Eugenia Valsami-Jones

List of Publications by Citations

182 papers	8,696 citations	52 h-index	88 g-index
202 ext. papers	9,844 ext. citations	6.5 avg, IF	6.23 L-index

#	Paper	IF	Citations
182	The ecotoxicology of nanoparticles and nanomaterials: current status, knowledge gaps, challenges, and future needs. *Ecotoxicology*, **2008**, 17, 315-25	2.9	646
181	Phosphorus Recovery from Wastewater by Struvite Crystallization: A Review. *Critical Reviews in Environmental Science and Technology*, **2009**, 39, 433-477	11.1	480
180	The complexity of nanoparticle dissolution and its importance in nanotoxicological studies. *Science of the Total Environment*, **2012**, 438, 225-32	10.2	340
179	Lack of OH in nanocrystalline apatite as a function of degree of atomic order: implications for bone and biomaterials. *Biomaterials*, **2004**, 25, 229-38	15.6	306
178	Impact of calcium on struvite crystal size, shape and purity. *Journal of Crystal Growth*, **2005**, 283, 514-522	1.6	295
177	The dissolution of apatite in the presence of aqueous metal cations at pH 2. *Chemical Geology*, **1998**, 151, 215-233	4.2	214
176	Behavioural and biochemical responses of two marine invertebrates Scrobicularia plana and Hediste diversicolor to copper oxide nanoparticles. *Chemosphere*, **2011**, 84, 166-74	8.4	203
175	Bone and Tooth Mineralization: Why Apatite?. *Elements*, **2008**, 4, 97-104	3.8	201
174	Silver bioaccumulation dynamics in a freshwater invertebrate after aqueous and dietary exposures to nanosized and ionic Ag. *Environmental Science & Technology*, **2011**, 45, 6600-7	10.3	166
173	NANOSAFETY. How safe are nanomaterials?. *Science*, **2015**, 350, 388-9	33.3	148
172	Advanced tools for the safety assessment of nanomaterials. *Nature Nanotechnology*, **2018**, 13, 537-543	28.7	145
171	A strategy for grouping of nanomaterials based on key physico-chemical descriptors as a basis for safer-by-design NMs. *Nano Today*, **2014**, 9, 266-270	17.9	143
170	Cellular internalization of silver nanoparticles in gut epithelia of the estuarine polychaete Nereis diversicolor. *Environmental Science & Technology*, **2011**, 45, 4630-6	10.3	118
169	Bonemeal Additions as a Remediation Treatment for Metal Contaminated Soil. *Environmental Science & Technology*, **2000**, 34, 3501-3507	10.3	116
168	Arsenic pollution sources. *Reviews of Environmental Contamination and Toxicology*, **2008**, 197, 17-60	3.5	111
167	A marine mesocosm study on the environmental fate of silver nanoparticles and toxicity effects on two endobenthic species: the ragworm Hediste diversicolor and the bivalve mollusc Scrobicularia plana. *Science of the Total Environment*, **2014**, 470-471, 1151-9	10.2	109
166	Phosphate Mineral Reactivity and Global Sustainability. *Elements*, **2008**, 4, 83-87	3.8	103

