

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>
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Bacterial polysaccharide levan as stabilizing, non-toxic and functional coating material for microelement-nanoparticles

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Cubic iron core–shell nanoparticles functionalized to obtain high-performance MRI contrast agents

Volokhova, Maria; Shugai, Anna; Tsujimoto, Masahiko; Kubo, Anna-Liisa; Telliskivi, Sven; Nigul, Mait; Uudeküll, Peep; Vija, Heiki; Bondarenko, Olesja; Adamson, Jasper; Kahru, Anne; Stern, Raivo; Seinberg, Liis Materials 2022 / art. 2228
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Development of bacterial biosensors and human stem cell-based in vitro assays for the toxicological profiling of synthetic nanoparticles = Rekombinantsetel sensorbakteritel ja inimese tüvirakkidel põhinevate in vitro testide väljatöötamine sünteetiliste nanoosakeste toksikoloogiliseks uurimiseks

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Enzymatic synthesis and ways of further treatment of fructooligosaccharides and polymeric levan for prebiotic efficiency studies

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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>
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Mechanisms of toxic action of Ag, ZnO and CuO nanoparticles to selected ecotoxicological test organisms and mammalian cells in vitro: A comparative review

Ivask, Angela; **Juganson, Katre**; Bondarenko, Olesja; Mortimer, Monika; Aruoja, Villem; Kasemets, Kaja; Blinova, Irina; Heinlaan, Margit; Slaveykova, Vera; Kahru, Anne Nanotoxicology 2014 / p. 57-71 : ill <https://doi.org/10.3109/17435390.2013.855831>
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Nano(eco)toxicology : science at the interfaces

Kahru, Anne; Ivask, Angela; Blinova, Irina; **Kasemets, Kaja**; Bondarenko, Olesja; Mortimer, Monika; **Heinlaan, Margit**; Käkinen, Aleksandr; **Aruoja, Villem** SustainChem2011 : International Conference on Materials and Technologies for Green Chemistry jointly with Workshop of COST Action CM0903 (UBIOCHEM-II) : September 5-9, 2011, Tallinn, Estonia : abstract book and program 2011 / p. 22

Narva elektrijaamade tuhaheitmete keskkonnamöjud : kombineeritud geokeemiline ja ökotoksikoloogiline uuring

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Particle-cell contact enhances antibacterial activity of silver nanoparticles

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Surface carboxylation or PEGylation decreases CuO nanoparticles' cytotoxicity to human cells in vitro without compromising their antibacterial properties

Kubo, Anna-Liisa; **Vasiliev, Grigory**; Vija, Heiki; Kristal, Jekaterina; Tõugu, Vello; Visnapuu, Meeri; Kisand, Vambola; **Kahru, Anne**; Bondarenko, Olesja Archives of toxicology 2020 / p. 1561-1573 : ill <https://doi.org/10.1007/s00204-020-02720-7>

Synergistic antibacterial effect of copper and silver nanoparticles and their mechanism of action

Vasiliev, Grigory; Kubo, Anna-Liisa; Vija, Heiki; Kahru, Anne; **Bondar, Denys**; **Karpichev, Yevgen**; Bondarenko, Olesja Scientific reports 2023 / art. 9202, 15 p. : ill <https://doi.org/10.1038/s41598-023-36460-2>
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Synergistic mechanisms and toxicity profiles of silver and copper nanoparticles for the development of novel antimicrobial materials = Vase ja hõbeda nanoosakeste sünergilise koosmõju mehhanismid ja rakendamine uute antimikroobsete materjalide arendamiseks

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Toxicity of Ag, CuO and ZnO nanoparticles to selected environmentally relevant test organisms and mammalian cells in vitro : a critical review

Bondarenko, Olesja; **Juganson, Katre**; Ivask, Angela; Kasemets, Kaja; Mortimer, Monika; Kahru, Anne Archives of Toxicology 2013 / p. 1181 - 1200 <https://doi.org/10.1007/s00204-013-1079-4> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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