

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 study on motorcycle helmets with application of novel porous material

Lavrentjev, Jüri; Rämmal, Hans SAE Technical Paper Series : The 25th Small Engine Technology Conference (SETC2019) : Small Powertrains–Innovating for Their Future Role, International Conference Center Hiroshima, November 19-21, 2019 : Final program 2020 / Paper 2019-32-0531, p. 1-7 : ill <https://www.sae.org/publications/technical-papers/content/2019-32-0531/> http://www.setc-jsae.com/2019docs/SETC2019_FinalProgram_all.pdf [Conference proceedings at Scopus](#) [Article at Scopus](#)

Acoustic study on tubular micro-perforated flow plug sections for vehicle silencer's application

Villau, Margus; Rämmal, Hans; Lavrentjev, Jüri SAE Technical Paper 2022 / p. 1-7 <https://doi.org/10.4271/2022-01-0933> <https://www.sae.org/publications/technical-papers/content/2022-01-0933/> [Conference proceedings at Scopus](#) [Article at Scopus](#)

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](#)

Ameliorating effect of nitrate on nitrite inhibition for denitrifying P-accumulating organisms

Zekker, Ivar; Mandel, Anni; Rikmann, Ergo; Jaagura, Madis; Salmar, Siim; Ghangrekar, Makarand Madhao; Tenno, Taavo Science of the total environment 2021 / art. 149133, 10 p. : ill <https://doi.org/10.1016/j.scitotenv.2021.149133> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Analytical approach for maximizing self-consumption of nearly zero energy buildings- case study : Baltic region

Ahmadihangar, Roya; Karami, Hossein; Husev, Oleksandr; Blinov, Andrei; Rosin, Argo; Jonaitis, Audrius; Sanjari, Mohammad Javad Energy 2022 / art. 121744, 11 p. : ill <https://doi.org/10.1016/j.energy.2021.121744> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

ANAMMOX-denitrification biomass in microbial fuel cell to enhance the electricity generation and nitrogen removal efficiency

Zekker, Ivar; Bhowmick, Gourav Dhar; Priks, Hans; Nath, Dibyojyoty; Rikmann, Ergo; Jaagura, Madis Biodegradation 2020 / p. 249 - 264 <https://doi.org/10.1007/s10532-020-09907-w> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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 mineral carbonation of ultramafic material : a pre-requisite to integrate into mineral extraction and tailings management operation

Veetil, Sanoop Kumar Puthiya; Hitch, Michael William Environmental science and pollution research 2021 / p. 29096–29109 : ill <https://doi.org/10.1007/s11356-021-12481-0> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Assessing the potential for sea-based macroalgae cultivation and its application for nutrient removal in the Baltic Sea

Kotta, Jonne; Raudsepp, Urmas; Szava-Kovats, Robert; Szava-Kovats, Robert; Aps, Robert; Armoskaite, Aurelija; Barda, Ieva; Bergström, Per; Futter, Martyn; Maljutenko, Ilja Science of the total environment 2022 / art. 156230 ; 14 p. : ill <https://doi.org/10.1016/j.scitotenv.2022.156230> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [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](#)

Bioremediation of lindane contaminated soil: Exploring the potential of Actinobacterial strains

Usmani, Zeba; Kulp, Maria; Lukk, Tiit Chemosphere 2021 / art. 130468, 12 p. : ill <https://doi.org/10.1016/j.chemosphere.2021.130468> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Catalytic effect of oil shale ash on CO₂ gasification of leached wheat straw and reed chars

Link, Siim; Tran, Khanh-Quang; Bach, Quang-Vu; Yrjas, Patrik; **Rosin, Argo** Energy 2018 / p. 906-913

<https://doi.org/10.1016/j.energy.2018.04.013> [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](#)

A comparative evaluation towards the potential of *Klebsiella* sp. and *Enterobacter* sp. in plant growth promotion, oxidative stress tolerance and chromium uptake in *Helianthus annuus* (L.)

