

Martin J D Clift

List of Publications by Year in descending order

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Version: 2024-02-01

63
papers

4,444
citations

126907

33
h-index

118850

62
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67
all docs

67
docs citations

67
times ranked

7486
citing authors

#	ARTICLE	IF	CITATIONS
1	Deducing the cellular mechanisms associated with the potential genotoxic impact of gold and silver engineered nanoparticles upon different lung epithelial cell lines in <i>in vitro</i> . <i>Nanotoxicology</i> , 2022, , 1-21.	3.0	3
2	The Road to Achieving the European Commission's Chemicals Strategy for Nanomaterial Sustainability – A PATROLS Perspective on New Approach Methodologies. <i>Small</i> , 2022, 18, e2200231.	10.0	9
3	The influence of exposure approaches to <i>in vitro</i> lung epithelial barrier models to assess engineered nanomaterial hazard. <i>Nanotoxicology</i> , 2022, 16, 114-134.	3.0	6
4	In Vitro Primary Indirect Genotoxicity in Bronchial Epithelial Cells Promoted by Industrially Relevant Few-Layer Graphene. <i>Small</i> , 2021, 17, e2002551.	10.0	21
5	Few-layer graphene induces both primary and secondary genotoxicity in epithelial barrier models in vitro. <i>Journal of Nanobiotechnology</i> , 2021, 19, 24.	9.1	21
6	Opportunities and Challenges for Integrating New In Vitro Methodologies in Hazard Testing and Risk Assessment. <i>Small</i> , 2021, 17, e2006298.	10.0	11
7	Non-Animal Strategies for Toxicity Assessment of Nanoscale Materials: Role of Adverse Outcome Pathways in the Selection of Endpoints. <i>Small</i> , 2021, 17, e2007628.	10.0	27
8	Towards More Predictive, Physiological and Animal-free <i>In Vitro</i> Models: Advances in Cell and Tissue Culture 2020 Conference Proceedings. <i>ATLA Alternatives To Laboratory Animals</i> , 2021, 49, 93-110.	1.0	6
9	Understanding the impact of more realistic low-dose, prolonged engineered nanomaterial exposure on genotoxicity using 3D models of the human liver. <i>Journal of Nanobiotechnology</i> , 2021, 19, 193.	9.1	15
10	Inter-laboratory variability of A549 epithelial cells grown under submerged and air-liquid interface conditions. <i>Toxicology in Vitro</i> , 2021, 75, 105178.	2.4	26
11	Overview of Nanotoxicology in Humans and the Environment; Developments, Challenges and Impacts. <i>Molecular and Integrative Toxicology</i> , 2021, , 1-40.	0.5	0
12	An Alternative Perspective towards Reducing the Risk of Engineered Nanomaterials to Human Health. <i>Small</i> , 2020, 16, e2002002.	10.0	17
13	Adaptation of the <i>in vitro</i> micronucleus assay for genotoxicity testing using 3D liver models supporting longer-term exposure durations. <i>Mutagenesis</i> , 2020, 35, 319-330.	2.6	29
14	Advanced 3D Liver Models for In vitro Genotoxicity Testing Following Long-Term Nanomaterial Exposure. <i>Journal of Visualized Experiments</i> , 2020, , .	0.3	14
15	Nanomaterials and Innate Immunity: A Perspective of the Current Status in Nanosafety. <i>Chemical Research in Toxicology</i> , 2020, 33, 1061-1073.	3.3	34
16	Assessment of the potential for in-plume sulphur dioxide gas-ash interactions to influence the respiratory toxicity of volcanic ash. <i>Environmental Research</i> , 2019, 179, 108798.	7.5	12
17	Cellular Defense Mechanisms Following Nanomaterial Exposure: A Focus on Oxidative Stress and Cytotoxicity. <i>Nanoscience and Technology</i> , 2019, , 243-254.	1.5	2
18	In vitro detection of in vitro secondary mechanisms of genotoxicity induced by engineered nanomaterials. <i>Particle and Fibre Toxicology</i> , 2019, 16, 8.	6.2	40

