

Iseult Lynch

List of Publications by Year in Descending Order

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Version: 2024-04-27

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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.

253
papers

23,378
citations

62
h-index

151
g-index

290
ext. papers

26,397
ext. citations

8.4
avg, IF

7.14
L-index

#	Paper	IF	Citations
253	A critical review on surface-modified nano-catalyst application for the photocatalytic degradation of volatile organic compounds. <i>Environmental Science: Nano</i> , 2022 , 9, 61-80	7.1	5
252	Biodegradation of Carbon-Based Nanomaterials: The Importance of Biomolecular Corona Consideration (Adv. Funct. Mater. 6/2022). <i>Advanced Functional Materials</i> , 2022 , 32, 2270041	15.6	
251	A novel solar absorber using activated carbon nanoparticles synthesized from bio-waste for the performance improvement of solar desalination unit. <i>Desalination</i> , 2022 , 527, 115564	10.3	4
250	Effect of CeO nanoparticles on plant growth and soil microcosm in a soil-plant interactive system.. <i>Environmental Pollution</i> , 2022 , 300, 118938	9.3	0
249	Exploring the potential of MXene-based advanced solar-absorber in improving the performance and efficiency of a solar-desalination unit for brackish water purification. <i>Desalination</i> , 2022 , 526, 115521	10.3	6
248	Seasonal and short-term variations of bacteria and pathogenic bacteria on road deposited sediments. <i>Environmental Research</i> , 2022 , 204, 111903	7.9	1
247	Multi-walled carbon nanotubes improve nitrogen use efficiency and nutritional quality in Brassica campestris. <i>Environmental Science: Nano</i> , 2022 , 9, 1315-1329	7.1	0
246	Illuminating the 'invisible water crisis' to address global water pollution challenges. <i>Hydrological Processes</i> , 2022 , 36,	3.3	0
245	Assessing the similarity of nanoforms based on the biodegradation of organic surface treatment chemicals.. <i>NanoImpact</i> , 2022 , 26, 100395	5.6	0
244	Uncertainties in the antibacterial mechanisms of graphene family materials. <i>Nano Today</i> , 2022 , 43, 101436	6.9	1
243	Effects of sulfidation of silver nanoparticles on the Ag uptake kinetics in Brassica rapa plants.. <i>Journal of Hazardous Materials</i> , 2022 , 435, 128880	12.8	0
242	Daphnia magna and mixture toxicity with nanomaterials [Current status and perspectives in data-driven risk prediction. <i>Nano Today</i> , 2022 , 43, 101430	17.9	2
241	Synergetic effect of absorber and condenser nano-coating on evaporation and thermal performance of solar distillation unit for clean water production. <i>Solar Energy Materials and Solar Cells</i> , 2022 , 240, 111698	6.4	1
240	Using the Isalos platform to develop a (Q)SAR model that predicts metal oxide toxicity utilizing facet-based electronic, image analysis-based, and periodic table derived properties as descriptors. <i>Structural Chemistry</i> , 2022 , 33, 527-538	1.8	1
239	Influence of dissolution on the uptake of bimetallic nanoparticles Au@Ag-NPs in soil organism Eisenia fetida.. <i>Chemosphere</i> , 2022 , 302, 134909	8.4	0
238	Image Analysis and Deep Learning Web Services for Nano informatics 2021 , 547-564		
237	ELIXIR and Toxicology: a community in development. <i>F1000Research</i> , 2021 , 10, 1129	3.6	0

