Eugenia Valsami-Jones

List of Publications by Year
in descending order

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193 papers	10,907 citations	24978 57 h-index	35952 97 g-index
202 all docs	202 docs citations	202 times ranked	13034 citing authors

#	Article	IF	Citations
1	The ecotoxicology of nanoparticles and nanomaterials: current status, knowledge gaps, challenges, and future needs. Ecotoxicology, 2008, 17, 315-325.	1.1	746
2	Phosphorus Recovery from Wastewater by Struvite Crystallization: A Review. Critical Reviews in Environmental Science and Technology, 2009, 39, 433-477.	6.6	617
3	The complexity of nanoparticle dissolution and its importance in nanotoxicological studies. Science of the Total Environment, 2012, 438, 225-232.	3.9	413
4	Impact of calcium on struvite crystal size, shape and purity. Journal of Crystal Growth, 2005, 283, 514-522.	0.7	347
5	Lack of OH in nanocrystalline apatite as a function of degree of atomic order: implications for bone and biomaterials. Biomaterials, 2004, 25, 229-238.	5.7	333
6	The dissolution of apatite in the presence of aqueous metal cations at pH 2â€“7. Chemical Geology, 1998, 151, 215-233.	1.4	243
7	Bone and Tooth Mineralization: Why Apatite?. Elements, 2008, 4, 97-104.	0.5	234
8	Behavioural and biochemical responses of two marine invertebrates Scrobicularia plana and Hediste diversicolor to copper oxide nanoparticles. Chemosphere, 2011, 84, 166-174.	4.2	231
9	Advanced tools for the safety assessment of nanomaterials. Nature Nanotechnology, 2018, 13, 537-543.	15.6	214
10	How safe are nanomaterials?. Science, 2015, 350, 388-389.	6.0	190
11	Silver Bioaccumulation Dynamics in a Freshwater Invertebrate after Aqueous and Dietary Exposures to Nanosized and Ionic Ag. Environmental Science & Technology, 2011, 45, 6600-6607.	4.6	188
12	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.	6.2	164
13	Arsenic Pollution Sources. Reviews of Environmental Contamination and Toxicology, 2009, 197, 17-60.	0.7	159
14	Phosphate Mineral Reactivity and Global Sustainability. Elements, 2008, 4, 83-87.	0.5	138
15	Bonemeal Additions as a Remediation Treatment for Metal Contaminated Soil. Environmental Science & Technology, 2000, 34, 3501-3507.	4.6	132
16	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, 1151-1159.	3.9	132
17	Cellular Internalization of Silver Nanoparticles in Gut Epithelia of the Estuarine Polychaete Nereis diversicolor. Environmental Science & Technology, 2011, 45, 4630-4636.	4.6	125
18	Respiratory epithelial cytotoxicity and membrane damage (holes) caused by amine-modified nanoparticles. Nanotoxicology, 2012, 6, 94-108.	1.6	112

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19	Climate Change and Biosphere Response: Unlocking the Collections Vault. BioScience, 2011, 61, 147-153.	2.2	111
20	Structural and chemical changes of thermally treated bone apatite. Journal of Materials Science, 2007, 42, 9807-9816.	1.7	110
21	A stable droplet reactor for high temperature nanocrystal synthesis. Lab on A Chip, 2011, 11, 1221-1227.	3.1	109
22	Agglomeration of struvite crystals. Water Research, 2007, 41, 419-425.	5.3	108
23	A novel approach reveals that zinc oxide nanoparticles are bioavailable and toxic after dietary exposures. Nanotoxicology, 2011, 5, 79-90.	1.6	106
24	Use of bone meal amendments to immobilise Pb, Zn and Cd in soil: A leaching column study. Environmental Pollution, 2006, 144, 816-825.	3.7	102
25	Mineralogical controls on phosphorus recovery from wastewaters. Mineralogical Magazine, 2001, 65, 611-620.	0.6	101
26	Size dependent bioaccumulation and ecotoxicity of gold nanoparticles in an endobenthic invertebrate: The Tellinid clam Scrobicularia plana. Environmental Pollution, 2012, 168, 37-43.	3.7	97
27	Effect of bone meal (calcium phosphate) amendments on metal release from contaminated soilsÂâ€" a leaching column study. Environmental Pollution, 2001, 112, 233-243.	3.7	96
28	Bioaccumulation and Toxicity of CuO Nanoparticles by a Freshwater Invertebrate after Waterborne and Dietborne Exposures. Environmental Science & Technology, 2014, 48, 10929-10937.	4.6	95
29	Isotopically Modified Nanoparticles for Enhanced Detection in Bioaccumulation Studies. Environmental Science & Technology, 2012, 46, 1216-1222.	4.6	94
30	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, 137-145.	1.1	90
31	The Application of Calcium Phosphate Precipitation Chemistry to Phosphorus Recovery: The Influence of Organic Ligands. Environmental Technology (United Kingdom), 2001, 22, 1325-1335.	1.2	89
32	Remediation Technologies for Arsenic Contaminated Drinking Waters (9 pp). Journal of Soils and Sediments, 2005, 5, 182-190.	1.5	88
33	Toxic effects and bioaccumulation of nano-, micron- and ionic-Ag in the polychaete, Nereis diversicolor. Aquatic Toxicology, 2011, 105, 403-411.	1.9	87
34	Accumulation Dynamics and Acute Toxicity of Silver Nanoparticles to Daphnia magna and Lumbriculus variegatus: Implications for Metal Modeling Approaches. Environmental Science & Technology, 2015, 49, 4389-4397.	4.6	87
35	The effect of organic ligands on the crystallinity of calcium phosphate. Journal of Crystal Growth, 2003, 249, 572-583.	0.7	82
36	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, 7899-7912.	2.7	81

