# Anne Kahru

## List of Publications by Year in Descending Order



| | | | |
|---|---|---|---|
| 148 papers | 10,511 citations | 46 h-index | 101 g-index |
| 170 ext. papers | 11,657 ext. citations | 5.5 avg, IF | 6.42 L-index |

| # | Paper | IF | Citations |
|---|---|---|---|
| 148 | New challenges for ecotoxicology due to COVID-19 outbreak: focus on metal-based antimicrobials and single-use plastics. *Journal of Hazardous Materials Advances*, **2022**, 6, 100056 | | |
| 147 | Polyamide microplastic exposure elicits rapid, strong and genome-wide evolutionary response in the freshwater non-biting midge Chironomus riparius.. *Chemosphere*, **2022**, 134452 | 8.4 | 0 |
| 146 | Concentration of lanthanides in the Estonian environment: a screening study. *Journal of Hazardous Materials Advances*, **2021**, 4, 100034 | | 1 |
| 145 | Long-Term Toxicity of Gadolinium to the Freshwater Crustacean Daphnia magna. *Bulletin of Environmental Contamination and Toxicology*, **2021**, 1 | 2.7 | 0 |
| 144 | Techniques Used for Analyzing Microplastics, Antimicrobial Resistance and Microbial Community Composition: A Mini-Review. *Frontiers in Microbiology*, **2021**, 12, 603967 | 5.7 | 8 |
| 143 | Ecotoxicity profiling of a library of 24 l-phenylalanine derived surface-active ionic liquids (SAILs). *Sustainable Chemistry and Pharmacy*, **2021**, 19, 100369 | 3.9 | 1 |
| 142 | Biodiversity and functional trait effects on copper toxicity in a proof-of-concept multispecies microalgal assay. *Algal Research*, **2021**, 55, 102204 | 5 | 0 |
| 141 | Antibacterial Activity of Positively and Negatively Charged Hematite (-FeO) Nanoparticles to , and. *Nanomaterials*, **2021**, 11, | 5.4 | 10 |
| 140 | Nanotoxicology and nanomedicine: The Yin and Yang of nano-bio interactions for the new decade. *Nano Today*, **2021**, 39, 101184 | 17.9 | 16 |
| 139 | Thiourea Organocatalysts as Emerging Chiral Pollutants: En Route to Porphyrin-Based (Chir)Optical Sensing. *Chemosensors*, **2021**, 9, 278 | 4 | 1 |
| 138 | Evaluation of the potential toxicity of UV-weathered virgin polyamide microplastics to non-biting midge Chironomus riparius. *Environmental Pollution*, **2021**, 287, 117334 | 9.3 | 6 |
| 137 | Sample preparation considerations for surface and crystalline properties and ecotoxicity of bare and silica-coated magnetite nanoparticles.. *RSC Advances*, **2021**, 11, 32227-32235 | 3.7 | 1 |
| 136 | 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. *Catalysts*, **2020**, 10, 1011 | 4 | 3 |
| 135 | Effects of Humic Acids on the Ecotoxicity of FeO Nanoparticles and Fe-Ions: Impact of Oxidation and Aging. *Nanomaterials*, **2020**, 10, | 5.4 | 4 |
| 134 | Selection of resistance by antimicrobial coatings in the healthcare setting. *Journal of Hospital Infection*, **2020**, 106, 115-125 | 6.9 | 25 |
| 133 | Ingestion and effects of virgin polyamide microplastics on Chironomus riparius adult larvae and adult zebrafish Danio rerio. *Chemosphere*, **2020**, 259, 127456 | 8.4 | 19 |
| 132 | Potential Hazard of Lanthanides and Lanthanide-Based Nanoparticles to Aquatic Ecosystems: Data Gaps, Challenges and Future Research Needs Derived from Bibliometric Analysis. *Nanomaterials*, **2020**, 10, | 5.4 | 23 |

| | | | |
|---|---|---|---|
| 131 | Stability and toxicity of differently coated selenium nanoparticles under model environmental exposure settings. *Chemosphere*, **2020**, 250, 126265 | 8.4 | 13 |