236	Incorporation of biogenic zinc nanoparticles in a polymeric membrane: Potential impact on the capture of organic herbicides. <i>Cleaner Engineering and Technology</i> , 2021 , 100339	2.7	0
235	Comparative evaluation of the mechanisms of toxicity of graphene oxide and graphene oxide quantum dots to blue-green algae <i>Microcystis aeruginosa</i> in the aquatic environment. <i>Journal of Hazardous Materials</i> , 2021 , 425, 127898	12.8	2
234	Mechanisms of Silver Nanoparticle Uptake by Embryonic Zebrafish Cells. <i>Nanomaterials</i> , 2021 , 11,	5.4	1
233	Stress Response and Nutrient Homeostasis in Lettuce (<i>Lactuca sativa</i>) Exposed to Graphene Quantum Dots Are Modulated by Particle Surface Functionalization. <i>Advanced Biology</i> , 2021 , 5, e2000778		4
232	Computational enrichment of physicochemical data for the development of a potential read-across predictive model with Isalos Analytics Platform.. <i>NanoImpact</i> , 2021 , 22, 100308	5.6	5
231	Multigenerational Exposure to Nano-TiO ₂ Induces Ageing as a Stress Response Mitigated by Environmental Interactions. <i>Advanced NanoBiomed Research</i> , 2021 , 1, 2000083	0	2
230	From water2me to water4all: Democratizing the discussion of global water futures through crowdsourcing of individual water values. <i>Hydrological Processes</i> , 2021 , 35, e14134	3.3	
229	Nanotechnology and artificial intelligence to enable sustainable and precision agriculture. <i>Nature Plants</i> , 2021 , 7, 864-876	11.5	24
228	Growing Rice () Aerobically Reduces Phytotoxicity, Uptake, and Transformation of CeO Nanoparticles. <i>Environmental Science & Technology</i> , 2021 , 55, 8654-8664	10.3	9
227	Environmental dimensions of the protein corona. <i>Nature Nanotechnology</i> , 2021 , 16, 617-629	28.7	40
226	An Untargeted Thermogravimetric Analysis-Fourier Transform Infrared-Gas Chromatography-Mass Spectrometry Approach for Plastic Polymer Identification. <i>Environmental Science & Technology</i> , 2021 , 55, 8721-8729	10.3	3
225	Blueprint for a self-sustained European Centre for service provision in safe and sustainable innovation for nanotechnology.. <i>NanoImpact</i> , 2021 , 23, 100337	5.6	1
224	Surface Functionalization of Graphene-Based Materials: Biological Behavior, Toxicology, and Safe-By-Design Aspects. <i>Advanced Biology</i> , 2021 , 5, e2100637		10
223	Nano and microplastic interactions with freshwater biota - Current knowledge, challenges and future solutions. <i>Environment International</i> , 2021 , 152, 106504	12.9	26
222	Detection limits are central to improve reporting standards when using Nile red for microplastic quantification. <i>Chemosphere</i> , 2021 , 263, 127953	8.4	24
221	A methodology for developing key events to advance nanomaterial-relevant adverse outcome pathways to inform risk assessment. <i>Nanotoxicology</i> , 2021 , 15, 289-310	5.3	14
220	Gathering at the top? Environmental controls of microplastic uptake and biomagnification in freshwater food webs. <i>Environmental Pollution</i> , 2021 , 268, 115750	9.3	22
219	Toxicity and chemical transformation of silver nanoparticles in A549 lung cells: dose-rate-dependent genotoxic impact. <i>Environmental Science: Nano</i> , 2021 , 8, 806-821	7.1	5

218	Cellular repair mechanisms triggered by exposure to silver nanoparticles and ionic silver in embryonic zebrafish cells. <i>Environmental Science: Nano</i> , 2021 , 8, 2507-2522	7.1	1
217	NanoSolveIT integration of tools for assessment of human and environmental exposure to nanomaterials 2021 , 81-120		0
216	Silver nanoparticle induced toxicity and cell death mechanisms in embryonic zebrafish cells. <i>Nanoscale</i> , 2021 , 13, 6142-6161	7.7	11
215	A case study of SARS-CoV-2 transmission behavior in a severely air-polluted city (Delhi, India) and the potential usage of graphene based materials for filtering air-pollutants and controlling/monitoring the COVID-19 pandemic. <i>Environmental Sciences: Processes and Impacts</i> , 2021 , 23, 923-946	4.3	3
214	Particle number-based trophic transfer of gold nanomaterials in an aquatic food chain. <i>Nature Communications</i> , 2021 , 12, 899	17.4	9
213	Manually curated transcriptomics data collection for toxicogenomic assessment of engineered nanomaterials. <i>Scientific Data</i> , 2021 , 8, 49	8.2	6
212	Advances in de Novo Drug Design: From Conventional to Machine Learning Methods. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	28
211	Toxicokinetics of silver nanoparticles in the mealworm <i>Tenebrio molitor</i> exposed via soil or food. <i>Science of the Total Environment</i> , 2021 , 777, 146071	10.2	9
210	Biotransformation modulates the penetration of metallic nanomaterials across an artificial blood-brain barrier model. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	5
209	Secondary transmission of SARS-CoV-2 through wastewater: Concerns and tactics for treatment to effectively control the pandemic. <i>Journal of Environmental Management</i> , 2021 , 290, 112668	7.9	16
208	Nanotoxicology and nanomedicine: The Yin and Yang of nano-bio interactions for the new decade. <i>Nano Today</i> , 2021 , 39, 101184	17.9	16
207	Sea-water desalination using a desalting unit integrated with a parabolic trough collector and activated carbon pellets as energy storage medium. <i>Desalination</i> , 2021 , 516, 115217	10.3	18
206	Ecotoxicological read-across models for predicting acute toxicity of freshly dispersed versus medium-aged NMs to <i>Daphnia magna</i> . <i>Chemosphere</i> , 2021 , 285, 131452	8.4	5
205	A critical review of the environmental impacts of manufactured nano-objects on earthworm species. <i>Environmental Pollution</i> , 2021 , 290, 118041	9.3	8
204	The analytical quest for sub-micron plastics in biological matrices. <i>Nano Today</i> , 2021 , 41, 101296	17.9	3
203	Prospects and challenges for FAIR toxicogenomics data.. <i>Nature Nanotechnology</i> , 2021 ,	28.7	3
202	Can an InChi for Nano Address the Need for a Simplified Representation of Complex Nanomaterials across Experimental and Nanoinformatics Studies?. <i>Nanomaterials</i> , 2020 , 10,	5.4	10
201	Citizen science reveals microplastic hotspots within tidal estuaries and the remote Scilly Islands, United Kingdom. <i>Marine Pollution Bulletin</i> , 2020 , 161, 111776	6.7	10

