekaterina; **Krunks, Malle**; **Mere, Arvo**; **Krichevskaya, Marina**; **Oja Acik, Ilona** Proceedings 2023 / art. 37 https://doi.org/10.3390/proceedings2023092037

Stability, reliability, upscaling and possible technological applications of kesterite solar cells
Larramona, G.; Chone, C.; **Meissner, Dieter**; Ernits, Kaia Journal of Physics Energy 2020 / art. 024009, 14 p https://doi.org/10.1088/2515-7655/ab7cee Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

State-of-the-art technology for natural radioactivity removal in groundwater [Online resource]
Goi, Anna Open access government 2018 / phot https://www.openaccessgovernment.org/radioactivity-removal-groundwater/51906/

Stress relaxation mechanism by strain in the Si-SiO2 system and its influence on the interface properties
Kropman, Daniel; Seeman, Viktor; Dolgov, Sergei; Heinmaa, Ivo; Medvid, Artur Physica Status Solidi (C) Current Topics in Solid State Physics 2016 / p. 790 - 792 https://doi.org/10.1002/pssc.201600051 Journal metrics at Scopus Article at Scopus Article at WOS

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

Structural and mechanical properties of laminate-type thin film SWCNT/SiOXNY composites
Shmagina, Elizaveta; **Volobujeva, Olga**; **Antonov, Maksim**; **Bereznev, Sergei** SICT 2024, PLASMA TECH 2024 and TRIBOLOGY 2024 : JOINT international conferences : book of abstracts 2024 / p. 142 https://www.setcor.org/conferences/tribology-2024/conference-program

Structural and morphological characterization of heat-activated nickel-titanium archwires
Ilievska, Ivana; Petrov, Valery; Andreeva, Laura; **Mikli, Valdek** Bulgarian chemical communications 2017 / p. 33-39 : ill http://www.bcc.bas.bg/

Structural and optical properties of laminate-type thin film SWCNT composites in a silicon oxynitride matrix obtained by low-temperature curing methods
Shmagina, Elizaveta; Kasikov, Aarne; **Volobujeva, Olga**; **Bereznev, Sergei** Symposium I: Nano-engineered coatings and thin films: from fundamentals to applications 2024 https://secure.key4events.com/key4register/AbstractList.aspx?e=1689&preview=1&aig=-1&ai=57371

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

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

Structural properties of ZnO nanopowders synthesized by thermal decomposition
Kedruk, Y. Y.; Paltusheva, Z. U.; Gritsenko, L. V.; **Sõritski, Vitali** Physical sciences and technology 2023 / p. 80-86 https://doi.org/10.26577/phst.2023.v10.i2.010 Journal metrics at Scopus Article at Scopus

Structural, mechanical, and optical properties of laminate-type thin film SWCNT/SiOxNy composites
Shmagina, Elizaveta; **Antonov, Maksim**; Kasikov, Aarne; **Volobujeva, Olga**; Khabushev, Eldar M.; Kallio, Tanja; **Bereznev, Sergei** Nanomaterials 2024 / art. 1806 https://doi.org/10.3390/nano14221806

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

Structure and function of microbial community associated with phenol co-substrate in degradation of benzo[a]pyrene in coking wastewater
Wu, Haizhen; Wang, Ming; Zhu, Shuang; **Preis, Sergei** Chemosphere 2019 / p. 128-138 : ill https://doi.org/10.1016/j.chemosphere.2019.04.117 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Structure defects and photovoltaic properties of TiO2:ZnO/CuO solar cells prepared by reactive DC magnetron sputtering
Wisz, Grzegorz; Sawicka-Chudy, Paulina; Wal, Andrzej; **Sibinski, Maciej**; Potera, Piotr; Yavorskyi, Rostyslav; Nykyruy, Lyubomyr; Płoch, Dariusz; Bester, Mariusz; Cholewa, Marian; Chernikova, Olena M. Applied Sciences 2023 / 13 p. : ill https://doi.org/10.3390/app13063613

Structure, characteristics and impact of treatment on durability of denim fabric containing elastomeric fibre
Mandre, Nele; **Plamus, Tiia**; **Krumme, Andres** GSFMT Scientific Conference 2021 : Tartu, June 14-15, 2021 : abstracts 2021 / O 12 https://fmtdk.ut.ee/wp-content/uploads/2021/06/GSFMT_abstractbook_2021.pdf