| 130 | Surface carboxylation or PEGylation decreases CuO nanoparticlesTcytotoxicity to human cells in vitro without compromising their antibacterial properties. *Archives of Toxicology*, **2020**, 94, 1561-1573 | 5.8 | 5 |
| 129 | Hazard evaluation of polystyrene nanoplastic with nine bioassays did not show particle-specific acute toxicity. *Science of the Total Environment*, **2020**, 707, 136073 | 10.2 | 52 |
| 128 | Evaluation of the hazard of irregularly-shaped co-polyamide microplastics on the freshwater non-biting midge Chironomus riparius through its life cycle. *Chemosphere*, **2020**, 244, 125487 | 8.4 | 24 |
| 127 | Impact of surface functionalization on the toxicity and antimicrobial effects of selenium nanoparticles considering different routes of entry. *Food and Chemical Toxicology*, **2020**, 144, 111621 | 4.7 | 12 |
| 126 | Selective antibiofilm properties and biocompatibility of nano-ZnO and nano-ZnO/Ag coated surfaces. *Scientific Reports*, **2020**, 10, 13478 | 4.9 | 15 |
| 125 | Antimicrobial coating innovations to prevent infectious disease: a consensus view from the AMiCl COST Action. *Journal of Hospital Infection*, **2020**, 105, 116-118 | 6.9 | 6 |
| 124 | Potential ecotoxicological effects of antimicrobial surface coatings: a literature survey backed up by analysis of market reports. *PeerJ*, **2019**, 7, e6315 | 3.1 | 16 |
| 123 | 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. *Ecotoxicology and Environmental Safety*, **2019**, 172, 556-565 | 7 | 28 |
| 122 | Environmental safety data on CuO and TiO nanoparticles for multiple algal species in natural water: Filling the data gaps for risk assessment. *Science of the Total Environment*, **2019**, 647, 973-980 | 10.2 | 31 |
| 121 | Assessment of the hazard of nine (doped) lanthanides-based ceramic oxides to four aquatic species. *Science of the Total Environment*, **2018**, 612, 1171-1176 | 10.2 | 15 |
| 120 | Ligand-Doped Copper Oxo-hydroxide Nanoparticles are Effective Antimicrobials. *Nanoscale Research Letters*, **2018**, 13, 111 | 5 | 4 |
| 119 | UVA-induced antimicrobial activity of ZnO/Ag nanocomposite covered surfaces. *Colloids and Surfaces B: Biointerfaces*, **2018**, 169, 222-232 | 6 | 24 |
| 118 | Antimicrobial potency of differently coated 10 and 50 nm silver nanoparticles against clinically relevant bacteria Escherichia coli and Staphylococcus aureus. *Colloids and Surfaces B: Biointerfaces*, **2018**, 170, 401-410 | 6 | 41 |
| 117 | Combined Effects of Test Media and Dietary Algae on the Toxicity of CuO and ZnO Nanoparticles to Freshwater Microcrustaceans and : Food for Thought. *Nanomaterials*, **2018**, 9, | 5.4 | 13 |
| 116 | Plasma membrane is the target of rapid antibacterial action of silver nanoparticles in and. *International Journal of Nanomedicine*, **2018**, 13, 6779-6790 | 7.3 | 56 |
| 115 | Rapid in situ assessment of Cu-ion mediated effects and antibacterial efficacy of copper surfaces. *Scientific Reports*, **2018**, 8, 8172 | 4.9 | 33 |
| 114 | Evaluation of the potential hazard of lanthanides to freshwater microcrustaceans. *Science of the Total Environment*, **2018**, 642, 1100-1107 | 10.2 | 36 |

| | | | |
|---|---|---|---|
| 113 | Effects of carbon and silicon nanotubes and carbon nanofibers on marine microalgae Heterosigma akashiwo. *Environmental Research*, **2018**, 166, 473-480 | 7.9 | 23 |
| 112 | Ecotoxicity of nanosized magnetite to crustacean Daphnia magna and duckweed Lemna minor. *Hydrobiologia*, **2017**, 798, 141-149 | 2.4 | 20 |
