

# Kaja Kasemets

## List of Publications by Citations

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35  
papers

4,308  
citations

21  
h-index

47  
g-index

47  
ext. papers

4,754  
ext. citations

5.7  
avg, IF

5.37  
L-index

#	Paper	IF	Citations
35	Toxicity of nanoparticles of CuO, ZnO and TiO <sub>2</sub> to microalgae <i>Pseudokirchneriella subcapitata</i> . <i>Science of the Total Environment</i> , <b>2009</b> , 407, 1461-8	10.2	956
34	Toxicity of Ag, CuO and ZnO nanoparticles to selected environmentally relevant test organisms and mammalian cells in vitro: a critical review. <i>Archives of Toxicology</i> , <b>2013</b> , 87, 1181-200	5.8	827
33	Toxicity of nanoparticles of ZnO, CuO and TiO <sub>2</sub> to yeast <i>Saccharomyces cerevisiae</i> . <i>Toxicology in Vitro</i> , <b>2009</b> , 23, 1116-22	3.6	464
32	Size-dependent toxicity of silver nanoparticles to bacteria, yeast, algae, crustaceans and mammalian cells in vitro. <i>PLoS ONE</i> , <b>2014</b> , 9, e102108	3.7	388
31	Toxicity of ZnO and CuO nanoparticles to ciliated protozoa <i>Tetrahymena thermophila</i> . <i>Toxicology</i> , <b>2010</b> , 269, 182-9	4.4	271
30	Mechanisms of toxic action of Ag, ZnO and CuO nanoparticles to selected ecotoxicological test organisms and mammalian cells in vitro: a comparative review. <i>Nanotoxicology</i> , <b>2014</b> , 8 Suppl 1, 57-71	5.3	247
29	Biotests and Biosensors for Ecotoxicology of Metal Oxide Nanoparticles: A Minireview. <i>Sensors</i> , <b>2008</b> , 8, 5153-5170	3.8	176
28	Changes in the <i>Daphnia magna</i> midgut upon ingestion of copper oxide nanoparticles: a transmission electron microscopy study. <i>Water Research</i> , <b>2011</b> , 45, 179-90	12.5	135
27	High throughput kinetic <i>Vibrio fischeri</i> bioluminescence inhibition assay for study of toxic effects of nanoparticles. <i>Toxicology in Vitro</i> , <b>2008</b> , 22, 1412-7	3.6	130
26	Exposure to CuO nanoparticles changes the fatty acid composition of protozoa <i>Tetrahymena thermophila</i> . <i>Environmental Science &amp; Technology</i> , <b>2011</b> , 45, 6617-24	10.3	84
25	A novel method for comparison of biocidal properties of nanomaterials to bacteria, yeasts and algae. <i>Journal of Hazardous Materials</i> , <b>2015</b> , 286, 75-84	12.8	66
24	Toxicity of CuO nanoparticles to yeast <i>Saccharomyces cerevisiae</i> BY4741 wild-type and its nine isogenic single-gene deletion mutants. <i>Chemical Research in Toxicology</i> , <b>2013</b> , 26, 356-67	4	61
23	Biotests and biosensors in ecotoxicological risk assessment of field soils polluted with zinc, lead, and cadmium. <i>Environmental Toxicology and Chemistry</i> , <b>2005</b> , 24, 2973-82	3.8	52
22	Hazard evaluation of polystyrene nanoplastic with nine bioassays did not show particle-specific acute toxicity. <i>Science of the Total Environment</i> , <b>2020</b> , 707, 136073	10.2	52
21	Proactive Approach for Safe Use of Antimicrobial Coatings in Healthcare Settings: Opinion of the COST Action Network AMiCI. <i>International Journal of Environmental Research and Public Health</i> , <b>2017</b> , 14,	4.6	42
20	Antimicrobial potency of differently coated 10 and 50 nm silver nanoparticles against clinically relevant bacteria <i>Escherichia coli</i> and <i>Staphylococcus aureus</i> . <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2018</b> , 170, 401-410	6	41
19	Upon exposure to Cu nanoparticles, accumulation of copper in the isopod <i>Porcellio scaber</i> is due to the dissolved Cu ions inside the digestive tract. <i>Environmental Science &amp; Technology</i> , <b>2012</b> , 46, 12112-9	10.3	40