Structure, characteristics and impact of treatment on durability of denim fabric containing elastomeric fibre
Mandre, Nele; **Plamus, Tiia**; **Krumme, Andres** GSFMT Scientific Conference 2020 : Tallinn, February 4-5, 2020 : abstracts 2020 / p. 59 http://fmtdk.ut.ee/wp-content/uploads/2020/01/GSFMT2020.pdf

Studies of doped LaMnO3 samples prepared by citrate combustion process
Chandra Dimri, Mukesh; Khanduri, Himani; **Mere, Arvo**; Stern, Raivo AIP conference proceedings 2018 / art. 130015, 4 p. : ill https://doi.org/10.1063/1.5029085 Conference proceedings at Scopus Article at Scopus Article at WOS

Studies of novel lowcost absorbers CUSBS2 and CUSBSE2 for solar cells [Online resource]
Penežko, Aleksei; **Grossberg, Maarja**; **Kauk-Kuusik, Marit** Tartu Ülikooli ASTRA projekt PER ASPERA : Funktsionaalsed materjalid ja tehnoloogiad : [4.-5. veebr. 2019, Tartu : teesid] 2019 / 1 p. : ill http://fmtdk.ut.ee/teesid-2019/

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

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

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

Study of CU2GE(S,SE)3 and CU2CDGE(S,SE)4 monograin powders for photovoltaic applications
Li, Xiaofeng; **Timmo, Kristi**; **Kauk-Kuusik, Marit** Graduate School of Functional Materials and Technology (GSFMT) Scientific Conference : abstracts 2022 / 32 l. Graduate School of Functional Materials and Technology (GSFMT) Scientific Conference 2022

Study of Cu2Ge(S,Se)3 and Cu2CdGe(S,Se)4 monograin powders for photovoltaic applications = Cu2Ge(S,Se)3 ja Cu2CdGe(S,Se)4 monoterapulbrite uurimine ning kasutamine päikesepatareides
Li, Xiaofeng 2022 https://doi.org/10.23658/taltech.17/2022 https://digikogu.taltech.ee/et/Item/54ffb72b-bac3-433f-b3bc-30a94df83592 https://www.ester.ee/record=b5499086*est

Study of Cu2(Zn,Cd)SnS4 absorber materials for monograin layer solar cells = Päikesepatareides kasutatavate Cu2(Zn,Cd)SnS4 absorbermaterjalide uurimine
Pilvet, Maris 2017 https://digi.lib.ttu.ee/i/?8446 https://www.ester.ee/record=b4689398*est

Study of gas-phase photocatalytic activity of titania thin films in multi-section plug-flow reactor
Kritševskaja, Marina; Helsch, G.; **Pronina, Natalja**; Moiseev, Anna; Weber, Alfred; Deubener, Joachim 5th European Conference on Environmental Applications of Advanced Oxidation Processes (EAAOP5) : book of abstracts 2017 / p. 197 https://photo-catalysis.org/events/901/photo/book_of_proceedings_eaaop5_prague.pdf

Study of point defects in wide- bandgap Cu2CdGeS4 microcrystals by temperature and laser power dependent photoluminescence spectroscopy
Krustok, Jüri; **Raadik, Taavi**; **Li, Xiaofeng**; **Kauk-Kuusik, Marit**; **Timmo, Kristi**; **Oueslati, Souhaib**; **Grossberg, Maarja** Journal of physics D : applied physics 2020 / 10 p. : ill https://doi.org/10.1088/1361-6463/ab83c1 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Study of ZnO:In, Zn(O,S) and SbISI thin films deposited by aerosol methods = Aerosoolmeetoditel sadestatud ZnO:In, Zn(O,S) ja SbISI õhukeste kilede uurimine
Kriisa, Merike 2017 https://digi.lib.ttu.ee/i/?7676 https://www.ester.ee/record=b4676437*est