| 111 | Atomic layer deposition of titanium oxide films on As-synthesized magnetic Ni particles: Magnetic and safety properties. *Journal of Magnetism and Magnetic Materials*, **2017**, 429, 299-304 | 2.8 | 7 |
| 110 | An Integrated Data-Driven Strategy for Safe-by-Design Nanoparticles: The FP7 MODERN Project. *Advances in Experimental Medicine and Biology*, **2017**, 947, 257-301 | 3.6 | 5 |
| 109 | Anti-microbial coating innovations to prevent infectious diseases (AMiCI): Cost action ca15114. *Bioengineered*, **2017**, 8, 679-685 | 5.7 | 12 |
| 108 | Exposure to sublethal concentrations of CoO and MnO nanoparticles induced elevated metal body burden in Daphnia magna. *Aquatic Toxicology*, **2017**, 189, 123-133 | 5.1 | 16 |
| 107 | Antimicrobial Activity of Polyoxometalate Ionic Liquids against Clinically Relevant Pathogens. *ChemPlusChem*, **2017**, 82, 867-871 | 2.8 | 27 |
| 106 | Potency of (doped) rare earth oxide particles and their constituent metals to inhibit algal growth and induce direct toxic effects. *Science of the Total Environment*, **2017**, 593-594, 478-486 | 10.2 | 29 |
| 105 | Mechanisms of toxic action of silver nanoparticles in the protozoan Tetrahymena thermophila: From gene expression to phenotypic events. *Environmental Pollution*, **2017**, 225, 481-489 | 9.3 | 29 |
| 104 | Pan-European inter-laboratory studies on a panel of in vitro cytotoxicity and pro-inflammation assays for nanoparticles. *Archives of Toxicology*, **2017**, 91, 2315-2330 | 5.8 | 25 |
| 103 | Evaluation of the effect of test medium on total Cu body burden of nano CuO-exposed Daphnia magna: A TXRF spectroscopy study. *Environmental Pollution*, **2017**, 231, 1488-1496 | 9.3 | 7 |
| 102 | Interacting environmental and chemical stresses under global change in temperate aquatic ecosystems: stress responses, adaptation, and scaling. *Regional Environmental Change*, **2017**, 17, 2061-2077 | 4.3 | 16 |
| 101 | Environmental feedbacks in temperate aquatic ecosystems under global change: why do we need to consider chemical stressors?. *Regional Environmental Change*, **2017**, 17, 2079-2096 | 4.3 | 7 |
| 100 | Antimicrobial activity of polyoxometalate ionic liquids (POM-ILs) against clinically relevant pathogens. *Toxicology Letters*, **2017**, 280, S193 | 4.4 | 2 |
| 99 | Toxicity of Nine (Doped) Rare Earth Metal Oxides and Respective Individual Metals to Aquatic Microorganisms Vibrio fischeri and Tetrahymena thermophila. *Materials*, **2017**, 10, | 3.5 | 33 |
| 98 | Proactive Approach for Safe Use of Antimicrobial Coatings in Healthcare Settings: Opinion of the COST Action Network AMiCI. *International Journal of Environmental Research and Public Health*, **2017**, 14, | 4.6 | 42 |
| 97 | Bacterial polysaccharide levan as stabilizing, non-toxic and functional coating material for microelement-nanoparticles. *Carbohydrate Polymers*, **2016**, 136, 710-20 | 10.3 | 44 |
| 96 | Toxicity of antimony, copper, cobalt, manganese, titanium and zinc oxide nanoparticles for the alveolar and intestinal epithelial barrier cells in vitro. *Cytotechnology*, **2016**, 68, 2363-2377 | 2.2 | 27 |

| | | | |
|---|---|---|---|
| 95 | Multilaboratory evaluation of 15 bioassays for (eco)toxicity screening and hazard ranking of engineered nanomaterials: FP7 project NANOVALID. *Nanotoxicology*, **2016**, 10, 1229-42 | 5.3 | 59 |
| 94 | Toxicity of Water Accommodated Fractions of Estonian Shale Fuel Oils to Aquatic Organisms. *Archives of Environmental Contamination and Toxicology*, **2016**, 70, 383-91 | 3.2 | 4 |
