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

Aniliinide ja fenoolide toksilisus vetikale Pseudokirchneriella subcapitata ja bakterile Vibrio fischeri : võrdlus kirjanduse andmete ja QSAR-idega
Aruoja, Villem; **Sihtmäe, Mariliis**; Kahru, Anne XXXII Eesti Keemiapäevad : teaduskonverentsi teesid 2011 / lk. 14

Antibacterial activity of 24 L-phenylalanine derived surface-active ionic liquids (SAILs) towards two clinically relevant pathogens
Kusumahastuti, Dewi Kurnianingsih Arum; Sihtmäe, Mariliis; Gathergood, Nicholas; Kahru, Anne Journal of international scientific publications : ecology & safety 2019 / p. 16-28 : ill https://www.scientific-publications.net/en/article/1001856/

Antibacterial activity of of L-Phenylalanine derived ionic liquids [Online resource]
Kusumahastuti, Dewi Kurnianingsih Arum; **Sihtmäe, Mariliis**; **Kapitanov, Illia**; **Karpichev, Yevgen**; **Gathergood, Nicholas**; 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/

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

Antibacterial and antifungal efficacy of novel chitosan-silver nanocomposites
Kasemets, Kairi; Laanoja, Jüri; Sihtmäe, Mariliis; Kurvet, I.; Otsus, Maarja; Vija, H.; Kahru, Anne (E-MRS) European Materials Research Society 2023 Spring Meeting : 40th Anniversary 2023 / art. 61_875
https://www.dropbox.com/s/w8prtknkt2ekutr/SPRING%2023%20-%20Conference%20program.pdf?dl=0

Atomic layer deposition of titanium oxide films on As-synthesized magnetic Ni particles: magnetic and safety properties
Uudeküll, Peep; Kozlova, Jekaterina; Mändar, Hugo; Link, Joosep; Sihtmäe, Mariliis; **Käosaar, Sandra**; Blinova, Irina; Kasemets, Kaja; Kahru, Anne; Stern, Raivo Journal of magnetism and magnetic materials 2017 / p. 299-304 : ill
https://doi.org/10.1016/j.jmmm.2017.01.045 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Chitosan-copper oxide nanocomposites : synthesis, antibacterial efficacy, and cytotoxicity
Laanoja, Jüri; Sihtmäe, Mariliis; Otsus, Maarja; Kasemets, Kaja; Kahru, Anne 2025 IEEE 15th International Conference "Nanomaterials: Applications & Properties" : Abstract Book 2025 2025 / p. 464 https://ieeenap.org/data/Book_of_Abstracts_2025.pdf

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

(Eco)toxicological and Antibacterial Effects of 24 L-Phenylalanine Derived Ionic Liquids against Marine and Clinically Relevant Bacteria
Kusumahastuti, Dewi Kurnianingsih Arum; Sihtmäe, Mariliis; **Kapitanov, Illia**; **Karpichev, Yevgen**; Kahru, Anne; Gathergood, Nicholas IUPAC Postgraduate Summer School on Green Chemistry : 7-13 July 2018, Venice - Italy : book of abstracts 2018 / p. 74
https://www.unive.it/pag/fileadmin/user_upload/extra/SSGC/documenti/Book_of_abstracts_per_website_23_July.pdf

(Eco)toxicological information on REACH-relevant chemicals : contribution of alternative methods to in vivo approaches
Sihtmäe, Mariliis 2011 http://www.ester.ee/record=b2733161*est

Ecotoxicological profiling and antibacterial potency of a series of 24 L-phenylalanine based SAILs = 24 L-fenüülalaniini-põhise ioonvedeliku ökotoksikoloogiline ja antibakteriaalne iseloomustamine
Kusumahastuti, Dewi Kurnianingsih Arum 2021 https://doi.org/10.23658/tallinn.30/2021 https://www.ester.ee/record=b5436547*est
https://digikogu.taltech.ee/et/Item/bae0391e-b57c-476d-acda-6cd147ee55d0

Eesti biokütuste energeetilise ressursi hinnang
Paist, Aadu; **Kask, Ülo**; **Kask, Livia**; Sihtmäe, Mariliis Taastuvate energiaallikate uurimine ja kasutamine : neljanda konverentsi kogumik = Investigation and usage of renewable energy sources : fourth conference proceedings : Tartu, Estonia, 2003 2003 / lk. 34-44

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

E-SovTox : veebipõhine andmebaas venekeelses teaduskirjanduses publitseeritud kemikaalide (öko)toksikoloogia-alaste andmete kohta
Sihtmäe, Mariliis; Blinova, Irina; **Aruoja, V.**; Kahru, Anne XXXII Eesti Keemiapäevad : teaduskonverentsi teesid 2011 / lk. 93

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

Ilma ei jõua soojaks kütta : energia säästliku kasutamise õpik [3.-5. klassile]
Kask, Ülo; **Kask, Livia**; **Sihtmäe, Mariliis**; Kuldpere, Kaire 2005 https://www.ester.ee/record=b2118454*est

Narva elektrijaamade tuhaheitmete keskkonnamõjud : kombineeritud geokeemiline ja ökotoksikoloogiline uuring
Käkinen, Aleksandr; Blinova, Irina; Ivask, Angela; Kasemets, K.; **Bitjukova, Liidia**; Aruoja, V.; Kurvet, Imbi; Mortimer, Monika; Bondarenko, Olesja; Sihtmäe, Mariliis; Kahru, Anne XXXII Eesti Keemiapäevad : teaduskonverentsi teesid 2011 / lk. 53