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

Study of the properties of TiO2 thin films deposited by ultrasonic spray pyrolysis [Online resource]
Chen, Z.; **Oja Acik, Ilona**; **Dündar, Ibrahim**; **Mere, Arvo** Tartu Ülikooli ASTRA projekt PER ASPERA : Funktsionaalsed materjalid ja tehnoloogiad : [4.-5. veebr. 2019, Tartu : teesid] 2019 / 1 p http://fmtdk.ut.ee/teesid-2019/

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

Study of thermal properties of synthetic resins based on oil shale alkylresorcines
Jurkeviciute, Ana; **Grigorieva, Larisa**; **Tõnsuaadu, Kaia** Graduate School of Functional Materials and Technology (GSFMT) Scientific Conference : abstracts 2022 / p. 22 Graduate School of Functional Materials and Technology (GSFMT) Scientific Conference 2022

Study of thermooxidation of oil shale samples and basics of processes for utilization of oil shale ashes
Kaljuvee, Tiit; **Uibu, Mai**; **Yörük, Can Rüstü**; **Einard, Marve**; **Trikkel, Andres**; **Kuusik, Rein, keemik**; Trass, Olev; Štubna, Igor; Hulan, Tomaš; Loide, Valli; Jefimova, Jekaterina Minerals 2021 / at. 193 https://doi.org/10.3390/min11020193 Journal metrisc at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Study on the properties of TiO2 thin films deposited by ultrasonic spray pyrolysis
Chen, Zengjun; **Oja Acik, Ilona**; **Dündar, Ibrahim**; **Mere, Arvo** The 15th International Conference of Young Scientists on Energy Issues (CYSENI 2018) : 23-25 May 2018, Kaunas, Lithuania 2018 / p. X-416 - X-423 : ill http://cyseni.com/archives/proceedings/Proceedings_of_CYSENI_2018.pdf

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

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

Superconductivity and magnetic studies of bulk Y123/ BaCuO2 composite
Stoyanova-Ivanova, Angelina; Terzieva, Stanimira; Georgieva, S.; **Mikli, Valdek** Romanian journal of physics 2018 / art. 602, 15 p. : ill http://www.nipne.ro/rjp/2018_63_1-2/RomJPhys.63.602.pdf Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Supporting critical raw material circularity – upcycling graphite from waste LIBs to Zn–air batteries
Praats, Reio; **Chernyaev, Alexander**; **Sainio, Jani**; **Lundström, Mari**; **Kruusenberg, Ivar**; **Liivand, Kerli** Green chemistry 2024 / p. 2874–2883 : ill https://doi.org/10.1039/d3gc04315k

Surface properties of birch false heartwood [Online resource]
Saar, Kaarel Tartu Ülikooli ASTRA projekt PER ASPERA : Funktsionaalsed materjalid ja tehnoloogiad : [7-8 märts 2017, Tartu : teesid] 2017 / [1] p http://fmtdk.ut.ee/teesid/

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

Surface wetting properties of electrodeposited and sprayed ZnO nanorod layers [Online resource]
Gromõko, Inga; **Krunks, Malle**; **Dedova, Tatjana**; **Katerski, Atanas**; **Klauson, Deniss**; **Oja Acik, Ilona** Tartu Ülikooli ASTRA projekt PER ASPERA : Funktsionaalsed materjalid ja tehnoloogiad : [7-8 märts 2017, Tartu : teesid] 2017 / [1] p http://fmtdk.ut.ee/teesid/

Surfactant and non-surfactant radical scavengers in aqueous reactions induced by pulsed corona discharge treatment
Wang, Yi-Xian; Kornev, Iakov; Wei, Chao-Hai; **Preis, Sergei** Journal of electrostatics 2019 / p. 82-86 : ill https://doi.org/10.1016/j.elstat.2019.03.001 Tehnikaülikooli teadlaste uudne lahendus puhastab vett elektriga Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Sustainable co2-derived nanoscale carbon support to a platinum catalyst for oxygen reduction reaction
Najafli, Erkin; Ratso, Sander; Ivanov, Y.P.; Gatalo, M.; Pavko, L.; **Yörük, Can Rüstü**; **Walke, Peter**; Divitini, G.; Hodnik, N.; Kruusenberg, Ivar GSFMT Scientific Conference 2023 : Tartu, 23-24 May, 2023 : abstracts 2023 https://fmtdk.ut.ee/programm-2023/