Gupta, Pratishtha; Kumar, Vipin; Usmani, Zeba; Rani, Rupa; Chandra, Avantika; **Gupta, Vijai Kumar** Journal of hazardous materials 2019 / 7 p. : ill <https://doi.org/10.1016/j.jhazmat.2019.05.054> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

COVID-19 and waste production in households: A trend analysis

Filho, Walter Leal; **Voronova, Viktoria**; **Klõga, Marija**; Paco, A; Minhas, A Science of the total environment 2021 / art. 145997, 7 p <https://doi.org/10.1016/j.scitotenv.2021.145997> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Dating of glacial palaeogroundwater in the Ordovician-Cambrian aquifer system, northern Baltic Artesian Basin

Pärn, Joonas; **Raidla, Valle**; **Ivask, Jüri**; **Kaup, Enn**; **Martma, Tõnu**; **Vaikmäe, Rein** Applied geochemistry 2019 / p. 64-76 : ill <https://doi.org/10.1016/j.apgeochem.2019.01.004> [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](#)

A descriptive analysis of the linkage between the vertical stratification and current oscillations in the Gulf of Finland

Suhhova, Irina; **Liblik, Taavi**; **Lilover, Madis-Jaak**; **Lips, Urmas** Boreal environment research 2018 / p. 83-103 : ill https://www.ester.ee/record=b1199571*est <https://www.borenv.net/BER/archive/ber231-6.htm> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Design rules for environmental biodegradability of phenylalanine alkyl ester linked ionic liquids

Suk, Morten; Haiß, Annette; Westphal, Janin; Jordan, Andrew; Kellett, Andrew; **Kapitanov, Illia**; **Karpichev, Yevgen**; **Gathergood, Nicholas**; Kümmerer, Klaus Green chemistry 2020 / p. 4498–4508 <https://doi.org/10.1039/D0GC00918K> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Developing benthic monitoring programmes to support precise and representative status assessments: a case study from the Baltic Sea

Nygard, Henrik; Lindegarth, Mats; Darr, Alexander; Dinesen, Grete E.; Eigaard, Ole R.; **Lips, Inga** Environmental monitoring and assessment 2020 / p. 1–18 : ill <https://doi.org/10.1007/s10661-020-08764-7> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Developments in enzyme and microalgae based biotechniques to remediate micropollutants from aqueous systems - a review

Usmani, Zeba; Sharma, Minaxi; **Lukk, Tiit**; **Karpichev, Yevgen** Critical reviews in environmental science and technology 2022 / p. 1684-1729 <https://doi.org/10.1080/10643389.2020.1862551> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Direct aqueous carbonation on olivine at a CO₂ partial pressure of 6.5 MPa

Li, Jiajie; Jacobs, Anthony D.; **Hitch, Michael William** Energy 2019 / p. 902-910 : ill <https://doi.org/10.1016/j.energy.2019.02.125> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Drivers of dissolved organic carbon export in a subarctic catchment : importance of microbial decomposition, sorption-desorption, peatland and lateral flow

Tang, Jing; Yurova, Alla Y.; Schurger, Guy; Miller, Paul A.; Olin, Stefan; Smith, Benjamin; Siewert, Matthias B.; Olefeldt, David; Pilejö, Petter; **Poska, Anneli** Science of the total environment 2018 / p. 260-274 : ill <https://doi.org/10.1016/j.scitotenv.2017.11.252> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Ecotoxicity profiling of a library of 24 l-phenylalanine derived surface-active ionic liquids (SAILs)

Kusumahastuti, Dewi Kurnianingsih Arum; Sihtmäe, Mariliis; Aruoja, Villem; **Gathergood, Nicholas**; Kahru, Anne Sustainable chemistry and pharmacy 2021 / art. 100369, 10 p <https://doi.org/10.1016/j.scp.2020.100369> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Effect of ice cover on wave statistics and wave-driven processes in the northern Baltic Sea

Najafzadeh, Fatemeh; Kudryavtseva, Nadezhda; Soomere, Tarmo; Giudici, Andrea Boreal environment research 2022 / p. 97-116 : ill <https://www.borenv.net/BER/archive/pdfs/ber27/ber27-097-116.pdf> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Effect of substrate properties and phosphorus supply on facilitating the uptake of rare earth elements (REE) in mixed culture cropping systems of Hordeum vulgare, Lupinus albus and Lupinus angustifolius

Monei, Nthathi Lilian; Hitch, Michael William; Heim, Juliane; Pourret, Olivier; Heilmeyer, Hermann; Wiche, Oliver Environmental science and pollution research 2022 / p. 57172-57189 <https://doi.org/10.1007/s11356-022-19775-x> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Effects of ventilation improvement on measured and perceived indoor air quality in a school building with a hybrid ventilation system

