

Helinor Johnston

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.

21
papers

1,421
citations

15
h-index

22
g-index

22
ext. papers

1,600
ext. citations

6.7
avg, IF

4.34
L-index

#	Paper	IF	Citations
21	Development of in vitro systems for nanotoxicology: methodological considerations. <i>Critical Reviews in Toxicology</i> , 2009 , 39, 613-26	5.7	319
20	Air pollution, ultrafine and nanoparticle toxicology: cellular and molecular interactions. <i>IEEE Transactions on Nanobioscience</i> , 2007 , 6, 331-40	3.4	249
19	Neurodegenerative and neurological disorders by small inhaled particles. <i>NeuroToxicology</i> , 2016 , 56, 94-106	4.4	175
18	Engineered nanomaterial risk. Lessons learnt from completed nanotoxicology studies: potential solutions to current and future challenges. <i>Critical Reviews in Toxicology</i> , 2013 , 43, 1-20	5.7	116
17	ITS-NANO--prioritising nanosafety research to develop a stakeholder driven intelligent testing strategy. <i>Particle and Fibre Toxicology</i> , 2014 , 11, 9	8.4	112
16	A Multilaboratory Toxicological Assessment of a Panel of 10 Engineered Nanomaterials to Human Health--ENPRA Project--The Highlights, Limitations, and Current and Future Challenges. <i>Journal of Toxicology and Environmental Health - Part B: Critical Reviews</i> , 2016 , 19, 1-28	8.6	96
15	Investigating the relationship between nanomaterial hazard and physicochemical properties: Informing the exploitation of nanomaterials within therapeutic and diagnostic applications. <i>Journal of Controlled Release</i> , 2012 , 164, 307-13	11.7	57
14	The 3Rs as a framework to support a 21st century approach for nanosafety assessment. <i>Nano Today</i> , 2017 , 12, 10-13	17.9	48
13	Exposure to Environmental and Occupational Particulate Air Pollution as a Potential Contributor to Neurodegeneration and Diabetes: A Systematic Review of Epidemiological Research. <i>International Journal of Environmental Research and Public Health</i> , 2018 , 15,	4.6	37
12	A framework for grouping and read-across of nanomaterials- supporting innovation and risk assessment. <i>Nano Today</i> , 2020 , 35, 100941	17.9	37
11	Weight of evidence approach for the relative hazard ranking of nanomaterials. <i>Nanotoxicology</i> , 2011 , 5, 445-58	5.3	35
10	Inflammation and gene expression in the rat lung after instillation of silica nanoparticles: Effect of size, dispersion medium and particle surface charge. <i>Toxicology Letters</i> , 2014 , 224, 147-156	4.4	32
9	Aligning nanotoxicology with the 3Rs: What is needed to realise the short, medium and long-term opportunities?. <i>Regulatory Toxicology and Pharmacology</i> , 2017 , 91, 257-266	3.4	27
8	Exploitation of Nanotechnology for the Monitoring of Waterborne Pathogens: State-of-the-Art and Future Research Priorities. <i>Environmental Science & Technology</i> , 2015 , 49, 10762-77	10.3	19
7	Mechanism of neutrophil activation and toxicity elicited by engineered nanomaterials. <i>Toxicology in Vitro</i> , 2015 , 29, 1172-84	3.6	15
6	A rapid screening assay for identifying mycobacteria targeted nanoparticle antibiotics. <i>Nanotoxicology</i> , 2016 , 10, 761-9	5.3	13
5	An integrated approach to testing and assessment of high aspect ratio nanomaterials and its application for grouping based on a common mesothelioma hazard.. <i>NanoImpact</i> , 2021 , 22, 100314	5.6	10

4	Intracellular delivery of nano-formulated antituberculosis drugs enhances bactericidal activity. <i>Journal of Interdisciplinary Nanomedicine</i> , 2017 , 2, 146-156	4	9
3	Silica nanoparticles and biological dispersants: genotoxic effects on A549 lung epithelial cells. <i>Journal of Nanoparticle Research</i> , 2015 , 17, 1	2.3	7
2	Serum enhanced cytokine responses of macrophages to silica and iron oxide particles and nanomaterials: a comparison of serum to lung lining fluid and albumin dispersions. <i>Journal of Applied Toxicology</i> , 2014 , 34, 1177-87	4.1	7
1	The application of existing genotoxicity methodologies for grouping of nanomaterials: towards an integrated approach to testing and assessment.. <i>Particle and Fibre Toxicology</i> , 2022 , 19, 32	8.4	1