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

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

Sustainable routes for synthesis of fatty acid cellulose esters
Krumme, Andres Baltic Polymer Symposium 2024 : 22nd International Scientific Conference, September 17-19, 2024, Birštonas, Lithuania : Book of abstracts 2024 / p. 21 https://doi.org/10.5755/e01.3030-1378.2024

Suur lugu: Kuum ja pilvitu ilm vähendab märgatavalt päikesepaneelide tootlikkust. Mida paneele ostes tähele panna?
Soopan, Ivar rohe.geenius.ee 2023 Suur lugu: Kuum ja pilvitu ilm vähendab märgatavalt päikesepaneelide tootlikkust. Mida paneele ostes tähele panna?

Süvaoksüdatsiooni tehnoloogiate arendamine kaasaegsete keskkonnaprobleemide lahendamiseks : tugevalt saastatud tööstusreovetest mikrosaasteaineni õhus ja vees
Trapido, Marina; **Dulova, Niina**; **Kritševskaja, Marina**; **Preis, Sergei** Eesti Vabariigi preemiad 2020 : teadus. F. J. Wiedemanni keeleauhind. Sport. Kultuur. Haridus 2020 / lk. 92-107 : fot https://www.ester.ee/record=b1226072*est https://www.akadeemia.ee/wp-content/uploads/2020/08/ev_preemaid_2020_veebi1.pdf

Süvenev energiakriis annab kosmose-päikeseelektrijaamadele uue hingamise
Raadik, Taavi novaator.err.ee 2024 Süvenev energiakriis annab kosmose-päikeseelektrijaamadele uue hingamise

Symbiotic virus-bacteria interactions in biological treatment of coking wastewater manipulating bacterial physiological activities
Zhu, Shuang; Tan, Zhijie; Guo, Ziyu; Zheng, Huijian; Zhang, Baoshan; Qin, Zhi; Xie, Junting; Lin, Yuexia; Sheng, Binbin; Qiu, Guanglei; **Preis, Sergei**; Wei, Chaohai Water research 2024 / art. 121741 https://doi.org/10.1016/j.watres.2024.121741

Synergistic effect of single‐walled carbon nanotubes and PEDOT:PSS in Thin film amorphous silicon hybrid solar cell
Alekseeva, Alena A.; Rajanna, Pramod M.; Anisimov, Anton S.; Sergeev, Oleg; **Bereznev, Sergei**; Nasibulin, Albert Physica status solidi (b) 2018 / 4 p. : ill https://doi.org/10.1002/pssb.201700557 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Synergy in the hydrothermal pyrolysis of oil shale/sawdust blends
Tiikma, Laine; **Johannes, Ille**; **Luik, Hans**; **Gregor, Andre** Journal of Analytical and Applied Pyrolysis 2016 / p. 247 - 256 https://doi.org/10.1016/j.jaap.2015.11.008 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 pyrite FeS2 solar cell absorber crystals and modifying their surface
Kristmann, Katriin; **Raadik, Taavi**; **Altosaar, Mare**; **Mikli, Valdek**; **Danilson, Mati** Graduate School of Functional Materials and Technology (GSFMT) Scientific Conference : abstracts 2022 / 29 l. Graduate School of Functional Materials and Technology (GSFMT) Scientific Conference 2022

Synthesis and characterization of tetrahedrite absorber materials for photovoltaic application
Ghisani, Fairouz; **Timmo, Kristi**; **Altosaar, Mare** Graduate School of Functional Materials and Technology (GSFMT) Scientific Conference : abstracts 2022 / 17 l. Graduate School of Functional Materials and Technology (GSFMT) Scientific Conference 2022

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

Synthesis and characterization of tetrahedrite Cu10Cd2Sb4S13 monograin material for photovoltaic application [Online resource]
Ghisani, Fairouz; **Timmo, Kristi**; **Altosaar, Mare**; **Raudoja, Jaan** Tartu Ülikooli ASTRA projekt PER ASPERA : Funktsionaalsed materjalid ja tehnoloogiad : [4.-5. veebr. 2019, Tartu : teesid] 2019 / 1 p http://fmtdk.ut.ee/teesid-2019/