Vornanen-Winqvist, Camilla; Salonen, Heidi; **Kurnitski, Jarek** International journal of environmental research and public health 2018 / art. 1414, 18 p. : ill <https://doi.org/10.3390/ijerph15071414> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Emission measurements with gravimetric impactors and electrical devices : An aerosol instrument comparison

Salo, Laura; Mylläri, Fanni; Maasikmets, Marek; Niemelä, Ville; **Konist, Alar; Kupri, Hanna-Lii** Aerosol science and technology 2019 / p. 526-539 : ill <https://doi.org/10.1080/02786826.2019.1578858> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Endurance of micro-perforated elements in unmanned ground vehicle's small diesel engine silencer application

Rämmal, Hans; Lavrentjev, Jüri SAE Technical Paper Series : The 25th Small Engine Technology Conference (SETC2019) : Small Powertrains-Innovating for Their Future Role, International Conference Center Hiroshima, November 19-21, 2019 : Final program 2020 / Paper 2019-32-0533, p. 1-8 http://www.setc-jsae.com/2019docs/SETC2019_FinalProgram_all.pdf [Conference proceedings at Scopus](#) [Article at Scopus](#)

Energy cascade connection of a low-temperature district heating network to the return line of a high-temperature district heating network

Volkova, Anna; Krupenski, Igor; Ledvanov, Aleksandr; Hlebnikov, Aleksandr; **Lepiksaar, Kertu; Latõšov, Eduard; Mašatin, Vladislav** Energy 2020 / art. 117304, 15 p. : ill <https://doi.org/10.1016/j.energy.2020.117304> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Enhanced efficiency of nitrating-anammox sequencing batch reactor achieved at low decrease rates of oxidation-reduction potential

Zekker, Ivar; Kivirüüt, Aimar; Rikmann, Ergo; Mandel, Anni; **Jaagura, Madis;** Tenno, Toomas; Artemchuk, Oleg; Rubin, Sergio Dc; Tenno, Taavo Environmental Engineering Science 2019 / p. 350-360 <https://doi.org/10.1089/ees.2018.0225> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

The EU Horizon 2020 project GRACE : integrated oil spill response actions and environmental effects

Jørgensen, Kristen S.; Kreutzer, Anne; Lehtonen, Kari K.; Kankaanpää, Harri; Truu, Jaak; **Kõuts, Tarmo; Lilover, Madis-Jaak** Environmental sciences Europe 2019 / art. 44, 10 p. : ill <https://doi.org/10.1186/s12302-019-0227-8> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Evaluation of carbon aerogel-based solid-phase extraction sorbent for the analysis of sulfur mustard degradation products in environmental water samples

Jõul, Piia; Vaher, Merike; Kuhtinskaja, Maria Chemosphere 2018 / p. 460-468 <https://doi.org/10.1016/j.chemosphere.2018.01.157> [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](#)

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](#)

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](#)

Fronts in the Baltic Sea : a review with a focus on its North-Eastern Part

Suursaar, Ülo; **Elken, Jüri**; Belkin, Igor M. The Handbook of Environmental Chemistry 2022 / p. 1-39
https://doi.org/10.1007/698_2021_813 [Article Collection metrics at Scopus](#) [Article at Scopus](#)

Generation of large pollution patches via collisions of sticky floating parcels driven by wind and surface currents

Giudici, Andrea; Kalda, Jaan; Soomere, Tarmo Marine pollution bulletin 2019 / p. 573–585 : ill
<https://doi.org/10.1016/j.marpolbul.2019.02.039> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Green profiling of aprotic versus protic ionic liquids : synthesis and microbial toxicity of analogous structures

Reid, Joshua E.S.J.; Prydderch, Hannah; Spulak, Marcel; Shimizu, Seishi; Walker, Adam J.; **Gathergood, Nicholas** Sustainable Chemistry and Pharmacy 2018 / p. 17-26 <https://doi.org/10.1016/j.scp.2017.11.001> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Hazard evaluation of polystyrene nanoplastic with nine bioassays did not show particle-specific acute toxicity

Heinlaan, Margit; Kasemets, Kaja; Aruoja, Villem; Blinova, Irina; Bondarenko, Olesja; Lukjanova, Aljona; Khosrovyan, Alla; Kurvet, Imbi; Pullerits, Mirjam; Sihtmäe, Mariliis; **Vasiliev, Grigory**; Vija, Heiki; Kahru, Anne Science of the total environment 2020 / art. 136073, 7 p. : ill <https://doi.org/10.1016/j.scitotenv.2019.136073> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at Scopus](#) [Article at WOS](#)