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37	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.	1.1	81
38	The Dissolution Rates of SiO₂ Nanoparticles As a Function of Particle Size. Environmental Science & Technology, 2012, 46, 4909-4915.	4.6	80
39	Struvite crystallisation and recovery using a stainless steel structure as a seed material. Water Research, 2007, 41, 2449-2456.	5.3	76
40	Biochemical and behavioural responses of the endobenthic bivalve Scrobicularia plana to silver nanoparticles in seawater and microalgal food. Ecotoxicology and Environmental Safety, 2013, 89, 117-124.	2.9	76
41	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, 114-122.	1.9	75
42	Bioaccumulation Dynamics and Modeling in an Estuarine Invertebrate Following Aqueous Exposure to Nanosized and Dissolved Silver. Environmental Science & Technology, 2012, 46, 7621-7628.	4.6	75
43	Comparative study using spheres, rods and spindle-shaped nanoplatelets on dispersion stability, dissolution and toxicity of CuO nanomaterials. Nanotoxicology, 2014, 8, 422-432.	1.6	75
44	NanoSolveIT Project: Driving nanoinformatics research to develop innovative and integrated tools for in silico nanosafety assessment. Computational and Structural Biotechnology Journal, 2020, 18, 583-602.	1.9	74
45	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, 191-198.	2.9	73
46	Tracing Bioavailability of ZnO Nanoparticles Using Stable Isotope Labeling. Environmental Science & Technology, 2012, 46, 12137-12145.	4.6	71
47	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.	0.3	70
48	Synthesis of isotopically modified ZnO nanoparticles and their potential as nanotoxicity tracers. Environmental Pollution, 2011, 159, 266-273.	3.7	68
49	Impact of Reactor Operation on Success of Struvite Precipitation from Synthetic Liquors. Environmental Technology (United Kingdom), 2007, 28, 1245-1256.	1.2	67
50	Comparative toxicity of metal oxide nanoparticles (CuO, ZnO and TiO2) to developing zebrafish embryos. Journal of Nanoparticle Research, 2014, 16, 1.	0.8	67
51	An evaluation of the reactivity of synthetic and natural apatites in the presence of aqueous metals. Science of the Total Environment, 2009, 407, 2953-2965.	3.9	66
52	The role of heterotrophic bacteria in feldspar dissolution â€“ an experimental approach. Mineralogical Magazine, 2003, 67, 1157-1170.	0.6	65
53	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.	0.8	65
54	Toxicity and bioaccumulation of sediment-associated silver nanoparticles in the estuarine polychaete, Nereis (Hediste) diversicolor. Aquatic Toxicology, 2014, 156, 106-115.	1.9	62

