Stacey L Harper

List of Publications by Citations

49 papers	2,058 citations	24 h-index	45 g-index
51 ext. papers	2,352 ext. citations	5.8 avg, IF	5.02 L-index

#	Paper	IF	Citations
49	Curcumin-encapsulated nanoparticles as innovative antimicrobial and wound healing agent. *Nanomedicine: Nanotechnology, Biology, and Medicine*, **2015**, 11, 195-206	6	291
48	In vivo evaluation of carbon fullerene toxicity using embryonic zebrafish. *Carbon*, **2007**, 45, 1891-1898	10.4	245
47	Fullerene C60 exposure elicits an oxidative stress response in embryonic zebrafish. *Toxicology and Applied Pharmacology*, **2008**, 229, 44-55	4.6	189
46	Guidance to improve the scientific value of zeta-potential measurements in nanoEHS. *Environmental Science: Nano*, **2016**, 3, 953-965	7.1	173
45	Evaluation of embryotoxicity using the zebrafish model. *Methods in Molecular Biology*, **2011**, 691, 271-9	1.4	160
44	Systematic evaluation of nanomaterial toxicity: utility of standardized materials and rapid assays. *ACS Nano*, **2011**, 5, 4688-97	16.7	144
43	How should the completeness and quality of curated nanomaterial data be evaluated?. *Nanoscale*, **2016**, 8, 9919-43	7.7	65
42	Stability of citrate-capped silver nanoparticles in exposure media and their effects on the development of embryonic zebrafish (Danio rerio). *Archives of Pharmacal Research*, **2013**, 36, 125-33	6.1	52
41	Impacts of chemical modification on the toxicity of diverse nanocellulose materials to developing zebrafish. *Cellulose*, **2016**, 23, 1763-1775	5.5	48
40	Integration among databases and data sets to support productive nanotechnology: Challenges and recommendations. *NanoImpact*, **2018**, 9, 85-101	5.6	39
39	The influence of size on the toxicity of an encapsulated pesticide: a comparison of micron- and nano-sized capsules. *Environment International*, **2016**, 86, 68-74	12.9	38
38	Comparative toxicological assessment of PAMAM and thiophosphoryl dendrimers using embryonic zebrafish. *International Journal of Nanomedicine*, **2014**, 9, 1947-56	7.3	38
37	Proactively designing nanomaterials to enhance performance and minimise hazard. *International Journal of Nanotechnology*, **2008**, 5, 124	1.5	37
36	Uptake and toxicity of CuO nanoparticles to Daphnia magna varies between indirect dietary and direct waterborne exposures. *Aquatic Toxicology*, **2017**, 190, 78-86	5.1	32
35	Informatics and standards for nanomedicine technology. *Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology*, **2011**, 3, 511-532	9.2	32
34	Nitric Oxide-Releasing Nanoparticles Prevent Propionibacterium acnes-Induced Inflammation by Both Clearing the Organism and Inhibiting Microbial Stimulation of the Innate Immune Response. *Journal of Investigative Dermatology*, **2015**, 135, 2723-2731	4.3	31
33	Predictive modeling of nanomaterial exposure effects in biological systems. *International Journal of Nanomedicine*, **2013**, 8 Suppl 1, 31-43	7.3	31