A novel method for comparison of biocidal properties of nanomaterials to bacteria, yeasts and algae
Suppi, Sandra; Kasemets, Kaja; Ivask, Angela; Künnis-Beres, Kai; Sihtmäe, Mariliis; Kurvet, Imbi; Aruoja, Villem; Kahru, Anne Journal of Hazardous Materials 2015 / p. 75 - 84 https://doi.org/10.1016/j.jhazmat.2014.12.027 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Orgaaniliste jäätmete energeetiline potentsiaal ja selle kasutamise võimalusi Saare maakonnas
Kask, Ülo; Sihtmäe, Mariliis; Õim, Kristjan Taastuvate energiaallikate uurimine ja kasutamine : kolmanda konverentsi kogumik : [1. november 2001, Tartu] 2002 / lk. 124-133

Porphyrin-based (chir)optical sensing of amino-functionalized thiourea organocatalysts
Konrad, Nele; Horetski, Matvey; Sihtmäe, Mariliis; Osadchuk, Irina; Truong, Khai-Nghi; **Borovkov, Victor**; **Aav, Riina**; **Kananovich, Dzmitry** Twelfth International Conference on Porphyrins and Phthalocyanines : ICPP-12 : book of abstracts 2022 / p. 393 http://www.icpp-spp.org/img_icpp12/ICPP-12%20BOA.pdf

Silver–chitosan nanocomposites for biomedical application : design, synthesis and antimicrobial efficiency
Kasemets, Kaja; **Laanoja, Jüri**; **Sihtmäe, Mariliis**; **Vija, Heiki**; **Kurvet, Imbi**; **Otsus, Maarja**; **Kahru, Anne** International Conference EcoBalt 2023 "Chemicals&Environment" 2023 / 2 p. https://doi.org/10.3390/proceedings2023092040

Study of the development of bacterial resistance to silver-chitosan nanocomposites and cross-resistance to common antibiotics
Sihtmäe, Mariliis; Laanoja, Jüri; Otsus, Maarja; Kahru, Anne; **Kasemets, Kaja** (E-MRS) European Materials Research Society 2023 Spring Meeting : 40th Anniversary 2023 / art. 01914 https://www.european-mrs.com/meetings/archives/2023/2023-spring-meeting

Synthesis and antibacterial efficiency of chitosan–copper oxide nanocomposites
Laanoja, Jüri; **Sihtmäe, Mariliis**; **Otsus, Maarja**; **Kahru, Anne**; **Kasemets, Kaja** International Conference EcoBalt 2023 "Chemicals&Environment" 2023 / 2 p. https://doi.org/10.3390/proceedings2023092035

Synthesis and antimicrobial activity profiling of library of L-Phenylalanine derived ionic liquids
Kusumahastuti, Dewi Kurnianingsih Arum; Sihtmäe, Mariliis; **Kapitanov, Illia**; **Karpichev, Yevgen**; **Gathergood, Nicholas**; Kahru, Anne Encountering global challenges through innovation on science, technology, engineering, and mathematics (STEM), and education 2017 / p. 142 http://fmipa.undiksha.ac.id/iconmns2017/files/confbookiconmns17.pdf

Synthesis and synergistic antibacterial efficiency of chitosan-copper oxide nanocomposites
Laanoja, Jüri; Sihtmäe, Mariliis; Vihodceva, Svetlana; Iesalnieks, Mairis; Otsus, Maarja; Kurvet, Imbi; Kahru, Anne; Kasemets, Kaja Heliyon 2024 / art. e35588 https://doi.org/10.1016/j.heliyon.2024.e35588

Thiourea organocatalysts as emerging chiral pollutants : en route to porphyrin-based (chir)optical sensing
Konrad, Nele; **Horetski, Matvey**; **Sihtmäe, Mariliis**; **Osadchuk, Irina**; Senge, Mathias O.; **Borovkov, Victor**; **Aav, Riina**; **Kananovich, Dzmitry** Chemosensors 2021 / art. 278 https://doi.org/10.3390/chemosensors9100278 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

Toxicity of silver–chitosan nanocomposites to aquatic microcrustaceans Daphnia magna and Thamnocephalus platyurus and naturally luminescent bacteria Vibrio fischeri

Sihtmäe, Mariliis; **Laanoja, Jüri**; Blinova, Irina; Kahru, Anne; Kasemets, Kaja Nanomaterials 2024 / art. 1193 https://doi.org/10.3390/nano14141193 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Toxicity of water accommodated fractions of Estonian shale fuel oils to aquatic organisms
Blinova, Irina; **Kanarbik, Liina**; Sihtmäe, Mariliis; Kahru, Anne Archives of Environmental Contamination and Toxicology 2016 / p. 383 - 391 https://doi.org/10.1007/s00244-015-0242-8 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

Toxicological effects of 24 L-Phenylalanine derived ionic liquids against marine and clinically relevant bacteria
Kusumahastuti, Dewi Kurnianingsih Arum; Sihtmäe, Mariliis; **Kapitanov, Illia**; **Karpichev, Yevgen**; **Gathergood, Nicholas**; Kahru, Anne 8th IUPAC International Conference of Green Chemistry : Shangri-La Hotel, Bangkok, Thailand, 9-14 Sept 2018 : poster presentation abstracts 2018 / p. 13
http://www.greeniupac2018.com/download/8th%20IUPAC%20ICGC%202018_Program%20&%20Abstract%20Book_Poster%20Abstract.pdf