Helinor Johnston

List of Publications by Year
in descending order

21 papers	1,776 citations	516215 16 h-index	713013 21 g-index
22 all docs	22 docs citations	22 times ranked	3092 citing authors

#	Article	IF	Citations
1	Development ofin vitrosystems for nanotoxicology: methodological considerations. Critical Reviews in Toxicology, 2009, 39, 613-626.	1.9	377
2	Air Pollution, Ultrafine and Nanoparticle Toxicology: Cellular and Molecular Interactions. IEEE Transactions on Nanobioscience, 2007, 6, 331-340.	2.2	299
3	Neurodegenerative and neurological disorders by small inhaled particles. NeuroToxicology, 2016, 56, 94-106.	1.4	246
4	Engineered nanomaterial risk. Lessons learnt from completed nanotoxicology studies: potential solutions to current and future challenges. Critical Reviews in Toxicology, 2013, 43, 1-20.	1.9	130
5	ITS-NANO - Prioritising nanosafety research to develop a stakeholder driven intelligent testing strategy. Particle and Fibre Toxicology, 2014, 11, 9.	2.8	124
6	A Multilaboratory Toxicological Assessment of a Panel of 10 Engineered Nanomaterials to Human Healthâ€"ENPRA Projectâ€"The Highlights, Limitations, and Current and Future Challenges. Journal of Toxicology and Environmental Health - Part B: Critical Reviews, 2016, 19, 1-28.	2.9	112
7	A framework for grouping and read-across of nanomaterials- supporting innovation and risk assessment. Nano Today, 2020, 35, 100941.	6.2	80
8	The 3Rs as a framework to support a 21st century approach for nanosafety assessment. Nano Today, 2017, 12, 10-13.	6.2	65
9	Investigating the relationship between nanomaterial hazard and physicochemical properties: Informing the exploitation of nanomaterials within therapeutic and diagnostic applications. Journal of Controlled Release, 2012, 164, 307-313.	4.8	61
10	Exposure to Environmental and Occupational Particulate Air Pollution as a Potential Contributor to Neurodegeneration and Diabetes: A Systematic Review of Epidemiological Research. International Journal of Environmental Research and Public Health, 2018, 15, 1704.	1.2	51
11	Weight of Evidence approach for the relative hazard ranking of nanomaterials. Nanotoxicology, 2011, 5, 445-458.	1.6	38
12	Inflammation and gene expression in the rat lung after instillation of silica nanoparticles: Effect of size, dispersion medium and particle surface charge. Toxicology Letters, 2014, 224, 147-156.	0.4	38
13	Aligning nanotoxicology with the 3Rs: What is needed to realise the short, medium and long-term opportunities?. Regulatory Toxicology and Pharmacology, 2017, 91, 257-266.	1.3	36
14	An integrated approach to testing and assessment of high aspect ratio nanomaterials and its application for grouping based on a common mesothelioma hazard. NanoImpact, 2021, 22, 100314.	2.4	31
15	Exploitation of Nanotechnology for the Monitoring of Waterborne Pathogens: State-of-the-Art and Future Research Priorities. Environmental Science & Technology, 2015, 49, 10762-10777.	4.6	22
16	Mechanism of neutrophil activation and toxicity elicited by engineered nanomaterials. Toxicology in Vitro, 2015, 29, 1172-1184.	1.1	19
17	A rapid screening assay for identifying mycobacteria targeted nanoparticle antibiotics. Nanotoxicology, 2016, 10, 761-769.	1.6	16
18	Intracellular delivery of nanoâ€formulated antituberculosis drugs enhances bactericidal activity. Journal of Interdisciplinary Nanomedicine, 2017, 2, 146-156.	3.6	12

#	Article	IF	Citations
19	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. Journal of Applied Toxicology, 2014, 34, 1177-1187.	1.4	7
20	Silica nanoparticles and biological dispersants: genotoxic effects on A549 lung epithelial cells. Journal of Nanoparticle Research, 2015, 17, 1.	0.8	7
21	The application of existing genotoxicity methodologies for grouping of nanomaterials: towards an integrated approach to testing and assessment. Particle and Fibre Toxicology, 2022, 19, 32.	2.8	5