200	A Semi-Automated Workflow for FAIR Maturity Indicators in the Life Sciences. <i>Nanomaterials</i> , 2020 , 10,	5.4	9
199	Nanomaterial Transformation: Nanomaterial Transformation in the Soil-Plant System: Implications for Food Safety and Application in Agriculture (Small 21/2020). <i>Small</i> , 2020 , 16, 2070116	11	0
198	Development of Deep Learning Models for Predicting the Effects of Exposure to Engineered Nanomaterials on <i>Daphnia magna</i> . <i>Small</i> , 2020 , 16, e2001080	11	14
197	Zeta-Potential Read-Across Model Utilizing Nanodescriptors Extracted via the NanoXtract Image Analysis Tool Available on the Enalos Nanoinformatics Cloud Platform. <i>Small</i> , 2020 , 16, e1906588	11	21
196	NanoSolveIT Project: Driving nanoinformatics research to develop innovative and integrated tools for nanosafety assessment. <i>Computational and Structural Biotechnology Journal</i> , 2020 , 18, 583-602	6.8	41
195	Exposure medium and particle ageing moderate the toxicological effects of nanomaterials to <i>Daphnia magna</i> over multiple generations: a case for standard test review?. <i>Environmental Science: Nano</i> , 2020 , 7, 1136-1149	7.1	15
194	Fast and Robust Proteome Screening Platform Identifies Neutrophil Extracellular Trap Formation in the Lung in Response to Cobalt Ferrite Nanoparticles. <i>ACS Nano</i> , 2020 , 14, 4096-4110	16.7	6
193	Surface Chemistry-Dependent Evolution of the Nanomaterial Corona on TiO Nanomaterials Following Uptake and Sub-Cellular Localization. <i>Nanomaterials</i> , 2020 , 10,	5.4	8
192	Acute toxicity of Zinc Oxide nanoparticles to silkworm (<i>Bombyx mori</i> L.). <i>Chemosphere</i> , 2020 , 259, 127488.4	4	9
191	The rise of the nanomaterial metabolite corona, and emergence of the complete corona. <i>Environmental Science: Nano</i> , 2020 , 7, 1041-1060	7.1	24
190	Graphene Oxide-Induced pH Alteration, Iron Overload, and Subsequent Oxidative Damage in Rice (<i>L.</i>): A New Mechanism of Nanomaterial Phytotoxicity. <i>Environmental Science & Technology</i> , 2020 , 54, 3181-3190	10.3	20
189	Mechanisms for cellular uptake of nanosized clinical MRI contrast agents. <i>Nanotoxicology</i> , 2020 , 14, 504-532	11	11
188	The Nanomaterial Metabolite Corona Determined Using a Quantitative Metabolomics Approach: A Pilot Study. <i>Small</i> , 2020 , 16, e2000295	11	14
187	Multigenerational Exposures of <i>Daphnia Magna</i> to Pristine and Aged Silver Nanoparticles: Epigenetic Changes and Phenotypical Ageing Related Effects. <i>Small</i> , 2020 , 16, e2000301	11	13
186	Nanomaterial Transformation in the Soil-Plant System: Implications for Food Safety and Application in Agriculture. <i>Small</i> , 2020 , 16, e2000705	11	37
185	First In Vivo Evidence for Compromised Brain Energy Metabolism upon Intranasal Exposure to ZnO Nanoparticles. <i>Environmental Science and Technology Letters</i> , 2020 , 7, 315-322	11	5
184	Protein-Nanoparticle Interactions 2020 , 231-250		5
183	Maternal Responses and Adaptive Changes to Environmental Stress via Chronic Nanomaterial Exposure: Differences in Inter and Transgenerational Interclonal Broods of. <i>International Journal of Molecular Sciences</i> , 2020 , 22,	6.3	2