| 93 | Profiling of the toxicity mechanisms of coated and uncoated silver nanoparticles to yeast Saccharomyces cerevisiae BY4741 using a set of its 9 single-gene deletion mutants defective in oxidative stress response, cell wall or membrane integrity and endocytosis. *Toxicology in Vitro*, **2016**, 35, 149-62 | 3.6 | 16 |
| 92 | A case study to optimise and validate the brine shrimp Artemia franciscana immobilisation assay with silver nanoparticles: The role of harmonisation. *Environmental Pollution*, **2016**, 213, 173-183 | 9.3 | 26 |
| 91 | An interlaboratory comparison of nanosilver characterisation and hazard identification: Harmonising techniques for high quality data. *Environment International*, **2016**, 87, 20-32 | 12.9 | 38 |
| 90 | Solubility-driven toxicity of CuO nanoparticles to Caco2 cells and Escherichia coli: Effect of sonication energy and test environment. *Toxicology in Vitro*, **2016**, 36, 172-179 | 3.6 | 17 |
| 89 | Toxicity of 12 metal-based nanoparticles to algae, bacteria and protozoa. *Environmental Science: Nano*, **2015**, 2, 630-644 | 7.1 | 144 |
| 88 | Photocatalytic antibacterial activity of nano-TiO2 (anatase)-based thin films: effects on Escherichia coli cells and fatty acids. *Journal of Photochemistry and Photobiology B: Biology*, **2015**, 142, 178-85 | 6.7 | 151 |
| 87 | NanoE-Tox: New and in-depth database concerning ecotoxicity of nanomaterials. *Beilstein Journal of Nanotechnology*, **2015**, 6, 1788-804 | 3 | 93 |
| 86 | Toxicity of 11 Metal Oxide Nanoparticles to Three Mammalian Cell Types In Vitro. *Current Topics in Medicinal Chemistry*, **2015**, 15, 1914-29 | 3 | 151 |
| 85 | A novel method for comparison of biocidal properties of nanomaterials to bacteria, yeasts and algae. *Journal of Hazardous Materials*, **2015**, 286, 75-84 | 12.8 | 66 |
| 84 | Mechanisms of toxic action of Ag, ZnO and CuO nanoparticles to selected ecotoxicological test organisms and mammalian cells in vitro: a comparative review. *Nanotoxicology*, **2014**, 8 Suppl 1, 57-71 | 5.3 | 247 |
| 83 | Potential of hyperspectral imaging microscopy for semi-quantitative analysis of nanoparticle uptake by protozoa. *Environmental Science & Technology*, **2014**, 48, 8760-7 | 10.3 | 73 |
| 82 | Charge and size-dependent toxicity of silver nanoparticles to yeast cells. *Toxicology Letters*, **2014**, 229, S194-S195 | 4.4 | 3 |
| 81 | Environmental effects of soil contamination by shale fuel oils. *Environmental Science and Pollution Research*, **2014**, 21, 11320-30 | 5.1 | 7 |
| 80 | Size-dependent toxicity of silver nanoparticles to bacteria, yeast, algae, crustaceans and mammalian cells in vitro. *PLoS ONE*, **2014**, 9, e102108 | 3.7 | 388 |
| 79 | Illuminating nano-bio interactions: A spectroscopic perspective. *MRS Bulletin*, **2014**, 39, 990-995 | 3.2 | 3 |
| 78 | Uptake, localization and clearance of quantum dots in ciliated protozoa Tetrahymena thermophila. *Environmental Pollution*, **2014**, 190, 58-64 | 9.3 | 28 |

| | | | |
|---|---|---|---|
| 77 | Measurement of baseline toxicity and QSAR analysis of 50 non-polar and 58 polar narcotic chemicals for the alga Pseudokirchneriella subcapitata. *Chemosphere*, **2014**, 96, 23-32 | 8.4 | 50 |
| 76 | Ecotoxicological effects of different glyphosate formulations. *Applied Soil Ecology*, **2013**, 72, 215-224 | 5 | 50 |
| 75 | Interaction of firefly luciferase and silver nanoparticles and its impact on enzyme activity. *Nanotechnology*, **2013**, 24, 345101 | 3.4 | 37 |