Synthesis and characterization of tetrahedrite Cu10Cd2Sb4S13 monograin powders for photovoltaic applications = Tetraedriitsete Cu10Cd2Sb4S13 monoterapulbrite süntees ja iseloomustamine kasutamiseks päikesepatareides
Ghisani, Fairouz 2022 https://doi.org/10.23658/taltech.45/2022 https://digikogu.taltech.ee/et/Item/916bb43a-3742-40c3-b91a-06a06cafd299 https://www.ester.ee/record=b5507330*est

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 investigation of thermo-induced gelation of partially cross-linked poly-2-isopropyl-2-oxazoline in aqueous media
Amirova, Alina; Rodchenko, Serafim; Kurlykin, Mikhail; Tenkovtsev, Andrey; **Krasnou, Illia**; **Krumme, Andres**; Filippov, Alexander Polymers 2020 / art. 698, 13 p. : ill https://doi.org/10.3390/polym12030698 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

Synthesis and physical characteristics of narrow bandgap chalcogenide SnZrSe3 : [version 2; peer review: 2 approved]
Kondrotas, Rokas; Juškenas, Remigijus; Krotkus, Arunas; Pakštas, Vidas; Suchodolskis, Arturas; Mekys, Algirdas; Franckevičius, Marius; Talaikis, Martynas; **Muska, Katri**; **Li, Xiaofeng**; **Kauk-Kuusik, Marit**; Kravtsov, Victor Open Research Europe 2023 / art. 138 https://doi.org/10.12688/openreseurope.15168.2 https://open-research-europe.ec.europa.eu/articles/2-138

https://doi.org/10.5281/zenodo.7867349 Journal metrics at Scopus Article at Scopus

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

Synthesis of Cu2ZnSnS4 nano-powders and nano-structured thin films = Cu2ZnSnS4 nano-pulbrite ja nano-struktuursete kilede süntees
Kumar, Suresh 2018 https://digi.lib.ttu.ee/i/?10626 https://www.ester.ee/record=b5151482*est

Synthesis of modified polycondensation resins based on oil shale individual alkylresorcinols and their mixtures
Jurkeviciute, Ana; **Grigorieva, Larisa**; **Tõnsuaadu, Kaia**; Blum, Kristina; Yashicheva, T.; Moskvina, K. Baltic polymer symposium 2022 : programme and abstracts 2022 / p. 54

Synthesis of modified resins based on resorcinol and oil shale alkylresorcinols : structure and properties = Modifitseeritud vaikude süntees resortsinooli ja põlevkivi alküülresortsinoolide alusel : struktuur ja omadused
Jurkeviciute, Ana 2024 https://www.ester.ee/record=b5667168*est https://digikogu.taltech.ee/et/Item/bccf3a68-0f32-44d8-966a-d5e25ae1dc26 https://doi.org/10.23658/taltech.10/2024

Synthesis of thermoplastic cellulose esters in novel ionic liquid
Savale, Nutan Bharat; **Tarasova, Elvira**; **Krasnou, Illia**; **Kudrjašova, Marina**; Reile, Indrek; **Krumme, Andres** Baltic Polymer Symposium, BPS2023 : programme and abstracts 2023 / p. 14

Synthesis techniques in molecular imprinting: From MIP monoliths to MIP films and nanoparticles
Ayankojo, Akinrinade George; **Reut, Jekaterina**; **Sõritski, Vitali**; Sehit, Ekin; Md Sharifuzzaman; Altintas, Z. Molecularly imprinted polymers : Computational studies to advanced applications 2025 / p. 75-128 https://doi.org/10.1007/978-3-031-67368-9_4

Syntshesis of platinum modified nanocarbon catalysts for fuel cell application
Najafli, Erkin GSFMT Scientific Conference 2021 : Tartu, June 14-15, 2021 : abstracts 2021 / P 39 https://fmtdk.ut.ee/wp-content/uploads/2021/06/GSFMT_abstractbook_2021.pdf