165	A stable droplet reactor for high temperature nanocrystal synthesis. *Lab on A Chip*, **2011**, 11, 1221-7	7.2	97
164	A novel approach reveals that zinc oxide nanoparticles are bioavailable and toxic after dietary exposures. *Nanotoxicology*, **2011**, 5, 79-90	5.3	97
163	Climate Change and Biosphere Response: Unlocking the Collections Vault. *BioScience*, **2011**, 61, 147-153	5.7	92
162	Respiratory epithelial cytotoxicity and membrane damage (holes) caused by amine-modified nanoparticles. *Nanotoxicology*, **2012**, 6, 94-108	5.3	91
161	Agglomeration of struvite crystals. *Water Research*, **2007**, 41, 419-25	12.5	91
160	Use of bone meal amendments to immobilise Pb, Zn and Cd in soil: A leaching column study. *Environmental Pollution*, **2006**, 144, 816-25	9.3	90
159	Effect of bone meal (calcium phosphate) amendments on metal release from contaminated soils--a leaching column study. *Environmental Pollution*, **2001**, 112, 233-43	9.3	89
158	Size dependent bioaccumulation and ecotoxicity of gold nanoparticles in an endobenthic invertebrate: the Tellinid clam Scrobicularia plana. *Environmental Pollution*, **2012**, 168, 37-43	9.3	86
157	Structural and chemical changes of thermally treated bone apatite. *Journal of Materials Science*, **2007**, 42, 9807-9816	4.3	85
156	Mineralogical controls on phosphorus recovery from wastewaters. *Mineralogical Magazine*, **2001**, 65, 611-620	1.7	84
155	Isotopically modified nanoparticles for enhanced detection in bioaccumulation studies. *Environmental Science & Technology*, **2012**, 46, 1216-22	10.3	81
154	Toxic effects and bioaccumulation of nano-, micron- and ionic-Ag in the polychaete, Nereis diversicolor. *Aquatic Toxicology*, **2011**, 105, 403-11	5.1	81
153	Bioaccumulation and toxicity of CuO nanoparticles by a freshwater invertebrate after waterborne and dietborne exposures. *Environmental Science & Technology*, **2014**, 48, 10929-37	10.3	76
152	The effect of organic ligands on the crystallinity of calcium phosphate. *Journal of Crystal Growth*, **2003**, 249, 572-583	1.6	74
151	Role of the crystalline form of titanium dioxide nanoparticles: Rutile, and not anatase, induces toxic effects in Balb/3T3 mouse fibroblasts. *Toxicology in Vitro*, **2016**, 31, 137-45	3.6	73
150	Remediation Technologies for Arsenic Contaminated Drinking Waters (9 pp). *Journal of Soils and Sediments*, **2005**, 5, 182-190	3.4	73
149	The application of calcium phosphate precipitation chemistry to phosphorus recovery: the influence of organic ligands. *Environmental Technology (United Kingdom)*, **2001**, 22, 1325-35	2.6	71
148	Accumulation dynamics and acute toxicity of silver nanoparticles to Daphnia magna and Lumbriculus variegatus: implications for metal modeling approaches. *Environmental Science & Technology*, **2015**, 49, 4389-97	10.3	68

147	The dissolution rates of SiO2 nanoparticles as a function of particle size. *Environmental Science & Technology*, **2012**, 46, 4909-15	10.3	68
146	Bioaccumulation dynamics and modeling in an estuarine invertebrate following aqueous exposure to nanosized and dissolved silver. *Environmental Science & Technology*, **2012**, 46, 7621-8	10.3	68
145	Effects of sediment-associated copper to the deposit-feeding snail, Potamopyrgus antipodarum: a comparison of Cu added in aqueous form or as nano- and micro-CuO particles. *Aquatic Toxicology*, **2012**, 106-107, 114-22	5.1	67
144	Fate and effects of metal-based nanoparticles in two marine invertebrates, the bivalve mollusc Scrobicularia plana and the annelid polychaete Hediste diversicolor. *Environmental Science and Pollution Research*, **2014**, 21, 7899-912	5.1	66
143	Biochemical and behavioural responses of the endobenthic bivalve Scrobicularia plana to silver nanoparticles in seawater and microalgal food. *Ecotoxicology and Environmental Safety*, **2013**, 89, 117-24	7	66
142	Synthesis of isotopically modified ZnO nanoparticles and their potential as nanotoxicity tracers. *Environmental Pollution*, **2011**, 159, 266-273	9.3	62
141	Tracing bioavailability of ZnO nanoparticles using stable isotope labeling. *Environmental Science & Technology*, **2012**, 46, 12137-45	10.3	61
140	Cytotoxicity and cellular mechanisms of toxicity of CuO NPs in mussel cells in vitro and comparative sensitivity with human cells. *Toxicology in Vitro*, **2018**, 48, 146-158	3.6	60
139	Fate of isotopically labeled zinc oxide nanoparticles in sediment and effects on two endobenthic species, the clam Scrobicularia plana and the ragworm Hediste diversicolor. *Ecotoxicology and Environmental Safety*, **2012**, 84, 191-8	7	60
138	Comparative study using spheres, rods and spindle-shaped nanoplatelets on dispersion stability, dissolution and toxicity of CuO nanomaterials. *Nanotoxicology*, **2014**, 8, 422-32	5.3	59
137	An evaluation of the reactivity of synthetic and natural apatites in the presence of aqueous metals. *Science of the Total Environment*, **2009**, 407, 2953-65	10.2	59
136	Struvite crystallisation and recovery using a stainless steel structure as a seed material. *Water Research*, **2007**, 41, 2449-56	12.5	59
135	The role of hydrogen bonding in the thermal expansion and dehydration of brushite, di-calcium phosphate dihydrate. *Physics and Chemistry of Minerals*, **2004**, 31, 606-624	1.6	57
134	The role of heterotrophic bacteria in feldspar dissolution an experimental approach. *Mineralogical Magazine*, **2003**, 67, 1157-1170	1.7	57
133	Toxicity and bioaccumulation of sediment-associated silver nanoparticles in the estuarine polychaete, Nereis (Hediste) diversicolor. *Aquatic Toxicology*, **2014**, 156, 106-15	5.1	54
132	Comparative toxicity of metal oxide nanoparticles (CuO, ZnO and TiO2) to developing zebrafish embryos. *Journal of Nanoparticle Research*, **2014**, 16, 1	2.3	54
131	In vivo retention of ingested Au NPs by Daphnia magna: no evidence for trans-epithelial alimentary uptake. *Chemosphere*, **2014**, 100, 97-104	8.4	53
130	Multiple cytotoxic and genotoxic effects induced in vitro by differently shaped copper oxide nanomaterials. *Mutagenesis*, **2013**, 28, 287-99	2.8	51