182	Air-Liquid Interface Exposure of Lung Epithelial Cells to Low Doses of Nanoparticles to Assess Pulmonary Adverse Effects. <i>Nanomaterials</i> , 2020 , 11,	5.4	17
181	Harmonizing across environmental nanomaterial testing media for increased comparability of nanomaterial datasets. <i>Environmental Science: Nano</i> , 2020 , 7, 13-36	7.1	23
180	Deciphering the particle specific effects on metabolism in rat liver and plasma from ZnO nanoparticles versus ionic Zn exposure. <i>Environment International</i> , 2020 , 136, 105437	12.9	14
179	Corona of Thorns: The Surface Chemistry-Mediated Protein Corona Perturbs the Recognition and Immune Response of Macrophages. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 1997-2008	9.5	50
178	Nanomaterials in the Environment Acquire an "Eco-Corona" Impacting their Toxicity to Daphnia Magna-a Call for Updating Toxicity Testing Policies. <i>Proteomics</i> , 2020 , 20, e1800412	4.8	44
177	Impact of AgS NPs on soil bacterial community - A terrestrial mesocosm approach. <i>Ecotoxicology and Environmental Safety</i> , 2020 , 206, 111405	7	7
176	Elucidating the origin of the surface functionalization - dependent bacterial toxicity of graphene nanomaterials: Oxidative damage, physical disruption, and cell autolysis. <i>Science of the Total Environment</i> , 2020 , 747, 141546	10.2	17
175	Intranasal exposure to ZnO nanoparticles induces alterations in cholinergic neurotransmission in rat brain. <i>Nano Today</i> , 2020 , 35, 100977	17.9	11
174	Toxicokinetics of pristine and aged silver nanoparticles in <i>Physa acuta</i> . <i>Environmental Science: Nano</i> , 2020 , 7, 3849-3868	7.1	8
173	Translating Scientific Advances in the AOP Framework to Decision Making for Nanomaterials. <i>Nanomaterials</i> , 2020 , 10,	5.4	18
172	Risk Governance of Emerging Technologies Demonstrated in Terms of its Applicability to Nanomaterials. <i>Small</i> , 2020 , 16, e2003303	11	14
171	The Crucial Role of Environmental Coronas in Determining the Biological Effects of Engineered Nanomaterials. <i>Small</i> , 2020 , 16, e2003691	11	28
170	Effect of the Albumin Corona on the Toxicity of Combined Graphene Oxide and Cadmium to and Integration of the Datasets into the NanoCommons Knowledge Base. <i>Nanomaterials</i> , 2020 , 10,	5.4	8
169	Predicting Cytotoxicity of Metal Oxide Nanoparticles using Isalos Analytics Platform. <i>Nanomaterials</i> , 2020 , 10,	5.4	20
168	Metadata Stewardship in Nanosafety Research: Community-Driven Organisation of Metadata Schemas to Support FAIR Nanoscience Data. <i>Nanomaterials</i> , 2020 , 10,	5.4	22
167	Mechanistic insights into toxicity pathways induced by nanomaterials in <i>Daphnia magna</i> from analysis of the composition of the acquired protein corona. <i>Environmental Science: Nano</i> , 2020 , 7, 3343-3359	7.1	10
166	Alleviation of nitrogen stress in rice (<i>Oryza sativa</i>) by ceria nanoparticles. <i>Environmental Science: Nano</i> , 2020 , 7, 2930-2940	7.1	19
165	Capillary Electrophoresis-Mass Spectrometry at Trial by Metabo-Ring: Effective Electrophoretic Mobility for Reproducible and Robust Compound Annotation. <i>Analytical Chemistry</i> , 2020 , 92, 14103-14112	7.8	18