18	Modification of A-stat for the characterization of microorganisms. <i>Journal of Microbiological Methods</i> , <b>2003</b> , 55, 187-200	2.8	34
17	Environmental hazard of oil shale combustion fly ash. <i>Journal of Hazardous Materials</i> , <b>2012</b> , 229-230, 192-200	12.8	25
16	Extracellular conversion of silver ions into silver nanoparticles by protozoan <i>Tetrahymena thermophila</i> . <i>Environmental Sciences: Processes and Impacts</i> , <b>2013</b> , 15, 244-50	4.3	23
15	Airborne Nanoparticle Release and Toxicological Risk from Metal-Oxide-Coated Textiles: Toward a Multiscale Safe-by-Design Approach. <i>Environmental Science &amp; Technology</i> , <b>2017</b> , 51, 9305-9317	10.3	23
14	Study of the toxic effect of short- and medium-chain monocarboxylic acids on the growth of <i>Saccharomyces cerevisiae</i> using the CO <sub>2</sub> -auxo-accelerostat fermentation system. <i>International Journal of Food Microbiology</i> , <b>2006</b> , 111, 206-15	5.8	20
13	Growth characteristics of <i>Saccharomyces cerevisiae</i> S288C in changing environmental conditions: auxo-accelerostat study. <i>Antonie Van Leeuwenhoek</i> , <b>2007</b> , 92, 109-28	2.1	18
12	Toxicity of differently sized and charged silver nanoparticles to yeast BY4741: a nano-biointeraction perspective. <i>Nanotoxicology</i> , <b>2019</b> , 13, 1041-1059	5.3	16
11	Profiling of the toxicity mechanisms of coated and uncoated silver nanoparticles to yeast <i>Saccharomyces cerevisiae</i> BY4741 using a set of its 9 single-gene deletion mutants defective in oxidative stress response, cell wall or membrane integrity and endocytosis. <i>Toxicology in Vitro</i> , <b>2016</b> , 35, 149-62	3.6	16
10	Selective antibiofilm properties and biocompatibility of nano-ZnO and nano-ZnO/Ag coated surfaces. <i>Scientific Reports</i> , <b>2020</b> , 10, 13478	4.9	15
9	Teratogenic hazard of BPEI-coated silver nanoparticles to <i>Xenopus laevis</i> . <i>Nanotoxicology</i> , <b>2017</b> , 11, 405-418	5.18	13
8	Stability and toxicity of differently coated selenium nanoparticles under model environmental exposure settings. <i>Chemosphere</i> , <b>2020</b> , 250, 126265	8.4	13
7	Impact of surface functionalization on the toxicity and antimicrobial effects of selenium nanoparticles considering different routes of entry. <i>Food and Chemical Toxicology</i> , <b>2020</b> , 144, 111621	4.7	12
6	Antibacterial Activity of Positively and Negatively Charged Hematite (-FeO) Nanoparticles to , and. <i>Nanomaterials</i> , <b>2021</b> , 11,	5.4	10
5	Effect of Ozone on Viability of Activated Sludge Detected by Oxygen Uptake Rate (OUR) and Adenosine-5?-triphosphate (ATP) Measurement. <i>Ozone: Science and Engineering</i> , <b>2010</b> , 32, 408-416	2.4	9
4	Atomic layer deposition of titanium oxide films on As-synthesized magnetic Ni particles: Magnetic and safety properties. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2017</b> , 429, 299-304	2.8	7
3	Rapid screening for soil ecotoxicity with a battery of luminescent bacteria tests. <i>ATLA Alternatives To Laboratory Animals</i> , <b>2007</b> , 35, 101-10	2.1	7
2	Charge and size-dependent toxicity of silver nanoparticles to yeast cells. <i>Toxicology Letters</i> , <b>2014</b> , 229, S194-S195	4.4	3
1	The Study of the Fermentative Growth of <i>Saccharomyces cerevisiae</i> S288C using Auxo-Accelerostat Technique	756-760	