129	Biochemical and behavioural responses of the marine polychaete Hediste diversicolor to cadmium sulfide quantum dots (CdS QDs): waterborne and dietary exposure. *Chemosphere*, **2014**, 100, 63-70	8.4	49
128	Impact of reactor operation on success of struvite precipitation from synthetic liquors. *Environmental Technology (United Kingdom)*, **2007**, 28, 1245-56	2.6	49
127	The geochemistry of fluids from an active shallow submarine hydrothermal system: Milos island, Hellenic Volcanic Arc. *Journal of Volcanology and Geothermal Research*, **2005**, 148, 130-151	2.8	49
126	Impact of surface coating and environmental conditions on the fate and transport of silver nanoparticles in the aquatic environment. *Science of the Total Environment*, **2016**, 568, 95-106	10.2	48
125	Electrophoretic deposition of ZnO/alginate and ZnO-bioactive glass/alginate composite coatings for antimicrobial applications. *Materials Science and Engineering C*, **2015**, 55, 137-44	8.3	48
124	Electrophoretic deposition of organic/inorganic composite coatings containing ZnO nanoparticles exhibiting antibacterial properties. *Materials Science and Engineering C*, **2017**, 77, 780-789	8.3	46
123	Earthworm Uptake Routes and Rates of Ionic Zn and ZnO Nanoparticles at Realistic Concentrations, Traced Using Stable Isotope Labeling. *Environmental Science & Technology*, **2016**, 50, 412-9	10.3	46
122	Aneuploidogenic effects and DNA oxidation induced in vitro by differently sized gold nanoparticles. *International Journal of Nanomedicine*, **2014**, 9, 2191-204	7.3	46
121	Cytotoxicity of Au, ZnO and SiO□NPs using in vitro assays with mussel hemocytes and gill cells: Relevance of size, shape and additives. *Nanotoxicology*, **2016**, 10, 185-93	5.3	43
120	A mesocosm study of fate and effects of CuO nanoparticles on endobenthic species (Scrobicularia plana, Hediste diversicolor). *Environmental Science & Technology*, **2013**, 47, 1620-8	10.3	43
119	Characterization of Nanoparticle Batch-To-Batch Variability. *Nanomaterials*, **2018**, 8,	5.4	42
118	NanoSolveIT Project: Driving nanoinformatics research to develop innovative and integrated tools for nanosafety assessment. *Computational and Structural Biotechnology Journal*, **2020**, 18, 583-602	6.8	41
117	An investigation into arsenic(V) removal from aqueous solutions by hydroxylapatite and bone-char. *Mineralogical Magazine*, **2005**, 69, 769-780	1.7	40
116	The integrated biomarker response: a suitable tool to evaluate toxicity of metal-based nanoparticles. *Nanotoxicology*, **2017**, 11, 1-6	5.3	39
115	Cytotoxicity of TiO2 nanoparticles to mussel hemocytes and gill cells in vitro: Influence of synthesis method, crystalline structure, size and additive. *Nanotoxicology*, **2015**, 9, 543-53	5.3	39
114	Inhibition of potential uptake pathways for silver nanoparticles in the estuarine snail Peringia ulvae. *Nanotoxicology*, **2015**, 9, 493-501	5.3	39
113	Stable isotope tracer to determine uptake and efflux dynamics of ZnO Nano- and bulk particles and dissolved Zn to an estuarine snail. *Environmental Science & Technology*, **2013**, 47, 8532-9	10.3	39
112	Toxicity and accumulation of silver nanoparticles during development of the marine polychaete Platynereis dumerilii. *Science of the Total Environment*, **2014**, 476-477, 688-95	10.2	38