164	Elucidating the mechanism of the surface functionalization dependent neurotoxicity of graphene family nanomaterials. <i>Nanoscale</i> , 2020 , 12, 18600-18605	7.7	11
163	Removal of contaminants from canal water using microwave synthesized zero valent iron nanoparticles. <i>Environmental Science: Water Research and Technology</i> , 2020 , 6, 3057-3065	4.2	8
162	Key principles and operational practices for improved nanotechnology environmental exposure assessment. <i>Nature Nanotechnology</i> , 2020 , 15, 731-742	28.7	34
161	Plant species-dependent transformation and translocation of ceria nanoparticles. <i>Environmental Science: Nano</i> , 2019 , 6, 60-67	7.1	32
160	A safe-by-design tool for functionalised nanomaterials through the Enalos Nanoinformatics Cloud platform. <i>Nanoscale Advances</i> , 2019 , 1, 706-718	5.1	24
159	Corona Isolation Method Matters: Capillary Electrophoresis Mass Spectrometry Based Comparison of Protein Corona Compositions Following On-Particle versus In-Solution or In-Gel Digestion. <i>Nanomaterials</i> , 2019 , 9,	5.4	22
158	Far-reaching effects from carbon nanotubes. <i>Nature Nanotechnology</i> , 2019 , 14, 639-640	28.7	4
157	Metabolomic method to detect a metabolite corona on amino-functionalized polystyrene nanoparticles. <i>Nanotoxicology</i> , 2019 , 13, 783-794	5.3	16
156	Core-Shell NaHoF@TiO NPs: A Labeling Method to Trace Engineered Nanomaterials of Ubiquitous Elements in the Environment. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 19452-19461	9.5	3
155	A high throughput imaging database of toxicological effects of nanomaterials tested on HepaRG cells. <i>Scientific Data</i> , 2019 , 6, 46	8.2	8
154	Bioaccumulation and toxic effects of nanoparticulate and ionic silver in <i>Saccostrea glomerata</i> (rock oyster). <i>Ecotoxicology and Environmental Safety</i> , 2019 , 179, 127-134	7	17
153	Particle toxicology and health - where are we?. <i>Particle and Fibre Toxicology</i> , 2019 , 16, 19	8.4	83
152	Silica Nanoparticle Synthesis and Multi-Method Characterisation. <i>Materials Science Forum</i> , 2019 , 947, 82-90	0.4	2
151	Best practice in reporting corona studies: Minimum information about Nanomaterial Biocorona Experiments (MINBE). <i>Nano Today</i> , 2019 , 28,	17.9	38
150	Physical and chemical transformations of zirconium doped ceria nanoparticles in the presence of phosphate: Increasing realism in environmental fate and behaviour experiments. <i>Environmental Pollution</i> , 2019 , 252, 974-981	9.3	6
149	Updating traditional regulatory tests for use with novel materials: Nanomaterial toxicity testing with <i>Daphnia magna</i> . <i>Safety Science</i> , 2019 , 118, 497-504	5.8	19
148	On the issue of transparency and reproducibility in nanomedicine. <i>Nature Nanotechnology</i> , 2019 , 14, 629-635	28.7	92
147	Simple yet effective modifications to the operation of the Sediment Microplastic Isolation unit to avoid polyvinyl chloride (PVC) contamination. <i>MethodsX</i> , 2019 , 6, 2656-2661	1.9	6