| 74 | Extracellular conversion of silver ions into silver nanoparticles by protozoan Tetrahymena thermophila. *Environmental Sciences: Processes and Impacts*, **2013**, 15, 244-50 | 4.3 | 23 |
| 73 | Toxicity of CuO nanoparticles to yeast Saccharomyces cerevisiae BY4741 wild-type and its nine isogenic single-gene deletion mutants. *Chemical Research in Toxicology*, **2013**, 26, 356-67 | 4 | 61 |
| 72 | Mapping the dawn of nanoecotoxicological research. *Accounts of Chemical Research*, **2013**, 46, 823-33 | 24.3 | 126 |
| 71 | Toxicity of two types of silver nanoparticles to aquatic crustaceans Daphnia magna and Thamnocephalus platyurus. *Environmental Science and Pollution Research*, **2013**, 20, 3456-63 | 5.1 | 96 |
| 70 | Toxicity of Ag, CuO and ZnO nanoparticles to selected environmentally relevant test organisms and mammalian cells in vitro: a critical review. *Archives of Toxicology*, **2013**, 87, 1181-200 | 5.8 | 827 |
| 69 | Interactions of PLA2-s from Vipera lebetina, Vipera berus berus and Naja naja oxiana venom with platelets, bacterial and cancer cells. *Toxins*, **2013**, 5, 203-23 | 4.9 | 19 |
| 68 | Dissolution of silver nanowires and nanospheres dictates their toxicity to Escherichia coli. *BioMed Research International*, **2013**, 2013, 819252 | 3 | 32 |
| 67 | Particle-cell contact enhances antibacterial activity of silver nanoparticles. *PLoS ONE*, **2013**, 8, e64060 | 3.7 | 175 |
| 66 | Sub-toxic effects of CuO nanoparticles on bacteria: kinetics, role of Cu ions and possible mechanisms of action. *Environmental Pollution*, **2012**, 169, 81-9 | 9.3 | 157 |
| 65 | Upon exposure to Cu nanoparticles, accumulation of copper in the isopod Porcellio scaber is due to the dissolved Cu ions inside the digestive tract. *Environmental Science & Technology*, **2012**, 46, 12112-9 | 10.3 | 40 |
| 64 | Environmental hazard of oil shale combustion fly ash. *Journal of Hazardous Materials*, **2012**, 229-230, 192-200 | 12.8 | 25 |
| 63 | Metal-Containing Nano-Antimicrobials: Differentiating the Impact of Solubilized Metals and Particles **2012**, 253-290 | | 17 |
| 62 | IMPACT OF OIL SHALE OPENCAST MINING AND COMBUSTION ON NARVA RIVER AND ITS TRIBUTARIES: CHEMICAL AND ECOTOXICOLOGICAL CHARACTERISATION. *Oil Shale*, **2012**, 29, 173 | 1.2 | 1 |
| 61 | Exposure to CuO nanoparticles changes the fatty acid composition of protozoa Tetrahymena thermophila. *Environmental Science & Technology*, **2011**, 45, 6617-24 | 10.3 | 84 |
| 60 | LuxCDABE--transformed constitutively bioluminescent Escherichia coli for toxicity screening: comparison with naturally luminous Vibrio fischeri. *Sensors*, **2011**, 11, 7865-78 | 3.8 | 43 |

| | | | |
|---|---|---|---|
| 59 | Changes in the Daphnia magna midgut upon ingestion of copper oxide nanoparticles: a transmission electron microscopy study. *Water Research*, **2011**, 45, 179-90 | 12.5 | 135 |
| 58 | Toxicity of 58 substituted anilines and phenols to algae Pseudokirchneriella subcapitata and bacteria Vibrio fischeri: comparison with published data and QSARs. *Chemosphere*, **2011**, 84, 1310-20 | 8.4 | 133 |
| 57 | Bioavailability of Cd in 110 polluted topsoils to recombinant bioluminescent sensor bacteria: effect of soil particulate matter. *Journal of Soils and Sediments*, **2011**, 11, 231-237 | 3.4 | 27 |
| 56 | The effect of composition of different ecotoxicological test media on free and bioavailable copper from CuSO4 and CuO nanoparticles: comparative evidence from a Cu-selective electrode and a Cu-biosensor. *Sensors*, **2011**, 11, 10502-21 | 3.8 | 43 |