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55	Characterization of Nanoparticle Batch-To-Batch Variability. Nanomaterials, 2018, 8, 311.	1.9	62
56	Multiple cytotoxic and genotoxic effects induced in vitro by differently shaped copper oxide nanomaterials. Mutagenesis, 2013, 28, 287-299.	1.0	61
57	Electrophoretic deposition of ZnO/alginate and ZnO-bioactive glass/alginate composite coatings for antimicrobial applications. Materials Science and Engineering C, 2015, 55, 137-144.	3.8	60
58	Aneuploidogenic effects and DNA oxidation induced in vitro by differently sized gold nanoparticles. International Journal of Nanomedicine, 2014, 9, 2191.	3.3	59
59	In vivo retention of ingested Au NPs by Daphnia magna: No evidence for trans-epithelial alimentary uptake. Chemosphere, 2014, 100, 97-104.	4.2	57
60	Earthworm Uptake Routes and Rates of Ionic Zn and ZnO Nanoparticles at Realistic Concentrations, Traced Using Stable Isotope Labeling. Environmental Science & Technology, 2016, 50, 412-419.	4.6	57
61	Electrophoretic deposition of organic/inorganic composite coatings containing ZnO nanoparticles exhibiting antibacterial properties. Materials Science and Engineering C, 2017, 77, 780-789.	3.8	57
62	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.	4.2	56
63	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.	3.9	54
64	The integrated biomarker response: a suitable tool to evaluate toxicity of metal-based nanoparticles. Nanotoxicology, 2017, 11, 1-6.	1.6	52
65	A Mesocosm Study of Fate and Effects of CuO Nanoparticles on Endobenthic Species (Scrobicularia) Tj ETQq1 1 0.784314 rgBT /Over	4.6	51
66	Macromolecular Coronas and Their Importance in Nanotoxicology and Nanoecotoxicology. Frontiers of Nanoscience, 2014, 7, 127-156.	0.3	49
67	Cytotoxicity of TiO₂nanoparticles to mussel hemocytes and gill cellsin vitro: Influence of synthesis method, crystalline structure, size and additive. Nanotoxicology, 2015, 9, 543-553.	1.6	47
68	An investigation into arsenic(V) removal from aqueous solutions by hydroxylapatite and bone-char. Mineralogical Magazine, 2005, 69, 769-780.	0.6	46
69	Evaluation of topically applied copper(II) oxide nanoparticle cytotoxicity in human skin organ culture. Toxicology in Vitro, 2013, 27, 292-298.	1.1	46
70	Cytotoxicity of Au, ZnO and SiO₂NPs usingin vitroassays with mussel hemocytes and gill cells: Relevance of size, shape and additives. Nanotoxicology, 2016, 10, 1-9.	1.6	46
71	Plant species-dependent transformation and translocation of ceria nanoparticles. Environmental Science: Nano, 2019, 6, 60-67.	2.2	46
72	Characterization and identification of mixed-metal phosphates in soils: the application of Raman spectroscopy. Mineralogical Magazine, 2003, 67, 1299-1316.	0.6	45

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73	Toxicity and accumulation of silver nanoparticles during development of the marine polychaete Platynereis dumerilii. Science of the Total Environment, 2014, 476-477, 688-695.	3.9	44
74	Inhibition of potential uptake pathways for silver nanoparticles in the estuarine snailPeringia ulvae. Nanotoxicology, 2015, 9, 493-501.	1.6	44
75	Seasonal variability of natural water chemistry affects the fate and behaviour of silver nanoparticles. Chemosphere, 2018, 191, 616-625.	4.2	43
76	An atomic force microscopy study of the dissolution of calcite in the presence of phosphate ions. Geochimica Et Cosmochimica Acta, 2013, 117, 115-128.	1.6	42
77	Graphene Oxide-Induced pH Alteration, Iron Overload, and Subsequent Oxidative Damage in Rice (Oryza sativa L.): A New Mechanism of Nanomaterial Phytotoxicity. Environmental Science & Technology, 2020, 54, 3181-3190.	4.6	42
78	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, 8532-8539.	4.6	41
79	Multi-walled carbon nanotube length as a critical determinant of bioreactivity with primary human pulmonary alveolar cells. Carbon, 2014, 78, 26-37.	5.4	41
80	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.	1.9	41
81	Isotopically modified silver nanoparticles to assess nanosilver bioavailability and toxicity at environmentally relevant exposures. Environmental Chemistry, 2014, 11, 247.	0.7	40
82	A nanoinformatics decision support tool for the virtual screening of gold nanoparticle cellular association using protein corona fingerprints. Nanotoxicology, 2018, 12, 1148-1165.	1.6	40
83	An Experimental Investigation of the Effect ofBacillus megateriumon Apatite Dissolution. Geomicrobiology Journal, 2006, 23, 177-182.	1.0	39
84	Kinetics of Struvite Precipitation: Effect of the Magnesium Dose on Induction Times and Precipitation Rates. Environmental Technology (United Kingdom), 2007, 28, 1317-1324.	1.2	39
85	Elucidation of Toxicity Pathways in Lung Epithelial Cells Induced by Silicon Dioxide Nanoparticles. PLoS ONE, 2013, 8, e72363.	1.1	39
86	Mechanisms of Iron Uptake from Ferric Phosphate Nanoparticles in Human Intestinal Caco-2 Cells. Nutrients, 2017, 9, 359.	1.7	38
87	Particle number-based trophic transfer of gold nanomaterials in an aquatic food chain. Nature Communications, 2021, 12, 899.	5.8	38
88	Bioaccumulation and effects of differentâ€shaped copper oxide nanoparticles in the depositâ€feeding snail Potamopyrgus antipodarum. Environmental Toxicology and Chemistry, 2014, 33, 1976-1987.	2.2	37
89	Growing Rice (Oryza sativa) Aerobically Reduces Phytotoxicity, Uptake, and Transformation of CeO₂ Nanoparticles. Environmental Science & Technology, 2021, 55, 8654-8664.	4.6	37
90	Zetaâ€Potential Readâ€Across Model Utilizing Nanodescriptors Extracted via the NanoXtract Image Analysis Tool Available on the Enalos Nanoinformatics Cloud Platform. Small, 2020, 16, e1906588.	5.2	35