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19	Respiratory hazard assessment of combined exposure to complete gasoline exhaust and respirable volcanic ash in a multicellular human lung model at the air-liquid interface. <i>Environmental Pollution</i> , 2018, 238, 977-987.	7.5	21
20	Current characterization methods for cellulose nanomaterials. <i>Chemical Society Reviews</i> , 2018, 47, 2609-2679.	38.1	690
21	Biological response of an in vitro human 3D lung cell model exposed to brake wear debris varies based on brake pad formulation. <i>Archives of Toxicology</i> , 2018, 92, 2339-2351.	4.2	26
22	A novel technique to determine the cell type specific response within an in vitro co-culture model via multi-colour flow cytometry. <i>Scientific Reports</i> , 2017, 7, 434.	3.3	17
23	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.	2.7	36
24	Critical review of the current and future challenges associated with advanced <i>in vitro</i> systems towards the study of nanoparticle (secondary) genotoxicity. <i>Mutagenesis</i> , 2017, 32, 233-241.	2.6	75
25	Characteristics and properties of nano-LiCoO ₂ synthesized by pre-organized single source precursors: Li-ion diffusivity, electrochemistry and biological assessment. <i>Journal of Nanobiotechnology</i> , 2017, 15, 58.	9.1	11
26	Nanomaterials Versus Ambient Ultrafine Particles: An Opportunity to Exchange Toxicology Knowledge. <i>Environmental Health Perspectives</i> , 2017, 125, 106002.	6.0	274
27	Nanofibers: Friend or Foe?. <i>Fibers</i> , 2016, 4, 25.	4.0	2
28	Combined exposure of diesel exhaust particles and respirable Soufrière Hills volcanic ash causes a (pro-)inflammatory response in an in vitro multicellular epithelial tissue barrier model. <i>Particle and Fibre Toxicology</i> , 2016, 13, 67.	6.2	34
29	A biological perspective toward the interaction of theranostic nanoparticles with the bloodstream – what needs to be considered?. <i>Frontiers in Chemistry</i> , 2015, 3, 7.	3.6	8
30	Uptake efficiency of surface modified gold nanoparticles does not correlate with functional changes and cytokine secretion in human dendritic cells in vitro. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2015, 11, 633-644.	3.3	78
31	Fate of Cellulose Nanocrystal Aerosols Deposited on the Lung Cell Surface In Vitro. <i>Biomacromolecules</i> , 2015, 16, 1267-1275.	5.4	65
32	Repeated exposure to carbon nanotube-based aerosols does not affect the functional properties of a 3D human epithelial airway model. <i>Nanotoxicology</i> , 2015, 9, 983-993.	3.0	46
33	Mimicking exposures to acute and lifetime concentrations of inhaled silver nanoparticles by two different in vitro approaches. <i>Beilstein Journal of Nanotechnology</i> , 2014, 5, 1357-1370.	2.8	55
34	In vitro interaction of colloidal nanoparticles with mammalian cells: What have we learned thus far?. <i>Beilstein Journal of Nanotechnology</i> , 2014, 5, 1477-1490.	2.8	130
35	Quantification of nanoparticles at the single-cell level: an overview about state-of-the-art techniques and their limitations. <i>Nanomedicine</i> , 2014, 9, 1885-1900.	3.3	60
36	An in vitro testing strategy towards mimicking the inhalation of high aspect ratio nanoparticles. <i>Particle and Fibre Toxicology</i> , 2014, 11, 40.	6.2	91