Hazardous substances in the sediments and their pathways from potential sources in the eastern Gulf of Finland

Kuprijanov, Ivan; Väli, Germa; Sharov, Andrey; Berezina, Nadezhda; **Liblik, Taavi**; **Lips, Urmas**; Kolesova, Natalja; Maanio, Jaakko; Junttila, Ville; **Lips, Inga** Marine pollution bulletin 2021 / art. 112642, 19 p. : ill <https://doi.org/10.1016/j.marpolbul.2021.112642> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Heavy metals removal in biological wastewater treatment dependent on process parameters

Lember, Erki; Pachel, Karin; Loigu, Enn Desalination and water treatment 2018 / p. 245-251 : ill
<https://doi.org/10.5004/dwt.2018.22460> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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](#)

Hospital wastewater treatment with pilot-scale pulsed corona discharge for removal of pharmaceutical residues

Ajo, Petri; **Preis, Sergei**; Vornamo, Timo; Mänttari, 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](#)

Implications of plant growth promoting Klebsiella sp. CPSB4 and Enterobacter sp. CPSB49 in luxuriant growth of tomato plants under chromium stress

Gupta, Pratishtha; Kumar, Vipin; Usmani, Zeba; Rani, Rupa; Chandra, Avantika; **Gupta, Vijai Kumar** Chemosphere 2020 / Art. nr. 124944 <https://doi.org/10.1016/j.chemosphere.2019.124944> [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](#)

Introduction to the Chemical Oceanography of Frontal Zones

Belkin, Igor M.; Aliani, Stefano; Alkire, Matthew B.; Badewien, Thomas H.; Berta, Maristella; Durán Gómez, Gloria Silvana; Eliassen, Solve Karadottir; **Elken, Jüri**; Griffa, Annalisa; Suursaar, Ülo The Handbook of Environmental Chemistry 2022 / p. 1-23
https://doi.org/10.1007/698_2022_894 [Article Collection metrics at Scopus](#) [Article at Scopus](#)

Is the increasing incidence of thyroid cancer in the nordic countries caused by use of mobile phones?

Carlberg, Michael; **Koppel, Tarmo**; Hedendahl, Lena K.; Hardell, Lennart International journal of environmental research and public health 2020 / 9 p. : ill <https://doi.org/10.3390/ijerph17239129> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Laboratory and pilot plant scale study on the removal of radium, manganese and iron from drinking water using hydrous manganese oxide slurry

Bolobajev, Juri; Leier, Maria; Vaasma, Taavi; Nilb, Nele; Salupere, Siiri Journal of environmental chemical engineering 2022 / art. 108942 <https://doi.org/10.1016/j.jece.2022.108942> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Lignocellulosic biomass (LCB) : a potential alternative biorefinery feedstock for polyhydroxyalkanoates production

Al-Battashi, Huda Sultan; Annamalai, Neelamegam; Sivakumar, Nallusamy; **Gupta, Vijai Kumar** Reviews in Environmental Science and Biotechnology 2019 / p. 183–205 : ill <https://doi.org/10.1007/s11157-018-09488-4> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Long-term mineral transformation of Ca-rich oil shale ash waste

Leben, Kristjan; Mötle, Riho; Paaver, Peeter; **Konist, Alar; Pihu, Tõnu** Science of the total environment 2019 / p. 1404-1415 : ill <https://doi.org/10.1016/j.scitotenv.2018.12.326> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Low-temperature waste heat enabling abandoning coal in Espoo district heating system

Hiltunen, Pauli; Syri, Sanna Energy 2021 / art. 120916, 11 p. : ill <https://doi.org/10.1016/j.energy.2021.120916> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Material and debris transport patterns in Moreton Bay, Australia : the influence of Lagrangian coherent structure

Suara, Kabir Adewale; Khanarmuei, Mohammadreza; Ghosh, Anusmriti; Yu, Yingying; Zhang, Hong; **Soomere, Tarmo**; Brown, Richard J. Science of the total environment 2020 / art. 137715 <https://doi.org/10.1016/j.scitotenv.2020.137715> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Method of linear approximation of COP for heat pumps and chillers based on thermodynamic modelling and off-design operation