111	An atomic force microscopy study of the dissolution of calcite in the presence of phosphate ions. *Geochimica Et Cosmochimica Acta*, **2013**, 117, 115-128	5.5	37
110	Seasonal variability of natural water chemistry affects the fate and behaviour of silver nanoparticles. *Chemosphere*, **2018**, 191, 616-625	8.4	36
109	Isotopically modified silver nanoparticles to assess nanosilver bioavailability and toxicity at environmentally relevant exposures. *Environmental Chemistry*, **2014**, 11, 247	3.2	36
108	Characterization and identification of mixed-metal phosphates in soils: the application of Raman spectroscopy. *Mineralogical Magazine*, **2003**, 67, 1299-1316	1.7	36
107	Evaluation of topically applied copper(II) oxide nanoparticle cytotoxicity in human skin organ culture. *Toxicology in Vitro*, **2013**, 27, 292-8	3.6	34
106	Elucidation of toxicity pathways in lung epithelial cells induced by silicon dioxide nanoparticles. *PLoS ONE*, **2013**, 8, e72363	3.7	34
105	An Experimental Investigation of the Effect of Bacillus megaterium on Apatite Dissolution. *Geomicrobiology Journal*, **2006**, 23, 177-182	2.5	34
104	Plant species-dependent transformation and translocation of ceria nanoparticles. *Environmental Science: Nano*, **2019**, 6, 60-67	7.1	32
103	Bioaccumulation and effects of different-shaped copper oxide nanoparticles in the deposit-feeding snail Potamopyrgus antipodarum. *Environmental Toxicology and Chemistry*, **2014**, 33, 1976-87	3.8	32
102	Multi-walled carbon nanotube length as a critical determinant of bioreactivity with primary human pulmonary alveolar cells. *Carbon*, **2014**, 78, 26-37	10.4	32
101	Macromolecular Coronas and Their Importance in Nanotoxicology and Nanoecotoxicology. *Frontiers of Nanoscience*, **2014**, 7, 127-156	0.7	32
100	Microscopy-based high-throughput assays enable multi-parametric analysis to assess adverse effects of nanomaterials in various cell lines. *Archives of Toxicology*, **2018**, 92, 633-649	5.8	31
99	Kinetics of struvite precipitation: effect of the magnesium dose on induction times and precipitation rates. *Environmental Technology (United Kingdom)*, **2007**, 28, 1317-24	2.6	30
98	Uptake and impacts of polyvinylpyrrolidone (PVP) capped metal oxide nanoparticles on Daphnia magna: role of core composition and acquired corona. *Environmental Science: Nano*, **2018**, 5, 1745-1756	7.1	29
97	A nanoinformatics decision support tool for the virtual screening of gold nanoparticle cellular association using protein corona fingerprints. *Nanotoxicology*, **2018**, 12, 1148-1165	5.3	29
96	Subcellular localization of gold nanoparticles in the estuarine bivalve Scrobicularia plana after exposure through the water. *Gold Bulletin*, **2013**, 46, 47-56	1.6	27
95	Mechanisms of Iron Uptake from Ferric Phosphate Nanoparticles in Human Intestinal Caco-2 Cells. *Nutrients*, **2017**, 9,	6.7	26
94	Shape and Charge of Gold Nanomaterials Influence Survivorship, Oxidative Stress and Moulting of Daphnia magna. *Nanomaterials*, **2016**, 6,	5.4	26

