

Nastassja A Lewinski

List of Publications by Year in descending order

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44
papers

4,359
citations

361413

20
h-index

302126

39
g-index

45
all docs

45
docs citations

45
times ranked

8594
citing authors

#	ARTICLE	IF	CITATIONS
1	Applying model approaches in non-model systems: A review and case study on coral cell culture. PLoS ONE, 2021, 16, e0248953.	2.5	13
2	Digital image processing to detect subtle motion in stony coral. Scientific Reports, 2021, 11, 7722.	3.3	4
3	Machine Assisted Experimentation of Extrusion-Based Bioprinting Systems. Micromachines, 2021, 12, 780.	2.9	20
4	Identifying Chemical Reactions and Their Associated Attributes in Patents. Frontiers in Research Metrics and Analytics, 2021, 6, 688353.	1.9	1
5	Key parameters and applications of extrusion-based bioprinting. Bioprinting, 2021, 23, e00156.	5.8	20
6	3D Printing of Antibacterial Polymer Devices Based on Nitric Oxide Release from Embedded S-Nitrosothiol Crystals. ACS Applied Bio Materials, 2021, 4, 7653-7662.	4.6	7
7	Improving Quality in Nanoparticle-Induced Cytotoxicity Testing by a Tiered Inter-Laboratory Comparison Study. Nanomaterials, 2020, 10, 1430.	4.1	11
8	Real-time monitoring of cellular oxidative stress during aerosol sampling: a proof of concept study. Drug and Chemical Toxicology, 2020, , 1-8.	2.3	2
9	Comparative analysis of ventilation efficiency on ultrafine particle removal in university MakerSpaces. Atmospheric Environment, 2020, 224, 117321.	4.1	8
10	Analysis of Inter-Domain and Cross-Domain Drug Review Polarity Classification. AMIA Summits on Translational Science Proceedings, 2020, 2020, 201-210.	0.4	0
11	On-site three-dimensional printer aerosol hazard assessment: Pilot study of a portable in vitro exposure cassette. Process Safety Progress, 2019, 38, e12030.	1.0	8
12	A New Portable In Vitro Exposure Cassette for Aerosol Sampling. Journal of Visualized Experiments, 2019, , .	0.3	3
13	Integration among databases and data sets to support productive nanotechnology: Challenges and recommendations. NanolImpact, 2018, 9, 85-101.	4.5	56
14	Editorial overview: The 2017 ACS's green chemistry & engineering conference, symposium on making greener nanomaterials. Current Opinion in Green and Sustainable Chemistry, 2018, 12, A3-A5.	5.9	0
15	Influence of ZnO thin film crystallinity on in vitro biocompatibility. Toxicology Research, 2018, 7, 754-759.	2.1	6
16	Nano-enabled personal care products: Current developments in consumer safety. NanolImpact, 2018, 11, 170-179.	4.5	28
17	Nanoparticle synthesis to green informatics frameworks. Current Opinion in Green and Sustainable Chemistry, 2018, 12, 117-126.	5.9	7
18	Air-Liquid Interface Cell Exposures to Nanoparticle Aerosols. Methods in Molecular Biology, 2017, 1570, 301-313.	0.9	4