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91	Dispersion of Nanomaterials in Aqueous Media: Towards Protocol Optimization. Journal of Visualized Experiments, 2017, , .	0.2	34
92	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.	2.2	34
93	Predicting Cytotoxicity of Metal Oxide Nanoparticles Using Isalos Analytics Platform. Nanomaterials, 2020, 10, 2017.	1.9	34
94	Airâ€“Liquid Interface Exposure of Lung Epithelial Cells to Low Doses of Nanoparticles to Assess Pulmonary Adverse Effects. Nanomaterials, 2021, 11, 65.	1.9	34
95	A safe-by-design tool for functionalised nanomaterials through the Enalos Nanoinformatics Cloud platform. Nanoscale Advances, 2019, 1, 706-718.	2.2	33
96	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.	1.1	32
97	Silver nanoparticle induced toxicity and cell death mechanisms in embryonic zebrafish cells. Nanoscale, 2021, 13, 6142-6161.	2.8	32
98	Biotransformation modulates the penetration of metallic nanomaterials across an artificial bloodâ€“brain barrier model. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	32
99	Multigenerational Exposures of Daphnia Magna to Pristine and Aged Silver Nanoparticles: Epigenetic Changes and Phenotypical Ageing Related Effects. Small, 2020, 16, e2000301.	5.2	31
100	An Untargeted Thermogravimetric Analysis-Fourier Transform Infrared-Gas Chromatography-Mass Spectrometry Approach for Plastic Polymer Identification. Environmental Science & Technology, 2021, 55, 8721-8729.	4.6	31
101	Subcellular localization of gold nanoparticles in the estuarine bivalve Scrobicularia plana after exposure through the water. Gold Bulletin, 2013, 46, 47-56.	1.1	30
102	Shape and Charge of Gold Nanomaterials Influence Survivorship, Oxidative Stress and Moulting of Daphnia magna. Nanomaterials, 2016, 6, 222.	1.9	30
103	Current Application of Capillary Electrophoresis in Nanomaterial Characterisation and Its Potential to Characterise the Protein and Small Molecule Corona. Nanomaterials, 2018, 8, 99.	1.9	30
104	Phosphate mineral reactivity: from global cycles to sustainable development. Mineralogical Magazine, 2008, 72, 337-340.	0.6	29
105	Bioaccumulation, toxicokinetics, and effects of copper from sediment spiked with aqueous Cu, nanoâ€CuO, or microâ€CuO in the depositâ€feeding snail, Potamopyrgus antipodarum. Environmental Toxicology and Chemistry, 2013, 32, 1561-1573.	2.2	28
106	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.	1.5	28
107	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.	2.2	28
108	Remediation Strategies for Historical Mining and Smelting Sites. Science Progress, 2006, 89, 71-138.	1.0	27