93	A safe-by-design tool for functionalised nanomaterials through the Enalos Nanoinformatics Cloud platform. *Nanoscale Advances*, **2019**, 1, 706-718	5.1	24
92	Current Application of Capillary Electrophoresis in Nanomaterial Characterisation and Its Potential to Characterise the Protein and Small Molecule Corona. *Nanomaterials*, **2018**, 8,	5.4	24
91	A novel method for sampling bacteria on plant root and soil surfaces at the microhabitat scale. *Journal of Microbiological Methods*, **2008**, 75, 12-8	2.8	24
90	Phosphate mineral reactivity: from global cycles to sustainable development. *Mineralogical Magazine*, **2008**, 72, 337-340	1.7	24
89	Cerium oxide nanoparticles induce oxidative stress in the sediment-dwelling amphipod Corophium volutator. *Nanotoxicology*, **2016**, 10, 480-7	5.3	23
88	Field trial using bone meal amendments to remediate mine waste derived soil contaminated with zinc, lead and cadmium. *Applied Geochemistry*, **2008**, 23, 2414-2424	3.5	23
87	Bioaccumulation, toxicokinetics, and effects of copper from sediment spiked with aqueous Cu, nano-CuO, or micro-CuO in the deposit-feeding snail, Potamopyrgus antipodarum. *Environmental Toxicology and Chemistry*, **2013**, 32, 1561-73	3.8	22
86	Impact of particle size, oxidation state and capping agent of different cerium dioxide nanoparticles on the phosphate-induced transformations at different pH and concentration. *PLoS ONE*, **2019**, 14, e0217483	3.7	21
85	Zeta-Potential Read-Across Model Utilizing Nanodescriptors Extracted via the NanoXtract Image Analysis Tool Available on the Enalos Nanoinformatics Cloud Platform. *Small*, **2020**, 16, e1906588	11	21
84	Remediation strategies for historical mining and smelting sites. *Science Progress*, **2006**, 89, 71-138	1.1	21
83	A new terrestrial active mineralizing hydrothermal system associated with ore-bearing travertines in Greece (northern Euboea Island and Sperchios area). *Journal of Geochemical Exploration*, **2017**, 179, 9-24	3.8	20
82	Graphene Oxide-Induced pH Alteration, Iron Overload, and Subsequent Oxidative Damage in Rice (L.): A New Mechanism of Nanomaterial Phytotoxicity. *Environmental Science & Technology*, **2020**, 54, 3181-3190	10.3	20
81	Synthesis and characterization of isotopically labeled silver nanoparticles for tracing studies. *Environmental Science: Nano*, **2014**, 1, 271-283	7.1	20
80	Predicting Cytotoxicity of Metal Oxide Nanoparticles using Isalos Analytics Platform. *Nanomaterials* , **2020**, 10,	5.4	20
79	Dispersion of Nanomaterials in Aqueous Media: Towards Protocol Optimization. *Journal of Visualized Experiments*, **2017**,	1.6	19
78	Stable isotope labeling of metal/metal oxide nanomaterials for environmental and biological tracing. *Nature Protocols*, **2019**, 14, 2878-2899	18.8	18
77	Time-resolved toxicity study reveals the dynamic interactions between uncoated silver nanoparticles and bacteria. *Nanotoxicology*, **2017**, 11, 637-646	5.3	17
76	Development of scalable and versatile nanomaterial libraries for nanosafety studies: polyvinylpyrrolidone (PVP) capped metal oxide nanoparticles. *RSC Advances*, **2017**, 7, 3894-3906	3.7	17