146	Large expert-curated database for benchmarking document similarity detection in biomedical literature search. <i>Database: the Journal of Biological Databases and Curation</i> , 2019 , 2019,	5	4
145	Refining in vitro models for nanomaterial exposure to cells and tissues. <i>NanoImpact</i> , 2018 , 10, 121-142	5.6	19
144	Inter-laboratory comparison of nanoparticle size measurements using dynamic light scattering and differential centrifugal sedimentation. <i>NanoImpact</i> , 2018 , 10, 97-107	5.6	41
143	Advanced tools for the safety assessment of nanomaterials. <i>Nature Nanotechnology</i> , 2018 , 13, 537-543	28.7	145
142	Current Application of Capillary Electrophoresis in Nanomaterial Characterisation and Its Potential to Characterise the Protein and Small Molecule Corona. <i>Nanomaterials</i> , 2018 , 8,	5.4	24
141	Characterization of Nanoparticle Batch-To-Batch Variability. <i>Nanomaterials</i> , 2018 , 8,	5.4	42
140	Expert perspectives on potential environmental risks from nanomedicines and adequacy of the current guideline on environmental risk assessment. <i>Environmental Science: Nano</i> , 2018 , 5, 1873-1889	7.1	20
139	Changing environments and biomolecule coronas: consequences and challenges for the design of environmentally acceptable engineered nanoparticles. <i>Green Chemistry</i> , 2018 , 20, 4133-4168	10	58
138	Uptake and impacts of polyvinylpyrrolidone (PVP) capped metal oxide nanoparticles on <i>Daphnia magna</i> : role of core composition and acquired corona. <i>Environmental Science: Nano</i> , 2018 , 5, 1745-1756	7.1	29
137	Microscopy-based high-throughput assays enable multi-parametric analysis to assess adverse effects of nanomaterials in various cell lines. <i>Archives of Toxicology</i> , 2018 , 92, 633-649	5.8	31
136	Abundance, Distribution, and Drivers of Microplastic Contamination in Urban River Environments. <i>Water (Switzerland)</i> , 2018 , 10, 1597	3	129
135	Differences in the toxicity of cerium dioxide nanomaterials after inhalation can be explained by lung deposition, animal species and nanoforms. <i>Inhalation Toxicology</i> , 2018 , 30, 273-286	2.7	17
134	A nanoinformatics decision support tool for the virtual screening of gold nanoparticle cellular association using protein corona fingerprints. <i>Nanotoxicology</i> , 2018 , 12, 1148-1165	5.3	29
133	The Biological Fate of Silver Nanoparticles from a Methodological Perspective. <i>Materials</i> , 2018 , 11,	3.5	8
132	Thermal transformations of manufactured nanomaterials as a proposed proxy for ageing. <i>Environmental Science: Nano</i> , 2018 , 5, 1618-1627	7.1	2
131	Multi-omics approaches confirm metal ions mediate the main toxicological pathways of metal-bearing nanoparticles in lung epithelial A549 cells. <i>Environmental Science: Nano</i> , 2018 , 5, 1506-1517	7.1	18
130	Development of scalable and versatile nanomaterial libraries for nanosafety studies: polyvinylpyrrolidone (PVP) capped metal oxide nanoparticles. <i>RSC Advances</i> , 2017 , 7, 3894-3906	3.7	17
129	Imaging In focus: Reflected light imaging: Techniques and applications. <i>International Journal of Biochemistry and Cell Biology</i> , 2017 , 83, 65-70	5.6	12

128	Connecting Together Nanocenters around the World. <i>ACS Nano</i> , 2017 , 11, 8531-8532	16.7	3
127	The effect of zirconium doping of cerium dioxide nanoparticles on pulmonary and cardiovascular toxicity and biodistribution in mice after inhalation. <i>Nanotoxicology</i> , 2017 , 11, 794-808	5.3	11
126	Strategy for Identification of Nanomaterials Critical Properties Linked to Biological Impacts: Interlinking of Experimental and Computational Approaches. <i>Challenges and Advances in Computational Chemistry and Physics</i> , 2017 , 385-424	0.7	4
125	Secreted protein eco-corona mediates uptake and impacts of polystyrene nanoparticles on <i>Daphnia magna</i> . <i>Journal of Proteomics</i> , 2016 , 137, 45-51	3.9	178
124	Unravelling Malaria Antigen Binding to Antibody-Gold Nanoparticle Conjugates. <i>Particle and Particle Systems Characterization</i> , 2016 , 33, 906-915	3.1	9
123	Nanoeducation for Industry and Society. <i>Innovation, Technology and Knowledge Management</i> , 2016 , 93-105		
122	Sensory systems and ionocytes are targets for silver nanoparticle effects in fish. <i>Nanotoxicology</i> , 2016 , 10, 1276-86	5.3	21
121	Long-term exposure of A549 cells to titanium dioxide nanoparticles induces DNA damage and sensitizes cells towards genotoxic agents. <i>Nanotoxicology</i> , 2016 , 10, 913-23	5.3	76
120	Long-term monitoring for nanomedicine implants and drugs. <i>Nature Nanotechnology</i> , 2016 , 11, 206-10	28.7	38
119	Modeling nanomaterial fate and uptake in the environment: current knowledge and future trends. <i>Environmental Science: Nano</i> , 2016 , 3, 323-345	7.1	86
118	Comparison of Confocal and Super-Resolution Reflectance Imaging of Metal Oxide Nanoparticles. <i>PLoS ONE</i> , 2016 , 11, e0159980	3.7	24
117	Nanomaterial Ontologies for Nanosafety: A Rose by any Other Name. <i>Journal of Nanomedicine Research</i> , 2016 , 3,	9	4
116	In Support of the Inclusion of Data on Nanomaterials Transformations and Environmental Interactions into Existing Regulatory Frameworks. <i>Innovation, Technology and Knowledge Management</i> , 2016 , 145-169	0.1	2
115	Shape and Charge of Gold Nanomaterials Influence Survivorship, Oxidative Stress and Moulting of <i>Daphnia magna</i> . <i>Nanomaterials</i> , 2016 , 6,	5.4	26
114	Water governance challenges presented by nanotechnologies: tracking, identifying and quantifying nanomaterials (the ultimate disparate source) in our waterways 2016 , 47, 552-568		4
113	Biological in situ characterization of polymeric microbubble contrast agents. <i>International Journal of Biochemistry and Cell Biology</i> , 2016 , 75, 232-43	5.6	8
112	How should the completeness and quality of curated nanomaterial data be evaluated?. <i>Nanoscale</i> , 2016 , 8, 9919-43	7.7	65
111	Towards a holistic environmental impact assessment of carbon nanotube growth through chemical vapour deposition. <i>Journal of Cleaner Production</i> , 2016 , 129, 384-394	10.3	26