| 55 | E-SovTox: An online database of the main publicly-available sources of toxicity data concerning REACH-relevant chemicals published in the Russian language. *ATLA Alternatives To Laboratory Animals*, **2010**, 38, 297-301 | 2.1 | 1 |
| 54 | Toxicity of five anilines to crustaceans, protozoa and bacteria. *Journal of the Serbian Chemical Society*, **2010**, 75, 1291-1302 | 0.9 | 24 |
| 53 | Profiling of the reactive oxygen species-related ecotoxicity of CuO, ZnO, TiO2, silver and fullerene nanoparticles using a set of recombinant luminescent Escherichia coli strains: differentiating the impact of particles and solubilised metals. *Analytical and Bioanalytical Chemistry*, **2010**, 398, 701-16 | 4.4 | 150 |
| 52 | Effects of rhamnolipids from Pseudomonas aeruginosa DS10-129 on luminescent bacteria: toxicity and modulation of cadmium bioavailability. *Microbial Ecology*, **2010**, 59, 588-600 | 4.4 | 32 |
| 51 | Toxicity of ZnO and CuO nanoparticles to ciliated protozoa Tetrahymena thermophila. *Toxicology*, **2010**, 269, 182-9 | 4.4 | 271 |
| 50 | Ecotoxicity of nanoparticles of CuO and ZnO in natural water. *Environmental Pollution*, **2010**, 158, 41-7 | 9.3 | 343 |
| 49 | From ecotoxicology to nanoecotoxicology. *Toxicology*, **2010**, 269, 105-19 | 4.4 | 602 |
| 48 | Toxicity of nanoparticles of CuO, ZnO and TiO2 to microalgae Pseudokirchneriella subcapitata. *Science of the Total Environment*, **2009**, 407, 1461-8 | 10.2 | 956 |
| 47 | Toxicological information on chemicals published in the Russian language: Contribution to REACH and 3Rs. *Toxicology*, **2009**, 262, 27-37 | 4.4 | 3 |
| 46 | A suite of recombinant luminescent bacterial strains for the quantification of bioavailable heavy metals and toxicity testing. *BMC Biotechnology*, **2009**, 9, 41 | 3.5 | 143 |
| 45 | Toxicity of nanoparticles of ZnO, CuO and TiO2 to yeast Saccharomyces cerevisiae. *Toxicology in Vitro*, **2009**, 23, 1116-22 | 3.6 | 464 |
| 44 | High throughput kinetic Vibrio fischeri bioluminescence inhibition assay for study of toxic effects of nanoparticles. *Toxicology in Vitro*, **2008**, 22, 1412-7 | 3.6 | 130 |
| 43 | Toxicity of nanosized and bulk ZnO, CuO and TiO2 to bacteria Vibrio fischeri and crustaceans Daphnia magna and Thamnocephalus platyurus. *Chemosphere*, **2008**, 71, 1308-16 | 8.4 | 1126 |
| 42 | Bioavailability of Cd, Zn and Hg in Soil to Nine Recombinant Luminescent Metal Sensor Bacteria. *Sensors*, **2008**, 8, 6899-6923 | 3.8 | 44 |

| | | | |
|---|---|---|---|
| 41 | Biotests and Biosensors for Ecotoxicology of Metal Oxide Nanoparticles: A Minireview. *Sensors*, **2008**, 8, 5153-5170 | 3.8 | 176 |
| 40 | Rapid screening for soil ecotoxicity with a battery of luminescent bacteria tests. *ATLA Alternatives To Laboratory Animals*, **2007**, 35, 101-10 | 2.1 | 7 |
| 39 | Second Joint Conference of the Estonian Society of Toxicology and the Scandinavian Society for Cell Toxicology. *ATLA Alternatives To Laboratory Animals*, **2007**, 35, 13-14 | 2.1 | 1 |
| 38 | Fibre-optic bacterial biosensors and their application for the analysis of bioavailable Hg and As in soils and sediments from Aznalcollar mining area in Spain. *Biosensors and Bioelectronics*, **2007**, 22, 1396-402 | 11.8 | 85 |