75	Bioaccumulation and toxic effects of nanoparticulate and ionic silver in Saccostrea glomerata (rock oyster). *Ecotoxicology and Environmental Safety*, **2019**, 179, 127-134	7	17
74	Air-Liquid Interface Exposure of Lung Epithelial Cells to Low Doses of Nanoparticles to Assess Pulmonary Adverse Effects. *Nanomaterials*, **2020**, 11,	5.4	17
73	New boron isotopic evidence for sedimentary and magmatic fluid influence in the shallow hydrothermal vent system of Milos Island (Aegean Sea, Greece). *Journal of Volcanology and Geothermal Research*, **2016**, 310, 58-71	2.8	17
72	Bioaccumulation, tissue and cell distribution, biomarkers and toxicopathic effects of CdS quantum dots in mussels, Mytilus galloprovincialis. *Ecotoxicology and Environmental Safety*, **2019**, 167, 288-300	7	16
71	Dioxins as potential risk factors for autism spectrum disorder. *Environment International*, **2018**, 121, 906-915	12.9	16
70	Role of Humic Acid in the Stability of Ag Nanoparticles in Suboxic Conditions. *Environmental Science & Technology*, **2017**, 51, 6063-6070	10.3	15
69	Cadmium sulfide quantum dots induce oxidative stress and behavioral impairments in the marine clam Scrobicularia plana. *Environmental Toxicology and Chemistry*, **2015**, 34, 1659-64	3.8	15
68	Exposure medium and particle ageing moderate the toxicological effects of nanomaterials to Daphnia magna over multiple generations: a case for standard test review?. *Environmental Science: Nano*, **2020**, 7, 1136-1149	7.1	15
67	Linking rhizoplane pH and bacterial density at the microhabitat scale. *Journal of Microbiological Methods*, **2009**, 76, 101-4	2.8	15
66	Characterisation of carbon nanotubes in the context of toxicity studies. *Environmental Health*, **2009** , 8 Suppl 1, S3	6	15
65	Operationally defined associations of arsenic and copper from soil and mine waste in south-west England. *Chemical Speciation and Bioavailability*, **2005**, 17, 147-160		14
64	Deciphering the particle specific effects on metabolism in rat liver and plasma from ZnO nanoparticles versus ionic Zn exposure. *Environment International*, **2020**, 136, 105437	12.9	14
63	Internalization and toxicological mechanisms of uncoated and PVP-coated cerium oxide nanoparticles in the freshwater alga Chlamydomonas reinhardtii. *Environmental Science: Nano*, **2019**, 6, 1959-1972	7.1	13
62	Effectiveness of different biochar in aqueous zinc removal: Correlation with physicochemical characteristics. *Bioresource Technology Reports*, **2020**, 11, 100466	4.1	13
61	Multigenerational Exposures of Daphnia Magna to Pristine and Aged Silver Nanoparticles: Epigenetic Changes and Phenotypical Ageing Related Effects. *Small*, **2020**, 16, e2000301	11	13
60	Colloidal stability of nanoparticles derived from simulated cloud-processed mineral dusts. *Science of the Total Environment*, **2014**, 466-467, 864-70	10.2	13
59	Crystallinity depends on choice of iron salt precursor in the continuous hydrothermal synthesis of Fe□o oxide nanoparticles. *RSC Advances*, **2017**, 7, 37436-37440	3.7	13
58	Nano-titanium dioxide bioreactivity with human alveolar type-I-like epithelial cells: Investigating crystalline phase as a critical determinant. *Nanotoxicology*, **2015**, 9, 482-92	5.3	11

57	The effect of zirconium doping of cerium dioxide nanoparticles on pulmonary and cardiovascular toxicity and biodistribution in mice after inhalation. *Nanotoxicology*, **2017**, 11, 794-808	5.3	11
56	The Vani manganese deposit, Milos island, Greece: A fossil stratabound MnBaPbZnAsSbW-rich hydrothermal deposit. *Developments in Volcanology*, **2005**, 255-291		11
55	Intranasal exposure to ZnO nanoparticles induces alterations in cholinergic neurotransmission in rat brain. *Nano Today*, **2020**, 35, 100977	17.9	11
54	Elucidating the mechanism of the surface functionalization dependent neurotoxicity of graphene family nanomaterials. *Nanoscale*, **2020**, 12, 18600-18605	7.7	11
53	New, rapid method to measure dissolved silver concentration in silver nanoparticle suspensions by aggregation combined with centrifugation. *Journal of Nanoparticle Research*, **2016**, 18, 259	2.3	11
52	Silver nanoparticle induced toxicity and cell death mechanisms in embryonic zebrafish cells. *Nanoscale*, **2021**, 13, 6142-6161	7.7	11
51	Br/Cl and I/Cl systematics in the shallow-water hydrothermal system at Milos Island, Hellenic Arc. *Marine Chemistry*, **2012**, 140-141, 33-43	3.7	10
50	Trace metal distribution in the bed, bank and suspended sediment of the Ravensbourne River and its implication for sediment monitoring in an urban river. *Journal of Soils and Sediments*, **2019**, 19, 946-963	3.4	9
49	Dietary bioavailability of cadmium presented to the gastropod Peringia ulvae as quantum dots and in ionic form. *Environmental Toxicology and Chemistry*, **2013**, 32, 2621-9	3.8	9
48	Growing Rice () Aerobically Reduces Phytotoxicity, Uptake, and Transformation of CeO Nanoparticles. *Environmental Science & Technology*, **2021**, 55, 8654-8664	10.3	9
47	Particle number-based trophic transfer of gold nanomaterials in an aquatic food chain. *Nature Communications*, **2021**, 12, 899	17.4	9
46	A high throughput imaging database of toxicological effects of nanomaterials tested on HepaRG cells. *Scientific Data*, **2019**, 6, 46	8.2	8
45	Two-cells phase separation in shallow submarine hydrothermal system at Milos Island, Greece: Boron isotopic evidence. *Geophysical Research Letters*, **2011**, 38, n/a-n/a	4.9	8
44	Nanomaterial synthesis and characterization for toxicological studies: TiO2 case study. *Mineralogical Magazine*, **2008**, 72, 515-519	1.7	8
43	Trophic transfer of CuO NPs from sediment to worms (Tubifex tubifex) to fish (Gasterosteus aculeatus): a comparative study of dissolved Cu and NPs enriched with a stable isotope tracer (65Cu). *Environmental Science: Nano*, **2020**, 7, 2360-2372	7.1	7
42	A Dose Metrics Perspective on the Association of Gold Nanomaterials with Algal Cells. *Environmental Science and Technology Letters*, **2019**, 6, 732-738	11	7
41	Physical and chemical transformations of zirconium doped ceria nanoparticles in the presence of phosphate: Increasing realism in environmental fate and behaviour experiments. *Environmental Pollution*, **2019**, 252, 974-981	9.3	6
40	A New Occurrence of Terrestrial Native Iron in the Earth's Surface: The Ilia Thermogenic Travertine Case, Northwestern Euboea, Greece. *Geosciences (Switzerland)*, **2018**, 8, 287	2.7	6