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19	Effectiveness of hand washing on the removal of iron oxide nanoparticles from human skin ex vivo. <i>Journal of Occupational and Environmental Hygiene</i> , 2017, 14, D115-D119.	1.0	11
20	Reviewâ€”Electrochemical Biosensors Based on ZnO Nanostructures. <i>ECS Journal of Solid State Science and Technology</i> , 2017, 6, Q84-Q100.	1.8	43
21	Methodological considerations when conducting <i>in vitro</i> , airâ€”liquid interface exposures to engineered nanoparticle aerosols. <i>Critical Reviews in Toxicology</i> , 2017, 47, 225-262.	3.9	34
22	An annotated corpus with nanomedicine and pharmacokinetic parameters. <i>International Journal of Nanomedicine</i> , 2017, Volume 12, 7519-7527.	6.7	5
23	Characterization of Tungsten Inert Gas (TIG) Welding Fume Generated by Apprentice Welders. <i>Annals of Occupational Hygiene</i> , 2016, 60, 205-219.	1.9	30
24	Nanoparticle Cytotoxicity. , 2016, , 2546-2555.		0
25	Increase in oxidative stress levels following welding fume inhalation: a controlled human exposure study. <i>Particle and Fibre Toxicology</i> , 2015, 13, 31.	6.2	54
26	Nanocuration workflows: Establishing best practices for identifying, inputting, and sharing data to inform decisions on nanomaterials. <i>Beilstein Journal of Nanotechnology</i> , 2015, 6, 1860-1871.	2.8	26
27	Using natural language processing techniques to inform research on nanotechnology. <i>Beilstein Journal of Nanotechnology</i> , 2015, 6, 1439-1449.	2.8	24
28	Physico-Chemical Characterization and Oxidative Reactivity Evaluation of Aged Brake Wear Particles. <i>Aerosol Science and Technology</i> , 2015, 49, 65-74.	3.1	27
29	Physicochemical Characterization of Nebulized Superparamagnetic Iron Oxide Nanoparticles (SPIONs). <i>Journal of Aerosol Medicine and Pulmonary Drug Delivery</i> , 2015, 28, 43-51.	1.4	25
30	Human inhalation exposure to iron oxide particles. <i>BioNanoMaterials</i> , 2013, 14, 5-23.	1.4	13
31	Development of a dose-controlled multiculture cell exposure chamber for efficient delivery of airborne and engineered nanoparticles. <i>Journal of Physics: Conference Series</i> , 2013, 429, 012023.	0.4	3
32	Trophic transfer of amphiphilic polymer coated CdSe/ZnS quantum dots to <i>Danio rerio</i> . <i>Nanoscale</i> , 2011, 3, 3080.	5.6	48
33	Size-controlled synthesis of monodispersed gold nanoparticles via carbon monoxide gas reduction. <i>Nanoscale Research Letters</i> , 2011, 6, 428.	5.7	56
34	Nanoshell-mediated photothermal therapy improves survival in a murine glioma model. <i>Journal of Neuro-Oncology</i> , 2011, 104, 55-63.	2.9	127
35	T cells enhance gold nanoparticle delivery to tumors in vivo. <i>Nanoscale Research Letters</i> , 2011, 6, 283.	5.7	107
36	A New Era for Cancer Treatment: Goldâ€”Nanoparticleâ€”Mediated Thermal Therapies. <i>Small</i> , 2011, 7, 169-183.	10.0	773

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37	Biomedical Applications of Multi-Functional Silica-Based Gold Nanoshells. , 2011, , 633-662.		0
38	Photothermal Therapy of Glioma in a Mouse Model With Near-Infrared Excited Nanoshells. , 2010, , .		0
39	Quantification of Water Solubilized CdSe/ZnS Quantum Dots in <i>Daphnia magna</i> . Environmental Science & Technology, 2010, 44, 1841-1846.	10.0	57
40	Cytotoxicity of Nanoparticles. Small, 2008, 4, 26-49.	10.0	2,488
41	Enhanced multi-spectral imaging of live breast cancer cells using immunotargeted gold nanoshells and two-photon excitation microscopy. Nanotechnology, 2008, 19, 315102.	2.6	61
42	Lead sulfide near-infrared quantum dot bioconjugates for targeted molecular imaging. International Journal of Nanomedicine, 2007, 2, 235-40.	6.7	20
43	Reflectance spectroscopy of gold nanoshells: computational predictions and experimental measurements. Journal of Nanoparticle Research, 2006, 8, 681-692.	1.9	16
44	Optically tunable nanoparticle contrast agents for early cancer detection: model-based analysis of gold nanoshells. Journal of Biomedical Optics, 2005, 10, 064035.	2.6	112