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109	Field trial using bone meal amendments to remediate mine waste derived soil contaminated with zinc, lead and cadmium. Applied Geochemistry, 2008, 23, 2414-2424.	1.4	27
110	Cerium oxide nanoparticles induce oxidative stress in the sediment-dwelling amphipodCorophium volutator. Nanotoxicology, 2016, 10, 480-487.	1.6	27
111	Effectiveness of different biochar in aqueous zinc removal: Correlation with physicochemical characteristics. Bioresource Technology Reports, 2020, 11, 100466.	1.5	27
112	A novel method for sampling bacteria on plant root and soil surfaces at the microhabitat scale. Journal of Microbiological Methods, 2008, 75, 12-18.	0.7	26
113	Bioaccumulation and toxic effects of nanoparticulate and ionic silver in Saccostrea glomerata (rock) Tj ETQq1 1 0.784314 rgBT /Overlo	2.9	26
114	Stable isotope labeling of metal/metal oxide nanomaterials for environmental and biological tracing. Nature Protocols, 2019, 14, 2878-2899.	5.5	25
115	Deciphering the particle specific effects on metabolism in rat liver and plasma from ZnO nanoparticles versus ionic Zn exposure. Environment International, 2020, 136, 105437.	4.8	25
116	Role of Humic Acid in the Stability of Ag Nanoparticles in Suboxic Conditions. Environmental Science & Technology, 2017, 51, 6063-6070.	4.6	24
117	Synthesis and characterization of isotopically labeled silver nanoparticles for tracing studies. Environmental Science: Nano, 2014, 1, 271-283.	2.2	23
118	Dioxins as potential risk factors for autism spectrum disorder. Environment International, 2018, 121, 906-915.	4.8	23
119	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.	0.8	22
120	Internalization and toxicological mechanisms of uncoated and PVP-coated cerium oxide nanoparticles in the freshwater algaChlamydomonas reinhardtii. Environmental Science: Nano, 2019, 6, 1959-1972.	2.2	22
121	Intranasal exposure to ZnO nanoparticles induces alterations in cholinergic neurotransmission in rat brain. Nano Today, 2020, 35, 100977.	6.2	22
122	Elucidating the mechanism of the surface functionalization dependent neurotoxicity of graphene family nanomaterials. Nanoscale, 2020, 12, 18600-18605.	2.8	22
123	Characterisation of carbon nanotubes in the context of toxicity studies. Environmental Health, 2009, 8, S3.	1.7	20
124	Time-resolved toxicity study reveals the dynamic interactions between uncoated silver nanoparticles and bacteria. Nanotoxicology, 2017, 11, 637-646.	1.6	20
125	Toxicity and chemical transformation of silver nanoparticles in A549 lung cells: dose-rate-dependent genotoxic impact. Environmental Science: Nano, 2021, 8, 806-821.	2.2	20
126	Linking rhizoplane pH and bacterial density at the microhabitat scale. Journal of Microbiological Methods, 2009, 76, 101-104.	0.7	19

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127	Cadmium sulfide quantum dots induce oxidative stress and behavioral impairments in the marine clam Scrobicularia plana. Environmental Toxicology and Chemistry, 2015, 34, 1659-1664.	2.2	19
128	New, rapid method to measure dissolved silver concentration in silver nanoparticle suspensions by aggregation combined with centrifugation. Journal of Nanoparticle Research, 2016, 18, 259.	0.8	19
129	Colloidal stability of nanoparticles derived from simulated cloud-processed mineral dusts. Science of the Total Environment, 2014, 466-467, 864-870.	3.9	18
130	Development of scalable and versatile nanomaterial libraries for nanosafety studies: polyvinylpyrrolidone (PVP) capped metal oxide nanoparticles. RSC Advances, 2017, 7, 3894-3906.	1.7	18
131	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.	2.9	18
132	Operationally defined associations of arsenic and copper from soil and mine waste in south-west England. Chemical Speciation and Bioavailability, 2005, 17, 147-160.	2.0	15
133	The Vani manganese deposit, Milos island, Greece: A fossil stratabound Mnâˆ’Baâˆ’Pbâˆ’Znâˆ’Asâˆ’Sbâˆ’W-rich hydrothermal deposit. Developments in Volcanology, 2005, , 255-291.	0.5	15
134	The effect of zirconium doping of cerium dioxide nanoparticles on pulmonary and cardiovascular toxicity and biodistribution in mice after inhalation. Nanotoxicology, 2017, 11, 1-15.	1.6	15
135	A Dose Metrics Perspective on the Association of Gold Nanomaterials with Algal Cells. Environmental Science and Technology Letters, 2019, 6, 732-738.	3.9	15
136	Computational enrichment of physicochemical data for the development of a Î¶-potential read-across predictive model with Isalos Analytics Platform. NanoImpact, 2021, 22, 100308.	2.4	15
137	Versailles project on advanced materials and standards (VAMAS) interlaboratory study on measuring the number concentration of colloidal gold nanoparticles. Nanoscale, 2022, 14, 4690-4704.	2.8	15
138	Can Current Regulations Account for Intentionally Produced Nanoplastics?. Environmental Science & Technology, 2022, 56, 3836-3839.	4.6	15
139	Crystallinity depends on choice of iron salt precursor in the continuous hydrothermal synthesis of Feâ€“Co oxide nanoparticles. RSC Advances, 2017, 7, 37436-37440.	1.7	14
140	A high throughput imaging database of toxicological effects of nanomaterials tested on HepaRG cells. Scientific Data, 2019, 6, 46.	2.4	14
141	The analytical quest for sub-micron plastics in biological matrices. Nano Today, 2021, 41, 101296.	6.2	14
142	Br/Cl and I/Cl systematics in the shallow-water hydrothermal system at Milos Island, Hellenic Arc. Marine Chemistry, 2012, 140-141, 33-43.	0.9	13
143	Dietary bioavailability of cadmium presented to the gastropod Peringia ulvae as quantum dots and in ionic form. Environmental Toxicology and Chemistry, 2013, 32, 2621-2629.	2.2	12
144	Nano-titanium dioxide bioreactivity with human alveolar type-I-like epithelial cells: Investigating crystalline phase as a critical determinant. Nanotoxicology, 2015, 9, 482-492.	1.6	12

