Anne Kahru

List of Publications by Citations

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	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
147	Toxicity of nanoparticles of CuO, ZnO and TiO2 to microalgae Pseudokirchneriella subcapitata. *Science of the Total Environment*, **2009**, 407, 1461-8	10.2	956
146	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
145	From ecotoxicology to nanoecotoxicology. *Toxicology*, **2010**, 269, 105-19	4.4	602
144	Toxicity of nanoparticles of ZnO, CuO and TiO2 to yeast Saccharomyces cerevisiae. *Toxicology in Vitro*, **2009**, 23, 1116-22	3.6	464
143	Size-dependent toxicity of silver nanoparticles to bacteria, yeast, algae, crustaceans and mammalian cells in vitro. *PLoS ONE*, **2014**, 9, e102108	3.7	388
142	Ecotoxicity of nanoparticles of CuO and ZnO in natural water. *Environmental Pollution*, **2010**, 158, 41-7	9.3	343
141	Toxicity of ZnO and CuO nanoparticles to ciliated protozoa Tetrahymena thermophila. *Toxicology*, **2010**, 269, 182-9	4.4	271
140	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
139	Biotests and Biosensors for Ecotoxicology of Metal Oxide Nanoparticles: A Minireview. *Sensors*, **2008**, 8, 5153-5170	3.8	176
138	Particle-cell contact enhances antibacterial activity of silver nanoparticles. *PLoS ONE*, **2013**, 8, e64060	3.7	175
137	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
136	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
135	Toxicity of 11 Metal Oxide Nanoparticles to Three Mammalian Cell Types In Vitro. *Current Topics in Medicinal Chemistry*, **2015**, 15, 1914-29	3	151
134	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
133	Toxicity of 12 metal-based nanoparticles to algae, bacteria and protozoa. *Environmental Science: Nano*, **2015**, 2, 630-644	7.1	144
132	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

131	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
130	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
129	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
128	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
127	Mapping the dawn of nanoecotoxicological research. *Accounts of Chemical Research*, **2013**, 46, 823-33	24.3	126
126	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
125	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
124	NanoE-Tox: New and in-depth database concerning ecotoxicity of nanomaterials. *Beilstein Journal of Nanotechnology*, **2015**, 6, 1788-804	3	93
123	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
122	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
121	Exposure to CuO nanoparticles changes the fatty acid composition of protozoa Tetrahymena thermophila. *Environmental Science & Technology*, **2011**, 45, 6617-24	10.3	84
120	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
119	Glucose-limited fed-batch cultivation of Escherichia coli with computer-controlled fixed growth rate. *Biotechnology and Bioengineering*, **1990**, 35, 312-9	4.9	81
118	Potential of hyperspectral imaging microscopy for semi-quantitative analysis of nanoparticle uptake by protozoa. *Environmental Science & Technology*, **2014**, 48, 8760-7	10.3	73
117	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
116	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
115	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
114	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

113	Analysis of bioavailable phenols from natural samples by recombinant luminescent bacterial sensors. *Chemosphere*, **2006**, 64, 1910-9	8.4	56
112	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
111	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
110	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
109	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
108	Ecotoxicological effects of different glyphosate formulations. *Applied Soil Ecology*, **2013**, 72, 215-224	5	50
107	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
106	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
105	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
104	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
103	Bacterial polysaccharide levan as stabilizing, non-toxic and functional coating material for microelement-nanoparticles. *Carbohydrate Polymers*, **2016**, 136, 710-20	10.3	44
102	Bioavailability of Cd, Zn and Hg in Soil to Nine Recombinant Luminescent Metal Sensor Bacteria. *Sensors*, **2008**, 8, 6899-6923	3.8	44
101	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
100	LuxCDABE--transformed constitutively bioluminescent Escherichia coli for toxicity screening: comparison with naturally luminous Vibrio fischeri. *Sensors*, **2011**, 11, 7865-78	3.8	43
99	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
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	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
96	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

