

Alexandra Kroll

List of Publications by Year in descending order

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16
papers

1,653
citations

759233

12
h-index

940533

16
g-index

16
all docs

16
docs citations

16
times ranked

3237
citing authors

#	ARTICLE	IF	CITATIONS
1	Current in vitro methods in nanoparticle risk assessment: Limitations and challenges. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2009, 72, 370-377.	4.3	392
2	Testing Metalâ€Oxide Nanomaterials for Human Safety. <i>Advanced Materials</i> , 2010, 22, 2601-2627.	21.0	348
3	Interference of engineered nanoparticles with in vitro toxicity assays. <i>Archives of Toxicology</i> , 2012, 86, 1123-1136.	4.2	302
4	Not ready to use â€“ overcoming pitfalls when dispersing nanoparticles in physiological media. <i>Nanotoxicology</i> , 2008, 2, 51-61.	3.0	148
5	Classification and Segmentation of Nanoparticle Diffusion Trajectories in Cellular Micro Environments. <i>PLoS ONE</i> , 2017, 12, e0170165.	2.5	93
6	Extracellular Polymeric Substances (EPS) of Freshwater Biofilms Stabilize and Modify CeO2 and Ag Nanoparticles. <i>PLoS ONE</i> , 2014, 9, e110709.	2.5	81
7	Conserved CDC20 Cell Cycle Functions Are Carried out by Two of the Five Isoforms in <i>Arabidopsis thaliana</i> . <i>PLoS ONE</i> , 2011, 6, e20618.	2.5	71
8	Characterization of extracellular polymeric substances (EPS) from periphyton using liquid chromatography-organic carbon detectionâ€“organic nitrogen detection (LC-OCD-OND). <i>Environmental Science and Pollution Research</i> , 2013, 20, 3214-3223.	5.3	64
9	Toxic interactions of different silver forms with freshwater green algae and cyanobacteria and their effects on mechanistic endpoints and the production of extracellular polymeric substances. <i>Environmental Science: Nano</i> , 2016, 3, 396-408.	4.3	45
10	<i>In vitro</i> toxicology of ambient particulate matter: Correlation of cellular effects with particle size and components. <i>Environmental Toxicology</i> , 2013, 28, 76-86.	4.0	42
11	Carboxylate Functional Groups Mediate Interaction with Silver Nanoparticles in Biofilm Matrix. <i>ACS Omega</i> , 2018, 3, 724-733.	3.5	29
12	Mixed messages from benthic microbial communities exposed to nanoparticulate and ionic silver: 3D structure picks up nano-specific effects, while EPS and traditional endpoints indicate a concentration-dependent impact of silver ions. <i>Environmental Science and Pollution Research</i> , 2016, 23, 4218-4234.	5.3	14
13	Biological Components and Bioelectronic Interfaces of Water Splitting Photoelectrodes for Solar Hydrogen Production. <i>Chemistry - A European Journal</i> , 2015, 21, 4188-4199.	3.3	8
14	Evaluation of Phototrophic Stream Biofilms Under Stress: Comparing Traditional and Novel Ecotoxicological Endpoints After Exposure to Diuron. <i>Frontiers in Microbiology</i> , 2018, 9, 2974.	3.5	6
15	Herbicide-Induced Shifts in the Periphyton Community Composition Indirectly Affect Feeding Activity and Physiology of the Gastropod Grazer <i>Physella acuta</i> . <i>Environmental Science & Technology</i> , 2021, 55, 14699-14709.	10.0	6
16	Nanobiologyâ€“ convergence of disciplines inspires great applications. <i>Cellular and Molecular Life Sciences</i> , 2012, 69, 335-336.	5.4	4