| 37 | Study of the toxic effect of short- and medium-chain monocarboxylic acids on the growth of Saccharomyces cerevisiae using the CO2-auxo-accelerostat fermentation system. *International Journal of Food Microbiology*, **2006**, 111, 206-15 | 5.8 | 20 |
| 36 | Analysis of bioavailable phenols from natural samples by recombinant luminescent bacterial sensors. *Chemosphere*, **2006**, 64, 1910-9 | 8.4 | 56 |
| 35 | Biotests and biosensors in ecotoxicological risk assessment of field soils polluted with zinc, lead, and cadmium. *Environmental Toxicology and Chemistry*, **2005**, 24, 2973-82 | 3.8 | 52 |
| 34 | Analysis of sorption and bioavailability of different species of mercury on model soil components using XAS techniques and sensor bacteria. *Analytical and Bioanalytical Chemistry*, **2005**, 382, 1541-8 | 4.4 | 17 |
| 33 | Biotest and chemistry-based hazard assessment of soils, sediments and solid wastes. *Journal of Soils and Sediments*, **2004**, 4, 267-275 | 3.4 | 22 |
| 32 | Toxicity testing of heavy-metal-polluted soils with algae Selenastrum capricornutum: a soil suspension assay. *Environmental Toxicology*, **2004**, 19, 396-402 | 4.2 | 28 |
| 31 | Recombinant luminescent bacterial sensors for the measurement of bioavailability of cadmium and lead in soils polluted by metal smelters. *Chemosphere*, **2004**, 55, 147-56 | 8.4 | 81 |
| 30 | Ecotoxicological study of Lithuanian and Estonian wastewaters: selection of the biotests, and correspondence between toxicity and chemical-based indices. *Aquatic Toxicology*, **2003**, 63, 27-41 | 5.1 | 67 |
| 29 | The toxicity and fate of phenolic pollutants in the contaminated soils associated with the oil-shale industry. *Environmental Science and Pollution Research*, **2002**, Spec No 1, 27-33 | 5.1 | 48 |
| 28 | Construction and use of specific luminescent recombinant bacterial sensors for the assessment of bioavailable fraction of cadmium, zinc, mercury and chromium in the soil. *Soil Biology and Biochemistry*, **2002**, 34, 1439-1447 | 7.5 | 130 |
| 27 | Study of the environmental hazard caused by the oil shale industry solid waste. *ATLA Alternatives To Laboratory Animals*, **2001**, 29, 259-67 | 2.1 | 12 |
| 26 | The toxicity and biodegradability of eight main phenolic compounds characteristic to the oil-shale industry wastewaters: A test battery approach. *Environmental Toxicology*, **2000**, 15, 431-442 | 4.2 | 48 |
| 25 | Toxicological Investigation of Soils with the Solid-phase Flash Assay: Comparison with Other Ecotoxicological Tests. *ATLA Alternatives To Laboratory Animals*, **2000**, 28, 461-72 | 2.1 | 16 |
| 24 | Predicting the Toxicity of Oil-shale Industry Wastewater by its Phenolic Composition. *ATLA Alternatives To Laboratory Animals*, **1999**, 27, 359-66 | 2.1 | 17 |

| | | | |
|---|---|---|---|
| 23 | Joint Congress of the Scandinavian Society of Cell Toxicology and the Estonian Society of Toxicology. *ATLA Alternatives To Laboratory Animals*, **1999**, 27, 323-324 | 2.1 | 2 |
| 22 | Laboratory study of bioremediation of rocket fuel-polluted groundwater. *Water Research*, **1999**, 33, 1303-1313 | 2.1 | 39 |
| 21 | The efficiency of different phenol-degrading bacteria and activated sludges in detoxification of phenolic leachates. *Chemosphere*, **1998**, 37, 301-18 | 8.4 | 14 |
| 20 | MEIC Evaluation of Acute Systemic Toxicity: Part VI. The Prediction of Human Toxicity by Rodent LD50 Values and Results from 61 In Vitro Methods. *ATLA Alternatives To Laboratory Animals*, **1998**, 26, 617-658 | 2.1 | 94 |