32	Differential dissolution and toxicity of surface functionalized silver nanoparticles in small-scale microcosms: impacts of community complexity. *Environmental Science: Nano*, **2017**, 4, 359-372	7.1	30
31	Comparative dissolution, uptake, and toxicity of zinc oxide particles in individual aquatic species and mixed populations. *Environmental Toxicology and Chemistry*, **2019**, 38, 591-602	3.8	30
30	The Nanomaterial Data Curation Initiative: A collaborative approach to assessing, evaluating, and advancing the state of the field. *Beilstein Journal of Nanotechnology*, **2015**, 6, 1752-62	3	29
29	The Impact of Surface Ligands and Synthesis Method on the Toxicity of Glutathione-Coated Gold Nanoparticles. *Nanomaterials*, **2014**, 4, 355-371	5.4	28
28	Comparative hazard analysis and toxicological modeling of diverse nanomaterials using the embryonic zebrafish (EZ) metric of toxicity. *Journal of Nanoparticle Research*, **2015**, 17, 250	2.3	27
27	Assessment of Cu and CuO nanoparticle ecological responses using laboratory small-scale microcosms. *Environmental Science: Nano*, **2020**, 7, 105-115	7.1	27
26	Influence of surface chemical properties on the toxicity of engineered zinc oxide nanoparticles to embryonic zebrafish. *Beilstein Journal of Nanotechnology*, **2015**, 6, 1568-79	3	26
25	Pesticide Encapsulation at the Nanoscale Drives Changes to the Hydrophobic Partitioning and Toxicity of an Active Ingredient. *Nanomaterials*, **2019**, 9,	5.4	24
24	Harmonizing across environmental nanomaterial testing media for increased comparability of nanomaterial datasets. *Environmental Science: Nano*, **2020**, 7, 13-36	7.1	23
23	The impact of aminated surface ligands and silica shells on the stability, uptake, and toxicity of engineered silver nanoparticles. *Journal of Nanoparticle Research*, **2014**, 16, 2761	2.3	18
22	Size-Dependent Interactions of Lipid-Coated Gold Nanoparticles: Developing a Better Mechanistic Understanding Through Model Cell Membranes and in vivo Toxicity. *International Journal of Nanomedicine*, **2020**, 15, 4091-4104	7.3	14
21	Evaluating the use of zinc oxide and titanium dioxide nanoparticles in a metalworking fluid from a toxicological perspective. *Journal of Nanoparticle Research*, **2015**, 17, 1	2.3	12
20	Reactive oxygen species generation is likely a driver of copper based nanomaterial toxicity. *Environmental Science: Nano*, **2018**, 5, 1473-1481	7.1	12
19	S-nitrosocaptopril nanoparticles as nitric oxide-liberating and transnitrosylating anti-infective technology. *Nanomedicine: Nanotechnology, Biology, and Medicine*, **2015**, 11, 283-91	6	11
18	Silver Nanoparticles Stable to Oxidation and Silver Ion Release Show Size-Dependent Toxicity In Vivo. *Nanomaterials*, **2021**, 11,	5.4	11
17	Can an InChI for Nano Address the Need for a Simplified Representation of Complex Nanomaterials across Experimental and Nanoinformatics Studies?. *Nanomaterials*, **2020**, 10,	5.4	10
16	Toxicological Assessment of a Lignin Core Nanoparticle Doped with Silver as an Alternative to Conventional Silver Core Nanoparticles. *Antibiotics*, **2018**, 7,	4.9	10
15	Adaptive methodology to determine hydrophobicity of nanomaterials in situ. *PLoS ONE*, **2020**, 15, e0233844	3.7	9

14	Stability and Biological Responses of Zinc Oxide Metalworking Nanofluids (ZnO MWnF) using Dynamic Light Scattering and Zebrafish Assays. *Tribology Transactions*, **2014**, 57, 730-739	1.8	9
13	Potential Risk to Pollinators from Nanotechnology-Based Pesticides. *Molecules*, **2019**, 24,	4.8	9
12	In Vivo Toxicity Assessment of Chitosan-Coated Lignin Nanoparticles in Embryonic Zebrafish (). *Nanomaterials*, **2021**, 11,	5.4	9
11	Nanoinformatics workshop report: Current resources, community needs, and the proposal of a collaborative framework for data sharing and information integration. *Computational Science & Discovery*, **2013**, 6, 14008		7
10	Effect of pH and ionic strength on exposure and toxicity of encapsulated lambda-cyhalothrin to Daphnia magna. *Science of the Total Environment*, **2015**, 538, 683-91	10.2	6
9	Fluorescently Labeled Cellulose Nanofibers for Environmental Health and Safety Studies. *Nanomaterials*, **2021**, 11,	5.4	5
8	Visualization tool for correlating nanomaterial properties and biological responses in zebrafish. *Environmental Science: Nano*, **2016**, 3, 1280-1292	7.1	4
7	Preliminary Examination of the Toxicity of Spalting Fungal Pigments: A Comparison between Extraction Methods. *Journal of Fungi (Basel, Switzerland)*, **2021**, 7,	5.6	4
6	Toxicity of micro and nano tire particles and leachate for model freshwater organisms.. *Journal of Hazardous Materials*, **2022**, 429, 128319	12.8	3
5	What is Environmentally Relevant? A framework to advance research on the environmental fate and effects of engineered nanomaterials. *Environmental Science: Nano*, **2021**, 8, 2414-2429	7.1	3
4	Hybrid Polyoxometalate Salt Adhesion by Butyltin Functionalization. *ACS Applied Materials & Interfaces*, **2021**, 13, 19497-19506	9.5	2
3	Identifying diverse metal oxide nanomaterials with lethal effects on embryonic zebrafish using machine learning.. *Beilstein Journal of Nanotechnology*, **2021**, 12, 1297-1325	3	1
2	Effect of Nanoplastic Type and Surface Chemistry on Particle Agglomeration over a Salinity Gradient. *Environmental Toxicology and Chemistry*, **2021**, 40, 1822-1828	3.8	0
1	Monoalkyl Tin Nano-Cluster Films Reveal a Low Environmental Impact under Simulated Natural Conditions. *Environmental Toxicology and Chemistry*, **2019**, 38, 2651-2658	3.8	