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 nanostructured layers by wet chemical deposition methods : growth, surface properties, photocatalytic capability = ZnO nanostruktuursed kihid vedeliksadestuse meetoditel : kasvatamine, pinnaomadused, fotokatalüütiline võimekus
Gromõko, Inga 2018 https://digi.lib.ttu.ee/i/?9962 https://www.ester.ee/record=b5141465*est

ZnO nanostructures by wet chemical deposition methods [Online resource]
Gromõko, Inga; **Dedova, Tatjana**; **Krunks, Malle**; **Oja Acik, Ilona**; **Katerski, Atanas**; **Klauson, Deniss** Tartu Ülikooli ASTRA projekt PER ASPERA : Funktsionaalsed materjalid ja tehnoloogiad : [7-8 märtsil 2018, Tallinn : teesid] GSFMT Scientific Conference 2018 : Tallinn, March 7-8, 2018 : abstracts 2018 / 1 p http://fmtdk.ut.ee/teesid-2018/

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 thin films co-doped with III-valence metals and halogens: theory and experiment
Colibaba, G. V.; Rusnac, D.; Fedorov, V.; **Koltsov, Mykhailo**; **Volobujeva, Olga**; Grzibovskis, Raitis; Vembris, Aivars; **Spalatu, Nicolae** Physica scripta 2024 / art. 105967 https://doi.org/10.1088/1402-4896/ad74ab Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Zn(O,Se) as a novel buffer layer for thin film solar cells
Abdalla, Akram; **Polivtseva, Svetlana**; **Spalatu, Nicolae**; **Volobujeva, Olga**; **Hiie, Jaan**; **Bereznev, Sergei** Tartu Ülikooli ASTRA projekt PER ASPERA : Funktsionaalsed materjalid ja tehnoloogiad : [4.-5. veebr. 2019, Tartu : teesid] 2019 http://fmtdk.ut.ee/teesid-2019/

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

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

Taastuvenergiatehnoloogiate arendamisest Eestis Euroopa rohepöörde võtmes [Võrguväljaanne]
Grossberg, Maarja novaator.err.ee 2020 / fot Riigikogus toimus konverents "Teadus kui Eesti arengumootor" Taastuvenergiatehnoloogiate arendamisest Eestis Euroopa rohepöörde võtmes (pdf)

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

Tailoring of magnetic properties of MnAl thin films by protons irradiation
Khanduri, Himani; Khan, S.A.; Srivastava, S.K.; **Link, Joosep**; Stern, Raivo; Avasthi, D.K. AIP conference proceedings 2018 https://doi.org/10.1063/1.5029080

Tallinna Tehnikaülikooli teadlased loovad õhku ja pindu puhastavaid pinnakatteid
Elektriala 2021 / lk. 13 https://www.ester.ee/record=b1240496*est

Tallinna Tehnikaülikooli teadlased lõid uue põlvkonna päikesepatarei [Võrguväljaanne]
Kauk-Kuusik, Marit novaator.err.ee 2020 / fot Tallinna Tehnikaülikooli teadlased lõid uue põlvkonna päikesepatarei

TalTech on kaasaegselt juhitud ülikool
Heinsoo, Anneli; Jaaksoo, Ülo; Kaldoja, Väino; Kamratov, Ardo; **Kattel, Rainer**; Kitt, Robert; **Õpik, Andres** Postimees 2020 / lk. 15 https://www.ester.ee/record=b1072778*est https://leht.postimees.ee/6975397/vastulause-taltech-on-kaasaegselt-juhitud-ulikool

TalTech tabas uue rohetehnoloogia magistriõppega kümnesse – huvi on rekordiline
Soopan, Ivar rohe.geenius.ee 2023 Kuula: 14.06 Rohetund #20: TalTech tabas uue rohetehnoloogia magistriõppega kümnesse – huvi on rekordiline

TalTech teel Kuule Päikest võtma
Vaaks, Eveliis; Raadik, Taavi Trialoog 2025 https://trialoog.taltech.ee/tehnikaulikool-teel-kuule-paikest-votma/

TalTech toob päikeselise tuleviku
Ehitaja 2023 / lk. 34-35 : fot https://www.ester.ee/record=b1072123*est https://artiklid.elnet.ee/record=b2904074*est