95	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
94	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
93	An interlaboratory comparison of nanosilver characterisation and hazard identification: Harmonising techniques for high quality data. *Environment International*, **2016**, 87, 20-32	12.9	38
92	Interaction of firefly luciferase and silver nanoparticles and its impact on enzyme activity. *Nanotechnology*, **2013**, 24, 345101	3.4	37
91	Evaluation of the potential hazard of lanthanides to freshwater microcrustaceans. *Science of the Total Environment*, **2018**, 642, 1100-1107	10.2	36
90	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
89	Rapid in situ assessment of Cu-ion mediated effects and antibacterial efficacy of copper surfaces. *Scientific Reports*, **2018**, 8, 8172	4.9	33
88	Dissolution of silver nanowires and nanospheres dictates their toxicity to Escherichia coli. *BioMed Research International*, **2013**, 2013, 819252	3	32
87	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
86	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
85	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
84	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
83	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
82	Uptake, localization and clearance of quantum dots in ciliated protozoa Tetrahymena thermophila. *Environmental Pollution*, **2014**, 190, 58-64	9.3	28
81	Toxicity testing of heavy-metal-polluted soils with algae Selenastrum capricornutum: a soil suspension assay. *Environmental Toxicology*, **2004**, 19, 396-402	4.2	28
80	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
79	Antimicrobial Activity of Polyoxometalate Ionic Liquids against Clinically Relevant Pathogens. *ChemPlusChem*, **2017**, 82, 867-871	2.8	27
78	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

77	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
76	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
75	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
74	Selection of resistance by antimicrobial coatings in the healthcare setting. *Journal of Hospital Infection*, **2020**, 106, 115-125	6.9	25
73	Environmental hazard of oil shale combustion fly ash. *Journal of Hazardous Materials*, **2012**, 229-230, 192-200	12.8	25
72	UVA-induced antimicrobial activity of ZnO/Ag nanocomposite covered surfaces. *Colloids and Surfaces B: Biointerfaces*, **2018**, 169, 222-232	6	24
71	Toxicity of five anilines to crustaceans, protozoa and bacteria. *Journal of the Serbian Chemical Society*, **2010**, 75, 1291-1302	0.9	24
70	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
69	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
68	Extracellular conversion of silver ions into silver nanoparticles by protozoan Tetrahymena thermophila. *Environmental Sciences: Processes and Impacts*, **2013**, 15, 244-50	4.3	23
67	Effects of carbon and silicon nanotubes and carbon nanofibers on marine microalgae Heterosigma akashiwo. *Environmental Research*, **2018**, 166, 473-480	7.9	23
66	Biotest and chemistry-based hazard assessment of soils, sediments and solid wastes. *Journal of Soils and Sediments*, **2004**, 4, 267-275	3.4	22
65	Study of toxicity of pesticides using luminescent bacteria. *Water Science and Technology*, **1996**, 33, 147	2.2	22
64	Ecotoxicity of nanosized magnetite to crustacean Daphnia magna and duckweed Lemna minor. *Hydrobiologia*, **2017**, 798, 141-149	2.4	20
63	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
62	Ingestion and effects of virgin polyamide microplastics on Chironomus riparius adult larvae and adult zebrafish Danio rerio. *Chemosphere*, **2020**, 259, 127456	8.4	19
61	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
60	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

59	Metal-Containing Nano-Antimicrobials: Differentiating the Impact of Solubilized Metals and Particles **2012**, 253-290		17
58	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
57	Predicting the Toxicity of Oil-shale Industry Wastewater by its Phenolic Composition. *ATLA Alternatives To Laboratory Animals*, **1999**, 27, 359-66	2.1	17
56	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
55	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
54	Potential ecotoxicological effects of antimicrobial surface coatings: a literature survey backed up by analysis of market reports. *PeerJ*, **2019**, 7, e6315	3.1	16
53	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
52	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
51	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
50	Nanotoxicology and nanomedicine: The Yin and Yang of nano-bio interactions for the new decade. *Nano Today*, **2021**, 39, 101184	17.9	16
49	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
48	Adenylate energy charge during batch culture of Thermoactinomyces vulgaris 42. *Archives of Microbiology*, **1982**, 133, 142-144	3	15
47	Selective antibiofilm properties and biocompatibility of nano-ZnO and nano-ZnO/Ag coated surfaces. *Scientific Reports*, **2020**, 10, 13478	4.9	15
46	The efficiency of different phenol-degrading bacteria and activated sludges in detoxification of phenolic leachates. *Chemosphere*, **1998**, 37, 301-18	8.4	14
45	Toxicity of phenolic wastewater to luminescent bacteria and activated sludges. *Water Science and Technology*, **1996**, 33, 139	2.2	14
44	Stability and toxicity of differently coated selenium nanoparticles under model environmental exposure settings. *Chemosphere*, **2020**, 250, 126265	8.4	13
43	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
42	Anti-microbial coating innovations to prevent infectious diseases (AMiCI): Cost action ca15114. *Bioengineered*, **2017**, 8, 679-685	5.7	12

