

Olesja M Bondarenko

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

32 papers	2,300 citations	21 h-index	41 g-index
41 ext. papers	2,688 ext. citations	6 avg, IF	4.85 L-index

#	Paper	IF	Citations
32	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> , 2013 , 87, 1181-200	5.8	827
31	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> , 2014 , 8 Suppl 1, 57-71	5.3	247
30	Particle-cell contact enhances antibacterial activity of silver nanoparticles. <i>PLoS ONE</i> , 2013 , 8, e64060	3.7	175
29	Sub-toxic effects of CuO nanoparticles on bacteria: kinetics, role of Cu ions and possible mechanisms of action. <i>Environmental Pollution</i> , 2012 , 169, 81-9	9.3	157
28	Profiling of the reactive oxygen species-related ecotoxicity of CuO, ZnO, TiO ₂ , silver and fullerene nanoparticles using a set of recombinant luminescent <i>Escherichia coli</i> strains: differentiating the impact of particles and solubilised metals. <i>Analytical and Bioanalytical Chemistry</i> , 2010 , 398, 701-16	4.4	150
27	A 3-dimensional human embryonic stem cell (hESC)-derived model to detect developmental neurotoxicity of nanoparticles. <i>Archives of Toxicology</i> , 2013 , 87, 721-33	5.8	66
26	Multilaboratory evaluation of 15 bioassays for (eco)toxicity screening and hazard ranking of engineered nanomaterials: FP7 project NANOVALID. <i>Nanotoxicology</i> , 2016 , 10, 1229-42	5.3	59
25	Plasma membrane is the target of rapid antibacterial action of silver nanoparticles in and. <i>International Journal of Nanomedicine</i> , 2018 , 13, 6779-6790	7.3	56
24	Hazard evaluation of polystyrene nanoplastic with nine bioassays did not show particle-specific acute toxicity. <i>Science of the Total Environment</i> , 2020 , 707, 136073	10.2	52
23	Bacterial polysaccharide levan as stabilizing, non-toxic and functional coating material for microelement-nanoparticles. <i>Carbohydrate Polymers</i> , 2016 , 136, 710-20	10.3	44
22	Bioavailability of Cd, Zn and Hg in Soil to Nine Recombinant Luminescent Metal Sensor Bacteria. <i>Sensors</i> , 2008 , 8, 6899-6923	3.8	44
21	Macrophage activation status determines the internalization of mesoporous silica particles of different sizes: Exploring the role of different pattern recognition receptors. <i>Biomaterials</i> , 2017 , 121, 28-40	15.6	43
20	LuxCDABE--transformed constitutively bioluminescent <i>Escherichia coli</i> for toxicity screening: comparison with naturally luminous <i>Vibrio fischeri</i> . <i>Sensors</i> , 2011 , 11, 7865-78	3.8	43
19	The effect of composition of different ecotoxicological test media on free and bioavailable copper from CuSO ₄ and CuO nanoparticles: comparative evidence from a Cu-selective electrode and a Cu-biosensor. <i>Sensors</i> , 2011 , 11, 10502-21	3.8	43
18	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> , 2018 , 170, 401-410	6	41
17	Macrophage sensing of single-walled carbon nanotubes via Toll-like receptors. <i>Scientific Reports</i> , 2018 , 8, 1115	4.9	40
16	Effects of rhamnolipids from <i>Pseudomonas aeruginosa</i> DS10-129 on luminescent bacteria: toxicity and modulation of cadmium bioavailability. <i>Microbial Ecology</i> , 2010 , 59, 588-600	4.4	32

15	Antimicrobial Activity of Polyoxometalate Ionic Liquids against Clinically Relevant Pathogens. <i>ChemPlusChem</i> , 2017 , 82, 867-871	2.8	27
14	Pan-European inter-laboratory studies on a panel of in vitro cytotoxicity and pro-inflammation assays for nanoparticles. <i>Archives of Toxicology</i> , 2017 , 91, 2315-2330	5.8	25
13	Environmental hazard of oil shale combustion fly ash. <i>Journal of Hazardous Materials</i> , 2012 , 229-230, 192-200	12.8	25
12	Template for the description of cell-based toxicological test methods to allow evaluation and regulatory use of the data. <i>ALTEX: Alternatives To Animal Experimentation</i> , 2019 , 36, 682-699	4.3	22
11	Metal-Containing Nano-Antimicrobials: Differentiating the Impact of Solubilized Metals and Particles 2012 , 253-290		17
10	Solubility-driven toxicity of CuO nanoparticles to Caco2 cells and Escherichia coli: Effect of sonication energy and test environment. <i>Toxicology in Vitro</i> , 2016 , 36, 172-179	3.6	17
9	Nanotoxicology and nanomedicine: The Yin and Yang of nano-bio interactions for the new decade. <i>Nano Today</i> , 2021 , 39, 101184	17.9	16
8	Neurotrophic Factors in Parkinson's Disease: Clinical Trials, Open Challenges and Nanoparticle-Mediated Delivery to the Brain. <i>Frontiers in Cellular Neuroscience</i> , 2021 , 15, 682597	6.1	7
7	Surface carboxylation or PEGylation decreases CuO nanoparticles cytotoxicity to human cells in vitro without compromising their antibacterial properties. <i>Archives of Toxicology</i> , 2020 , 94, 1561-1573	5.8	5
6	Ligand-Doped Copper Oxo-hydroxide Nanoparticles are Effective Antimicrobials. <i>Nanoscale Research Letters</i> , 2018 , 13, 111	5	4
5	Bacterial plasma membrane is the main cellular target of silver nanoparticles in Escherichia coli and Pseudomonas aeruginosa		4
4	Small-Molecule Inhibitors of the RNA M6A Demethylases FTO Potently Support the Survival of Dopamine Neurons. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	4
3	Antimicrobial activity of polyoxometalate ionic liquids (POM-ILs) against clinically relevant pathogens. <i>Toxicology Letters</i> , 2017 , 280, S193	4.4	2
2	Current challenges and coming opportunities in nanoparticle risk assessment. <i>Frontiers of Nanoscience</i> , 2020 , 16, 353-371	0.7	
1	Enzymatic synthesis and ways of further treatment of fructooligosaccharides and polymeric levan for prebiotic efficiency studies. <i>New Biotechnology</i> , 2016 , 33, S122-S123	6.4	