Pieper, Henrik; Krupenski, Igor; Markussen, Wiebke Brix; Ommen, Torben; **Siirde, Andres; Volkova, Anna** Energy 2021 / art. 120743 : ill <https://doi.org/10.1016/j.energy.2021.120743> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Methodology for evaluating the transition process dynamics towards 4th generation district heating systems

Volkova, Anna; Mašatin, Vladislav; Siirde, Andres Energy 2018 / p. 253-261 : ill <https://doi.org/10.1016/j.energy.2018.02.123> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Modelling spatial dispersion of contaminants from shipping lanes in the Baltic Sea

Maljutenko, Ilja; Hassellöv, Ida-Maja; **Kõuts, Mariliis; Kasemets, Mari-Liis; Raudsepp, Urmas** Marine pollution bulletin 2021 / art. 112985 <https://doi.org/10.1016/j.marpolbul.2021.112985> [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](#)

Occurrence and distribution of selected antibiotics in the surface waters and ecological risk assessment based on the theory of natural disaster

Li, Sijia; Ju, Hanyu; Zhang, Jiquan; Zhang, Jiquan; Chen, Peng; Ji, Meichen; Ren, Jianhua; **Zhao, Shuyun** Environmental Science and Pollution Research 2019 / p. 28384 - 28400 <https://doi.org/10.1007/s11356-019-06060-7> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

An assessment of attitudes towards plastics and bioplastics in Europe

Filho, Walter Leal; Salvia, Amanda Lange; Bonoli, Alessandra; Saari, Ulla A.; **Voronova, Viktoria; Klõga, Marija** The science of the total environment 2021 / art. 142732, 10 p. : ill <https://doi.org/10.1016/j.scitotenv.2020.142732> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Oil prices, unemployment and the financial crisis in oil-importing countries : The case of Spain

Ordóñez, Javier; Monfort, Mercedes; Cuestas, Juan Carlos Energy 2019 / p. 625-634 <https://doi.org/10.1016/j.energy.2019.05.209> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

An online platform for rapid oil outflow assessment from grounded tankers for pollution response

Tabri, Kristjan; Heinvee, Martin; Laanearu, Janek; Kollo, Monika; Goerlandt, Floris Marine pollution bulletin 2018 / p. 963-976 : ill <https://doi.org/10.1016/j.marpolbul.2018.06.039> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Optimization of renewable energy for buildings with energy storages and 15-minute power balance

Savolainen, Rebecka; Lahdelma, Risto Energy 2022 / art. 123046 <https://doi.org/10.1016/j.energy.2021.123046> [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](#)

Parameter estimation of PEM fuel cells employing the hybrid grey wolf optimization method

Miao, Di; Chen, Wei; Zhao, Wei; **Demsas, Tekle** Energy 2020 / Art. 116616 <https://doi.org/10.1016/j.energy.2019.116616> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Performance of additive manufactured stacks in a small scale thermoacoustic heat engine

Auriemma, Fabio; Holovenko, Yaroslav SAE Technical Papers 2019 / 2019-01-1534, 10 p. : ill <https://doi.org/10.4271/2019-01-1534>
[Journal metrics at Scopus](#) [Article at Scopus](#)

Persistency of debris accumulation in tidal estuaries using Lagrangian coherent structures

Ghosh, Anusmriti; Suara, Kabir Adewale; McCue, Scott W.; Yu, Yingying; **Soomere, Tarmo**; Brown, Richard J. The science of the total environment 2021 / art. 146808, 12 p. : ill <https://doi.org/10.1016/j.scitotenv.2021.146808> [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](#)

Re-addressing the biosafety issues of plant growth promoting rhizobacteria

Keswani, Chetan; Prakash, Om; Bharti, Nidhi; Vilchez, Juan I.; Sansinenea, Estibaliz; Lally, Richard D.; Borriss, Rainer; Singh, Surya P.; **Gupta, Vijai Kumar**; Fraceto, Leonardo F. Science of the total environment 2019 / p. 841-852 : ill <https://doi.org/10.1016/j.scitotenv.2019.07.046> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Realisation of energy performance targets of an old apartment building renovated to nZEB

Hamburg, Anti; Kuusk, Kalle; Mikola, Alo; Kalamees, Targo Energy 2020 / art. 116874, 10 p. : ill <https://doi.org/10.1016/j.energy.2019.116874> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Removal of phosphonates from synthetic and industrial wastewater with reusable magnetic adsorbent particles