TalTechi doktorant arendab uut ja paremat teksakangast
Imeline Teadus 2021 / lk. 20 : fot https://www.ester.ee/record=b2747925*est

TalTechi doktorant loob vähekuluvat ning tillukese ökoloogilise jalajäljega teksakangast
Mente et Manu 2021 / lk. 29 : fot Mente et Manu 2/2021

TalTechi doktorant tahab uue põlvkonna päikesepaneelid Kuule viia
Kristmann, Katriin menu.err.ee 2024 TalTechi doktorant tahab uue põlvkonna päikesepaneelid Kuule viia

TalTechi kaasprofessor: Eestil on plastimure lahendamiseks oma suur võimalus [Võrguväljaanne]
Krumme, Andres aripaev.ee 2022 TalTechi kaasprofessor: Eestil on plastimure lahendamiseks oma suur võimalus

TalTechi keemikud saadavad tsementitolmu koos süsinikdioksiidiga ringkasutusse
Uibu, Mai Ehitaja 2021 / lk. 36 : fot https://www.ester.ee/record=b1072123*est https://doi.org/10.1007/s10973-020-09349-9

TalTechi keskkonnateadlaste uus osoonimismeetod puhastab vett antibiootikumijääkidest
Mente et Manu 2020 / lk. 32 https://dea.digar.ee/cgi-bin/dea?a=is&oid=AKmenteetmanu202011&type=staticpdf

TalTechi professorid kinnitavad: plasttorudest eraldub joogivette kahjulikke kemikaale
Niidu, Allan; **Preis, Sergei**; **Annus, Ivar** Ehitaja 2024 / lk. 21-23 : fot https://www.ester.ee/record=b1072123*est

TalTechi teadlased loovad õhku ja pindasid puhastavaid pinnakatteid
Mente et Manu 2021 / lk. 28-29 : ill Mente et Manu 2/2021

TalTechi teadlased: viie aastaga laieneb päikeseenergeetika lahenduste valik märgatavalt
Oja Acik, Ilona digi.geenius.ee 2023 TalTechi teadlased: viie aastaga laieneb päikeseenergeetika lahenduste valik märgatavalt

TalTechis arendatakse puidust kestlikke alternatiive plastile
digi.geenius.ee 2025 https://digi.geenius.ee/blogi/teadus-ja-tulevik/taltechi-teadlased-arendavad-kestlikke-lahendusi-puidu-vaarindamiseks/

TalTechis leiutati viis õhupuhasteid parendada
Imeline Teadus 2019 / lk. 21 https://www.ester.ee/record=b2747925*est

Teadlane arutleb: Kuivõrd riidest poekott on keskkonnasõbalik?
Külaots, Helen kaubandus.ee 2023 Teadlane arutleb: Kuivõrd riidest poekott on keskkonnasõbalik?

Teadlane dilemma ees - kas teha teadust või siseneda ärimaailma
Grossberg-Kuusk, Maarja TööstusEST 2024 / lk. 10-13 : portr., skeem https://www.ester.ee/record=b4481084*est

Teadlane dilemma ees – kas teha teadust või siseneda ärimaailma
Alvela, Ain toostusest.ee 2024 Teadlane dilemma ees – kas teha teadust või siseneda ärimaailma

Teadlane ravimisaastega veest : inimeste hulluksminek võib olla normaalne, aga Läänemere kalade oma mitte
Lepassalu, Virkko Pealinn 2018 / lk. 6-7 : fot http://www.pealinn.ee/tagid/koik/teadlane-ravimisaastega-veest-inimeste-hulluksminek-voib-olla-n233553

Teadlane selgitab: miks ei tohi ravimeid mingil juhul visata kanalisatsiooni või olmeprügisse
digi.geenius.ee 2023 Teadlane selgitab: miks ei tohi ravimeid mingil juhul visata kanalisatsiooni või olmeprügisse

Teadlane vastab : kumba siis eelistada – paber- või kilekotti?
Külaots, Helen kaubandus.ee 2023 Teadlane vastab: kumba siis eelistada – paber- või kilekotti?

Teadlane vastab: mis saab prügikasti visatud kohvitopsist? [Võrguväljaanne]
Krumme, Andres novaator.err.ee 2021 "Teadlane vastab: mis saab prügikasti visatud kohvitopsist?"