| 19 | MEIC Evaluation of Acute Systemic Toxicity: Part III. In Vitro Results from 16 Additional Methods Used to Test the First 30 Reference Chemicals and a Comparative Cytotoxicity Analysis. *ATLA Alternatives To Laboratory Animals*, **1998**, 26, 93-129 | 2.1 | 42 |
| 18 | MEIC Evaluation of Acute Systemic Toxicity: Part IV In Vitro Results from 67 Toxicity Assays Used to Test Reference Chemicals 3150 and a Comparative Cytotoxicity Analysis. *ATLA Alternatives To Laboratory Animals*, **1998**, 26, 131-183 | 2.1 | 44 |
| 17 | The growth rate control in Escherichia coli at near to maximum growth rates: the A-stat approach. *Antonie Van Leeuwenhoek*, **1997**, 71, 217-30 | 2.1 | 41 |
| 16 | Study of the photochemical and phototoxic properties of lonidamine [1-(2,4-dichlorobenzyl)-1H-indazol-3-carboxylic acid]. *Journal of Photochemistry and Photobiology B: Biology*, **1997**, 41, 11-21 | 6.7 | 2 |
| 15 | Toxicity of phenolic wastewater to luminescent bacteria and activated sludges. *Water Science and Technology*, **1996**, 33, 139 | 2.2 | 14 |
| 14 | Study of toxicity of pesticides using luminescent bacteria. *Water Science and Technology*, **1996**, 33, 147 | 2.2 | 22 |
| 13 | MEIC Evaluation of Acute Systemic Toxicity: Part I. Methodology of 68 In Vitro Toxicity Assays Used to Test the First 30 Reference Chemicals. *ATLA Alternatives To Laboratory Animals*, **1996**, 24, 251-272 | 2.1 | 48 |
| 12 | MEIC Evaluation of Acute Systemic Toxicity: Part II. In Vitro Results from 68 Toxicity Assays Used to Test the First 30 Reference Chemicals and a Comparative Cytotoxicity Analysis. *ATLA Alternatives To Laboratory Animals*, **1996**, 24, 273-311 | 2.1 | 85 |
| 11 | The computer-controlled continuous culture of Escherichia coli with smooth change of dilution rate (A-stat). *Journal of Microbiological Methods*, **1995**, 24, 145-153 | 2.8 | 55 |
| 10 | Toxicity of 39 MEIC Chemicals to Bioluminescent Photobacteria (The Biotox Test): Correlation with Other Test Systems. *ATLA Alternatives To Laboratory Animals*, **1994**, 22, 147-160 | 2.1 | 18 |
| 9 | In Vitro Toxicity Testing Using Marine Luminescent Bacteria (Photobacterium phosphoreum): the Biotox Test. *ATLA Alternatives To Laboratory Animals*, **1993**, 21, 210-215 | 2.1 | 28 |
| 8 | Application of the Ames Genotoxicity Assay and the Bioluminescent Toxicity Assay in the Testing of Urine Samples. *ATLA Alternatives To Laboratory Animals*, **1993**, 21, 225-232 | 2.1 | 4 |
| 7 | Glucose-limited fed-batch cultivation of Escherichia coli with computer-controlled fixed growth rate. *Biotechnology and Bioengineering*, **1990**, 35, 312-9 | 4.9 | 81 |
| 6 | Use of the luciferin-luciferase assay of ATP for measuring the bacterial growth: Application to Escherichia coli. *Acta Biotechnologica*, **1988**, 8, 93-98 | | 3 |

| | | | |
|---|---|---|---|
| 5 | Effect of temperature on the ATP pool and adenylate energy charge in Escherichia coli. *FEMS Microbiology Letters*, **1987**, 41, 305-308 | 2.9 | 1 |
| 4 | On characterization of the growth of Escherichia coli in batch culture. *Archives of Microbiology*, **1983**, 135, 12-5 | 3 | 9 |
| 3 | Adenylate energy charge during batch culture of Thermoactinomyces vulgaris 42. *Archives of Microbiology*, **1982**, 133, 142-144 | 3 | 15 |
| 2 | Bacterial plasma membrane is the main cellular target of silver nanoparticles in Escherichia coli and Pseudomonas aeruginosa | | 4 |
| 1 | Virgin and UV-weathered polyamide microplastics posed no effect on the survival and reproduction of Daphnia magna. *PeerJ*,10, e13533 | 3.1 | 0 |