Nastassja A Lewinski

List of Publications by Year
in descending order

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44 papers	4,359 citations	361296 20 h-index	302012 39 g-index
45 all docs	45 docs citations	45 times ranked	8594 citing authors

#	Article	IF	Citations
1	Cytotoxicity of Nanoparticles. Small, 2008, 4, 26-49.	5.2	2,488
2	A New Era for Cancer Treatment: Goldâ€Nanoparticleâ€Mediated Thermal Therapies. Small, 2011, 7, 169-183.	5.2	773
3	Nanoshell-mediated photothermal therapy improves survival in a murine glioma model. Journal of Neuro-Oncology, 2011, 104, 55-63.	1.4	127
4	Optically tunable nanoparticle contrast agents for early cancer detection: model-based analysis of gold nanoshells. Journal of Biomedical Optics, 2005, 10, 064035.	1.4	112
5	T cells enhance gold nanoparticle delivery to tumors in vivo. Nanoscale Research Letters, 2011, 6, 283.	3.1	107
6	Enhanced multi-spectral imaging of live breast cancer cells using immunotargeted gold nanoshells and two-photon excitation microscopy. Nanotechnology, 2008, 19, 315102.	1.3	61
7	Quantification of Water Solubilized CdSe/ZnS Quantum Dots in Daphnia magna. Environmental Science & Technology, 2010, 44, 1841-1846.	4.6	57
8	Size-controlled synthesis of monodispersed gold nanoparticles via carbon monoxide gas reduction. Nanoscale Research Letters, 2011, 6, 428.	3.1	56
9	Integration among databases and data sets to support productive nanotechnology: Challenges and recommendations. NanoImpact, 2018, 9, 85-101.	2.4	56
10	Increase in oxidative stress levels following welding fume inhalation: a controlled human exposure study. Particle and Fibre Toxicology, 2015, 13, 31.	2.8	54
11	Trophic transfer of amphiphilic polymer coated CdSe/ZnS quantum dots to Danio rerio. Nanoscale, 2011, 3, 3080.	2.8	48
12	Reviewâ€"Electrochemical Biosensors Based on ZnO Nanostructures. ECS Journal of Solid State Science and Technology, 2017, 6, Q84-Q100.	0.9	43
13	Methodological considerations when conductingin vitro, airâ€"liquid interface exposures to engineered nanoparticle aerosols. Critical Reviews in Toxicology, 2017, 47, 225-262.	1.9	34
14	Characterization of Tungsten Inert Gas (TIG) Welding Fume Generated by Apprentice Welders. Annals of Occupational Hygiene, 2016, 60, 205-219.	1.9	30
15	Nano-enabled personal care products: Current developments in consumer safety. NanoImpact, 2018, 11, 170-179.	2.4	28
16	Physico-Chemical Characterization and Oxidative Reactivity Evaluation of Aged Brake Wear Particles. Aerosol Science and Technology, 2015, 49, 65-74.	1.5	27
17	Nanocuration workflows: Establishing best practices for identifying, inputting, and sharing data to inform decisions on nanomaterials. Beilstein Journal of Nanotechnology, 2015, 6, 1860-1871.	1.5	26
18	Physicochemical Characterization of Nebulized Superparamagnetic Iron Oxide Nanoparticles (SPIONs). Journal of Aerosol Medicine and Pulmonary Drug Delivery, 2015, 28, 43-51.	0.7	25

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19	Using natural language processing techniques to inform research on nanotechnology. Beilstein Journal of Nanotechnology, 2015, 6, 1439-1449.	1.5	24
20	Machine Assisted Experimentation of Extrusion-Based Bioprinting Systems. Micromachines, 2021, 12, 780.	1.4	20
21	Key parameters and applications of extrusion-based bioprinting. Bioprinting, 2021, 23, e00156.	2.9	20
22	Lead sulfide near-infrared quantum dot bioconjugates for targeted molecular imaging. International Journal of Nanomedicine, 2007, 2, 235-40.	3.3	20
23	Reflectance spectroscopy of gold nanoshells: computational predictions and experimental measurements. Journal of Nanoparticle Research, 2006, 8, 681-692.	0.8	16
24	Human inhalation exposure to iron oxide particles. BioNanoMaterials, 2013, 14, 5-23.	1.4	13
25	Applying model approaches in non-model systems: A review and case study on coral cell culture. PLoS ONE, 2021, 16, e0248953.	1.1	13
26	Effectiveness of hand washing on the removal of iron oxide nanoparticles from human skin ex vivo. Journal of Occupational and Environmental Hygiene, 2017, 14, D115-D119.	0.4	11
27	Improving Quality in Nanoparticle-Induced Cytotoxicity Testing by a Tiered Inter-Laboratory Comparison Study. Nanomaterials, 2020, 10, 1430.	1.9	11
28	Onâ€site threeâ€dimensional printer aerosol hazard assessment: Pilot study of a portable in vitro exposure cassette. Process Safety Progress, 2019, 38, e12030.	0.4	8
29	Comparative analysis of ventilation efficiency on ultrafine particle removal in university MakerSpaces. Atmospheric Environment, 2020, 224, 117321.	1.9	8
30	Nanoparticle synthesis to green informatics frameworks. Current Opinion in Green and Sustainable Chemistry, 2018, 12, 117-126.	3.2	7
31	3D Printing of Antibacterial Polymer Devices Based on Nitric Oxide Release from Embedded S-Nitrosothiol Crystals. ACS Applied Bio Materials, 2021, 4, 7653-7662.	2.3	7
32	Influence of ZnO thin film crystallinity on in vitro biocompatibility. Toxicology Research, 2018, 7, 754-759.	0.9	6
33	An annotated corpus with nanomedicine and pharmacokinetic parameters. International Journal of Nanomedicine, 2017, Volume 12, 7519-7527.	3.3	5
34	Airâ€“Liquid Interface Cell Exposures to Nanoparticle Aerosols. Methods in Molecular Biology, 2017, 1570, 301-313.	0.4	4
35	Digital image processing to detect subtle motion in stony coral. Scientific Reports, 2021, 11, 7722.	1.6	4
36	Development of a dose-controlled multiculture cell exposure chamber for efficient delivery of airborne and engineered nanoparticles. Journal of Physics: Conference Series, 2013, 429, 012023.	0.3	3

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37	A New Portable In Vitro Exposure Cassette for Aerosol Sampling. Journal of Visualized Experiments, 2019, , .	0.2	3
38	Real-time monitoring of cellular oxidative stress during aerosol sampling: a proof of concept study. Drug and Chemical Toxicology, 2020, , 1-8.	1.2	2
39	Identifying Chemical Reactions and Their Associated Attributes in Patents. Frontiers in Research Metrics and Analytics, 2021, 6, 688353.	0.9	1
40	Photothermal Therapy of Glioma in a Mouse Model With Near-Infrared Excited Nanoshells. , 2010, , .		0
41	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.	3.2	0
42	Biomedical Applications of Multi-Functional Silica-Based Gold Nanoshells. , 2011, , 633-662.		0
43	Nanoparticle Cytotoxicity. , 2016, , 2546-2555.		0
44	Analysis of Inter-Domain and Cross-Domain Drug Review Polarity Classification. AMIA Summits on Translational Science Proceedings, 2020, 2020, 201-210.	0.4	0