39	Simulations of morphological transformation in silver nanoparticles as a tool for assessing their reactivity and potential toxicity. *NanoImpact*, **2019**, 14, 100147	5.6	5
38	Overview of Environmental Nanoscience. *Frontiers of Nanoscience*, **2014**, 7, 1-54	0.7	5
37	Accurate Phase Quantification of Mineral Matter in Bulk Lignite Samples from Western Peloponnese (Greece). *Energy & Fuels*, **2004**, 18, 547-559	4.1	5
36	Arsenian Pyrite and Cinnabar from Active Submarine Nearshore Vents, Paleochori Bay, Milos Island, Greece. *Minerals (Basel, Switzerland)*, **2021**, 11, 14	2.4	5
35	Computational enrichment of physicochemical data for the development of a potential read-across predictive model with Isalos Analytics Platform.. *NanoImpact*, **2021**, 22, 100308	5.6	5
34	Dietary uptake and effects of copper in Sticklebacks at environmentally relevant exposures utilizing stable isotope-labeled CuCl and CuO NPs. *Science of the Total Environment*, **2021**, 757, 143779	10.2	5
33	Toxicity and chemical transformation of silver nanoparticles in A549 lung cells: dose-rate-dependent genotoxic impact. *Environmental Science: Nano*, **2021**, 8, 806-821	7.1	5
32	Biotransformation modulates the penetration of metallic nanomaterials across an artificial blood-brain barrier model. *Proceedings of the National Academy of Sciences of the United States of America*, **2021**, 118,	11.5	5
31	Flooding with constraints: water meadow irrigation impacts on temperature, oxygen, phosphorus and sediment in water returned to a river. *Journal of Flood Risk Management*, **2017**, 10, 463-473	3.1	4
30	Nanomaterial Ontologies for Nanosafety: A Rose by any Other Name. *Journal of Nanomedicine Research*, **2016**, 3,	9	4
29	Strategy for Identification of Nanomaterials Critical Properties Linked to Biological Impacts: Interlinking of Experimental and Computational Approaches. *Challenges and Advances in Computational Chemistry and Physics*, **2017**, 385-424	0.7	4
28	Environmental context determines the impact of titanium oxide and silver nanoparticles on the functioning of intertidal microalgal biofilms. *Environmental Science: Nano*, **2020**, 7, 3020-3035	7.1	4
27	Greco-Roman mineral (litho)therapeutics and their relationship to their microbiome: The case of the red pigment. *Journal of Archaeological Science: Reports*, **2018**, 22, 179-192	0.7	4
26	Synthesis and characterization of Zr- and Hf-doped nano-TiO as internal standards for analytical quantification of nanomaterials in complex matrices. *Royal Society Open Science*, **2018**, 5, 171884	3.3	4
25	Core-Shell NaHoF@TiO NPs: A Labeling Method to Trace Engineered Nanomaterials of Ubiquitous Elements in the Environment. *ACS Applied Materials & Interfaces*, **2019**, 11, 19452-19461	9.5	3
24	Surface functionalisation-dependent adverse effects of metal nanoparticles and nanoplastics in zebrafish embryos. *Environmental Science: Nano*,	7.1	3
23	An Untargeted Thermogravimetric Analysis-Fourier Transform Infrared-Gas Chromatography-Mass Spectrometry Approach for Plastic Polymer Identification. *Environmental Science & Technology*, **2021**, 55, 8721-8729	10.3	3
22	The analytical quest for sub-micron plastics in biological matrices. *Nano Today*, **2021**, 41, 101296	17.9	3