Rott, Eduard; Nouri, Mohammad; Meyer, Carsten; Minke, Ralf; Schneider, Michael; Mandel, Karl; **Ivanova Drenkova-Tuhtan, Asya** Water research 2018 / p. 608-617 <https://doi.org/10.1016/j.watres.2018.08.067> [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](#)

Shipborne nutrient dynamics and impact on the eutrophication in the Baltic Sea

Raudsepp, Urmas; Maljutenko, Ilja; Kõuts, Mariliis; Granhag, Lena Science of the total environment 2019 / p. 189-207 : ill <https://doi.org/10.1016/j.scitotenv.2019.03.264> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Small low-temperature district heating network development prospects

Volkova, Anna; Krupenski, Igor; Pieper, Henrik; Ledvanov, Aleksandr; **Latšov, Eduard; Siirde, Andres** Energy 2019 / p. 714-722 <https://doi.org/10.1016/j.energy.2019.04.083> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Soil microbial biomass : a key soil driver in management of ecosystem functioning

Singh, Jay Shankar; **Gupta, Vijay Kumar** Science of the total environment 2018 / p. 497-500 : ill <https://doi.org/10.1016/j.scitotenv.2018.03.373> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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](#)

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](#)

Spatial patterns of quality of historical wave climate reconstructions for the Baltic Sea

Räämet, Andrus; Soomere, Tarmo Boreal environment research 2021 / p. 29-41 : ill <https://www.proquest.com/docview/2676153664?pq-origsite=gscholar&fromopenview=true&sourcetype=Scholarly%20Journals> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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](#)

Synthesis, self-assembly, bacterial and fungal toxicity, and preliminary biodegradation studies of a series of l-

phenylalanine-derived surface-active ionic liquids

Kapitanov, Illia; Jordan, Andrew; **Karpichev, Yevgen**; **Gathergood, Nicholas** Green chemistry 2019 / p. 1777–1794 : ill
<https://doi.org/10.1039/c9gc00030e> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Techno-economic analysis and energy forecasting study of domestic and commercial photovoltaic system installations in Estonia

Shabbir, Noman; **Kütt, Lauri**; **Raja, Hadi Ashraf**; Jawad, Muhammad; Allik, Alo; **Husev, Oleksandr** Energy 2022 / art. 124156
<https://doi.org/10.1016/j.energy.2022.124156> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Thermodynamic and economic analysis of reverse osmosis and multi-effect thermal vapor compression desalination systems : a comparative study

Liu, Ziyin; Zhang, Shijun; **Kilburn, Zofia J.** Desalination and Water Treatment 2021 / p. 36 - 52 <https://doi.org/10.5004/dwt.2021.26949>
[Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Three-dimensional Co/Ni bimetallic organic frameworks for high-efficient catalytic ozonation of atrazine: Mechanism, effect parameters, and degradation pathways analysis

Ye, Guojie; Luo, Pei; Zhao, Yasi; Qiu, Guanglei; Hu, Yun; **Preis, Sergei**; Wei, Chaohai Chemosphere 2020 / art. 126767, 12 p
<https://doi.org/10.1016/j.chemosphere.2020.126767> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Toxicity profiling of 24 l-phenylalanine derived ionic liquids based on pyridinium, imidazolium and cholinium cations and varying alkyl chains using rapid screening Vibrio fischeri bioassay

Kusumahastuti, Dewi Kurnianingsih Arum; Sihtmäe, Mariliis; **Kapitanov, Illia**; **Karpichev, Yevgen**; **Gathergood, Nicholas**; Kahru, Anne Ecotoxicology and environmental safety 2019 / p. 556-565 : ill <https://doi.org/10.1016/j.ecoenv.2018.12.076> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Water quality near Estonian harbours in the Baltic Sea as observed from entire MERIS full resolution archive

Sipelgas, Liis; **Uiboupin, Rivo**; **Arikas, Age**; **Siitam, Laura** Marine pollution bulletin 2018 / p. 565-574 : ill
<https://doi.org/10.1016/j.marpolbul.2017.09.058> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Ventilation positive pressure intervention effect on indoor air quality in a school building with moisture problems

Vormanen-Winqvist, Camilla; Järvi, Kati; Toomla, Sander; Ahmed, Kaiser; **Kurnitski, Jarek** International journal of environmental research and public health 2018 / 23 p. : ill <https://doi.org/10.3390/ijerph15020230> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)