110	'Bio-nano interactions: new tools, insights and impacts': summary of the Royal Society discussion meeting. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2015 , 370, 20140162	5.8	23
109	Neutral red retention time assay in determination of toxicity of nanoparticles. <i>Marine Environmental Research</i> , 2015 , 111, 158-61	3.3	15
108	Nanomaterial categorization for assessing risk potential to facilitate regulatory decision-making. <i>ACS Nano</i> , 2015 , 9, 3409-17	16.7	119
107	NANOSAFETY. How safe are nanomaterials?. <i>Science</i> , 2015 , 350, 388-9	33.3	148
106	A TEM protocol for quality assurance of in vitro cellular barrier models and its application to the assessment of nanoparticle transport mechanisms across barriers. <i>Analyst, The</i> , 2015 , 140, 83-97	5	42
105	Impact of storage conditions and storage time on silver nanoparticles' physicochemical properties and implications for their biological effects. <i>RSC Advances</i> , 2015 , 5, 84172-84185	3.7	73
104	Human plasma protein adsorption onto alumina nanoparticles relevant to orthopedic wear. <i>Journal of Applied Biomaterials and Functional Materials</i> , 2015 , 13, e145-55	1.8	4
103	Toxicity of copper oxide nanoparticles in the blue mussel, <i>Mytilus edulis</i> : a redox proteomic investigation. <i>Chemosphere</i> , 2014 , 108, 289-99	8.4	90
102	Paracrine signalling of inflammatory cytokines from an in vitro blood brain barrier model upon exposure to polymeric nanoparticles. <i>Analyst, The</i> , 2014 , 139, 923-30	5	32
101	A strategy for grouping of nanomaterials based on key physico-chemical descriptors as a basis for safer-by-design NMs. <i>Nano Today</i> , 2014 , 9, 266-270	17.9	143
100	Nanopesticides: guiding principles for regulatory evaluation of environmental risks. <i>Journal of Agricultural and Food Chemistry</i> , 2014 , 62, 4227-40	5.7	210
99	Macromolecular Coronas and Their Importance in Nanotoxicology and Nanoecotoxicology. <i>Frontiers of Nanoscience</i> , 2014 , 7, 127-156	0.7	32
98	Is the toxic potential of nanosilver dependent on its size?. <i>Particle and Fibre Toxicology</i> , 2014 , 11, 65	8.4	55
97	Protein corona affects the relaxivity and MRI contrast efficiency of magnetic nanoparticles. <i>Nanoscale</i> , 2013 , 5, 8656-65	7.7	82
96	The protein corona mediates the impact of nanomaterials and slows amyloid beta fibrillation. <i>ChemBioChem</i> , 2013 , 14, 568-72	3.8	44
95	Formation and characterization of the nanoparticle-protein corona. <i>Methods in Molecular Biology</i> , 2013 , 1025, 137-55	1.4	93
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