21	Silica Nanoparticle Synthesis and Multi-Method Characterisation. *Materials Science Forum*, **2019**, 947, 82-90	0.4	2
20	Engineered nanoselenium supplemented fish diet: toxicity comparison with ionic selenium and stability against particle dissolution, aggregation and release. *Environmental Science: Nano*, **2020**, 7, 2325-2336	7.1	2
19	The interweaving roles of mineral and microbiome in shaping the antibacterial activity of archaeological medicinal clays. *Journal of Ethnopharmacology*, **2020**, 260, 112894	5	2
18	On the transformation mechanism of polyethylene glycol- and citrate-coated silver nanocolloids under sunlight exposure. *Journal of Nanoparticle Research*, **2019**, 21, 1	2.3	2
17	Chapter 4:Nanotoxicity: Are We Confident for Modelling? An Experimentalist Point of View. *RSC Nanoscience and Nanotechnology*, **2012**, 54-68		2
16	Metal phosphates and remediation of contaminated land **2000**,		2
15	Multigenerational Exposure to Nano-TiO2 Induces Ageing as a Stress Response Mitigated by Environmental Interactions. *Advanced NanoBiomed Research*, **2021**, 1, 2000083	0	2
14	The stochastic association of nanoparticles with algae at the cellular level: Effects of NOM, particle size and particle shape. *Ecotoxicology and Environmental Safety*, **2021**, 218, 112280	7	2
13	Thermal transformations of manufactured nanomaterials as a proposed proxy for ageing. *Environmental Science: Nano*, **2018**, 5, 1618-1627	7.1	2
12	Facile Method to Prepare pH-Sensitive PEI-Functionalized Carbon Nanotubes as Rationally Designed Vehicles for Non-Steroidal Anti-Inflammatory Drugs (NSAIDs) Delivery. *Journal of Carbon Research*, **2020**, 6, 62	3.3	1
11	Phosphorus in Environmental Technology: Principles and Applications. *Water Intelligence Online*, **2015**, 4, 9781780402758-9781780402758		1
10	Mechanisms of Silver Nanoparticle Uptake by Embryonic Zebrafish Cells. *Nanomaterials*, **2021**, 11,	5.4	1
9	Experimental Evolution of Pseudomonas putida under Silver Ion versus Nanoparticle Stress		1
8	Cellular repair mechanisms triggered by exposure to silver nanoparticles and ionic silver in embryonic zebrafish cells. *Environmental Science: Nano*, **2021**, 8, 2507-2522	7.1	1
7	From small to clever: What does the future hold for the safety and sustainability of advanced materials?. *Nano Today*, **2022**, 42, 101364	17.9	0
6	Safe by Design for Nanomaterials Late Lessons from Early Warnings for Sustainable Innovation. *NanoEthics*, **2021**, 15, 99-103	1	0
5	Environmental Mineralogy: introduction to a thematic set of papers arising out of sessions held at IMA 2002, Edinburgh, UK. *Mineralogical Magazine*, **2003**, 67, 1123-1125	1.7	
4	Engineered Nanomaterials287-318		

3 Biominerals **2021**, 517-519

2 Phosphates **2021**, 422-427

1 Scanning transmission X-ray microscopy study of subcellular granules in human platelets at the carbon K- and calcium L2,3-edges.. *Platelets*, **2021**, 1-8 3.6