Teadus ja igapäevaelu : teadussaavutuste rakendamine praktikas
Alvela, Ain Tehnikamaailm 2024 / lk. 68-73 : ill., fot., portr https://www.ester.ee/record=b1073050*est

Teadus ja unelm : [TTÜs 3.10.2013 Leevi Mölder'i peetud viimase loengu tekst]
Mölder, Leevi; Mölder, Maila 2018 https://www.ester.ee/record=b5191724*est

Teadus teab 2021-06-08 [Võrguväljaanne]
Grossberg, Maarja Kuku Taskuhääling 2021 / audio Teadus teab 2021-06-08: Maarja Grossberg

Teaduskommunikatsiooni konverentsil pälvisid auhinnad Maarja Grossberg-Kuusk ja Mare Kõiva
akadeemia.ee 2024 Teaduskommunikatsiooni konverentsil pälvisid auhinnad Maarja Grossberg-Kuusk ja Mare Kõiva

Teaduste akadeemia sai juurde kolm uut akadeemikut
Oidermaa, Jaan-Juhan novaator.err.ee 2023 Teaduste akadeemia sai juurde kolm uut akadeemikut

Techno-economic modelling of the Baltic CCUS onshore scenario
Šogenova, Alla; **Šogenov, Kazbulat**; **Uibu, Mai**; **Kuusik, Rein, keemik**; **Simmer, Karl** Baltic Carbon Forum 2022 / p. 4 https://doi.org/10.21595/bcf.2022.22841

Techno-economic modelling of the Baltic CCUS onshore scenario : [PowerPoint presentation]
Šogenova, Alla; **Šogenov, Kazbulat**; **Simmer, Karl**; **Uibu, Mai**; **Kuusik, Rein, keemik** 2022 https://bcforum.net/forum_presentations2022/03_03_Dr.%20Alla%20Shogenova%20(TalTech,%20Estonia)%20.pdf

Techno-economic modelling of the Baltic CCUS onshore scenario for the cement industry supported by CLEANKER project
Šogenova, Alla; **Šogenov, Kazbulat**; **Uibu, Mai**; **Kuusik, Rein, keemik**; **Simmer, Karl**; **Canonico, Fulvio** Proceedings of the 15th Greenhouse Gas Control Technologies Conference 15-18 March 2021 2021 / 13 p. : ill https://ssrn.com/abstract=3817710 https://doi.org/10.2139/ssrn.3817710

Tehnikateaduste valdkonna aastapreemia tööde tsükli "Uute 2D- ja 3D-mitmikpooljuhtide optiline spektroskoopia" eest. Uute 2D- ja 3D-mitmikpooljuhtide optiline spektroskoopia
Grossberg, Maarja; **Krustok, Jüri** Eesti Vabariigi preemiad 2021 : teadus. F. J. Wiedemanni keeleauhind. Sport. Kultuur. Haridus 2021 / lk. 94-110 : fot., ill https://www.ester.ee/record=b1226072*est

Tehnikaülikooli kaasprofessor Marina Kritševskaja räägib paberkottide müüdist ja "keskkonnasõbralikust" loosungist
Kritševskaja, Marina digi.geenius.ee 2025 https://digi.geenius.ee/blogi/teadus-ja-tulevik/intervjuu-tehnikaulikooli-kaasprofessor-marina-kritsevskaja-raagib-paberkottide-muudist-ja-keskkonnasobralikust-loosungist/

Tehnikaülikooli teadlased leiutasid uudse õhupuhastamise tehnoloogia
Bolobajev, Juri digi.geenius.ee 2024 https://digi.geenius.ee/blogi/teadus-ja-tulevik/tehnikaulikooli-teadlased-leiutasid-uudse-ohupuhastamise-tehnoloogia/

Tehnikaülikoolis toimub täna koolinoorte võistlus «Prügiretseptid 2023»

,
Репортаж "АК" с конкурса школьников "Рецепты из мусора"
postimees.ee 2023 Tehnikaülikoolis toimub täna koolinoorte võistlus «Prügiretseptid 2023» Репортаж "АК" с конкурса школьников "Рецепты из мусора"