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145	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.	1.5	12
146	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.	2.2	12
147	A New Occurrence of Terrestrial Native Iron in the Earthâ€™s Surface: The Ilia Thermogenic Travertine Case, Northwestern Euboea, Greece. Geosciences (Switzerland), 2018, 8, 287.	1.0	11
148	Trophic transfer of CuO NPs from sediment to worms (Tubifex tubifex) to fish (Gasterosteus) Tj ETQq0 0 0 rgBT /Overlock 10 T (⁶⁵Cu). Environmental Science: Nano, 2020, 7, 2360-2372.	2.2	11
149	Arsenian Pyrite and Cinnabar from Active Submarine Nearshore Vents, Paleochori Bay, Milos Island, Greece. Minerals (Basel, Switzerland), 2021, 11, 14.	0.8	11
150	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.	1.5	10
151	Surface functionalisation-dependent adverse effects of metal nanoparticles and nanoplastics in zebrafish embryos. Environmental Science: Nano, 2022, 9, 375-392.	2.2	10
152	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.	3.7	9
153	Mechanisms of Silver Nanoparticle Uptake by Embryonic Zebrafish Cells. Nanomaterials, 2021, 11, 2699.	1.9	9
154	An analytical workflow for dynamic characterization and quantification of metal-bearing nanomaterials in biological matrices. Nature Protocols, 2022, 17, 1926-1952.	5.5	9
155	Nanomaterial synthesis and characterization for toxicological studies: TiO2 case study. Mineralogical Magazine, 2008, 72, 515-519.	0.6	8
156	Phosphorus in Environmental Technology: Principles and Applications. Water Intelligence Online, 2015, 4, 9781780402758-9781780402758.	0.3	7
157	Greco-Roman mineral (litho)therapeutics and their relationship to their microbiome: The case of the red pigment miltos. Journal of Archaeological Science: Reports, 2018, 22, 179-192.	0.2	7
158	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.	2.2	7
159	Cellular repair mechanisms triggered by exposure to silver nanoparticles and ionic silver in embryonic zebrafish cells. Environmental Science: Nano, 2021, 8, 2507-2522.	2.2	7
160	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.	2.9	7
161	Overview of Environmental Nanoscience. Frontiers of Nanoscience, 2014, 7, 1-54.	0.3	6
162	Simulations of morphological transformation in silver nanoparticles as a tool for assessing their reactivity and potential toxicity. NanoImpact, 2019, 14, 100147.	2.4	6

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163	Dietary uptake and effects of copper in Sticklebacks at environmentally relevant exposures utilizing stable isotope-labeled 65CuCl2 and 65CuO NPs. Science of the Total Environment, 2021, 757, 143779.	3.9	6
164	Accurate Phase Quantification of Mineral Matter in Bulk Lignite Samples from Western Peloponnese (Greece). Energy & Fuels, 2004, 18, 547-559.	2.5	5
165	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.	1.6	5
166	Coreâ€“Shell NaHoF₄@TiO₂ NPs: A Labeling Method to Trace Engineered Nanomaterials of Ubiquitous Elements in the Environment. ACS Applied Materials & Interfaces, 2019, 11, 19452-19461.	4.0	5
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