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37	A Comparative Study of Different In Vitro Lung Cell Culture Systems to Assess the Most Beneficial Tool for Screening the Potential Adverse Effects of Carbon Nanotubes. <i>Toxicological Sciences</i> , 2014, 137, 55-64.	3.1	65
38	Modeling Nanoparticle-Alveolar Epithelial Cell Interactions under Breathing Conditions Using Captive Bubble Surfactometry. <i>Langmuir</i> , 2014, 30, 4924-4932.	3.5	19
39	Polyvinyl Alcohol as a Biocompatible Alternative for the Passivation of Gold Nanorods. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 12613-12617.	13.8	24
40	The Role of the Protein Corona in Fiber Structure-Activity Relationships. <i>Fibers</i> , 2014, 2, 187-210.	4.0	4
41	Exposure of silver-nanoparticles and silver-ions to lung cells in vitro at the air-liquid interface. <i>Particle and Fibre Toxicology</i> , 2013, 10, 11.	6.2	118
42	Surface charge of polymer coated SPIONs influences the serum protein adsorption, colloidal stability and subsequent cell interaction in vitro. <i>Nanoscale</i> , 2013, 5, 3723.	5.6	127
43	Bioavailability of silver nanoparticles and ions: from a chemical and biochemical perspective. <i>Journal of the Royal Society Interface</i> , 2013, 10, 20130396.	3.4	273
44	Can the Ames test provide an insight into nano-object mutagenicity? Investigating the interaction between nano-objects and bacteria. <i>Nanotoxicology</i> , 2013, 7, 1373-1385.	3.0	40
45	Gold Nanorods: Controlling Their Surface Chemistry and Complete Detoxification by a Two-Step Place Exchange. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 1934-1938.	13.8	87
46	Studying the Oxidative Stress Paradigm In Vitro: A Theoretical and Practical Perspective. <i>Methods in Molecular Biology</i> , 2013, 1028, 115-133.	0.9	6
47	Quantum Dots: An Insight and Perspective of Their Biological Interaction and How This Relates to Their Relevance for Clinical Use. <i>Theranostics</i> , 2012, 2, 668-680.	10.0	53
48	Cerium dioxide nanoparticles can interfere with the associated cellular mechanistic response to diesel exhaust exposure. <i>Toxicology Letters</i> , 2012, 214, 218-225.	0.8	43
49	Pulmonary surfactant coating of multi-walled carbon nanotubes (MWCNTs) influences their oxidative and pro-inflammatory potential in vitro. <i>Particle and Fibre Toxicology</i> , 2012, 9, 17.	6.2	76
50	Effects of flame made zinc oxide particles in human lung cells - a comparison of aerosol and suspension exposures. <i>Particle and Fibre Toxicology</i> , 2012, 9, 33.	6.2	45
51	Investigating the Interaction of Cellulose Nanofibers Derived from Cotton with a Sophisticated 3D Human Lung Cell Coculture. <i>Biomacromolecules</i> , 2011, 12, 3666-3673.	5.4	183
52	Minimal analytical characterization of engineered nanomaterials needed for hazard assessment in biological matrices. <i>Nanotoxicology</i> , 2011, 5, 1-11.	3.0	141
53	State of the art toxicological and microscopic assessment of biomedical nanocrystals on the lung in vitro. , 2011, , .		0
54	Nanotoxicology: a perspective and discussion of whether or not in vitro testing is a valid alternative. <i>Archives of Toxicology</i> , 2011, 85, 723-731.	4.2	116

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55	A Brief Summary of Carbon Nanotubes Science and Technology: A Health and Safety Perspective. ChemSusChem, 2011, 4, 905-911.	6.8	37
56	The uptake and intracellular fate of a series of different surface coated quantum dots in vitro. Toxicology, 2011, 286, 58-68.	4.2	67
57	Quantum dot cytotoxicity <i>in vitro</i> : An investigation into the cytotoxic effects of a series of different surface chemistries and their core/shell materials. Nanotoxicology, 2011, 5, 664-674.	3.0	61
58	Intracellular imaging of nanoparticles: Is it an elemental mistake to believe what you see?. Particle and Fibre Toxicology, 2010, 7, 15.	6.2	71
59	An investigation into the potential for different surface-coated quantum dots to cause oxidative stress and affect macrophage cell signalling <i>in vitro</i> . Nanotoxicology, 2010, 4, 139-149.	3.0	66
60	The effects of serum on the toxicity of manufactured nanoparticles. Toxicology Letters, 2010, 198, 358-365.	0.8	83
61	Laser scanning microscopy combined with image restoration to analyse a 3D model of the human epithelial airway barrier. Swiss Medical Weekly, 2010, 140, w13060.	1.6	2
62	The impact of different nanoparticle surface chemistry and size on uptake and toxicity in a murine macrophage cell line. Toxicology and Applied Pharmacology, 2008, 232, 418-427.	2.8	311
63	Air Pollution, Ultrafine and Nanoparticle Toxicology: Cellular and Molecular Interactions. IEEE Transactions on Nanobioscience, 2007, 6, 331-340.	3.3	299