41	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
40	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
39	Antibacterial Activity of Positively and Negatively Charged Hematite (-FeO) Nanoparticles to , and. *Nanomaterials*, **2021**, 11,	5.4	10
38	Laboratory study of bioremediation of rocket fuel-polluted groundwater. *Water Research*, **1999**, 33, 1303-1313	12.5	9
37	On characterization of the growth of Escherichia coli in batch culture. *Archives of Microbiology*, **1983**, 135, 12-5	3	9
36	Techniques Used for Analyzing Microplastics, Antimicrobial Resistance and Microbial Community Composition: A Mini-Review. *Frontiers in Microbiology*, **2021**, 12, 603967	5.7	8
35	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
34	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
33	Environmental effects of soil contamination by shale fuel oils. *Environmental Science and Pollution Research*, **2014**, 21, 11320-30	5.1	7
32	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
31	Rapid screening for soil ecotoxicity with a battery of luminescent bacteria tests. *ATLA Alternatives To Laboratory Animals*, **2007**, 35, 101-10	2.1	7
30	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
29	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
28	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
27	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
26	Effects of Humic Acids on the Ecotoxicity of FeO Nanoparticles and Fe-Ions: Impact of Oxidation and Aging. *Nanomaterials*, **2020**, 10,	5.4	4
25	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
24	Ligand-Doped Copper Oxo-hydroxide Nanoparticles are Effective Antimicrobials. *Nanoscale Research Letters*, **2018**, 13, 111	5	4

23	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
22	Bacterial plasma membrane is the main cellular target of silver nanoparticles in Escherichia coli and Pseudomonas aeruginosa		4
21	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
20	Charge and size-dependent toxicity of silver nanoparticles to yeast cells. *Toxicology Letters*, **2014**, 229, S194-S195	4.4	3
19	Illuminating nano-bio interactions: A spectroscopic perspective. *MRS Bulletin*, **2014**, 39, 990-995	3.2	3
18	Toxicological information on chemicals published in the Russian language: Contribution to REACH and 3Rs. *Toxicology*, **2009**, 262, 27-37	4.4	3
17	Use of the luciferin-luciferase assay of ATP for measuring the bacterial growth: Application to Escherichia coli. *Acta Biotechnologica*, **1988**, 8, 93-98		3
16	Antimicrobial activity of polyoxometalate ionic liquids (POM-ILs) against clinically relevant pathogens. *Toxicology Letters*, **2017**, 280, S193	4.4	2
15	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
14	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
13	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
12	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
11	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
10	Effect of temperature on the ATP pool and adenylate energy charge in Escherichia coli. *FEMS Microbiology Letters*, **1987**, 41, 305-308	2.9	1
9	Concentration of lanthanides in the Estonian environment: a screening study. *Journal of Hazardous Materials Advances*, **2021**, 4, 100034		1
8	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
7	Thiourea Organocatalysts as Emerging Chiral Pollutants: En Route to Porphyrin-Based (Chir)Optical Sensing. *Chemosensors*, **2021**, 9, 278	4	1
6	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

5	Long-Term Toxicity of Gadolinium to the Freshwater Crustacean Daphnia magna. *Bulletin of Environmental Contamination and Toxicology*, **2021**, 1	2.7	0
4	Biodiversity and functional trait effects on copper toxicity in a proof-of-concept multispecies microalgal assay. *Algal Research*, **2021**, 55, 102204	5	0
3	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
2	Virgin and UV-weathered polyamide microplastics posed no effect on the survival and reproduction of Daphnia magna. *PeerJ*,10, e13533	3.1	0
1	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		