List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Modeled Environmental Concentrations of Engineered Nanomaterials (TiO ₂ , ZnO, Ag, CNT,) Tj ETQq	1 1 0 7843 10.0	314,rg,BT / 2,132
2	Occurrence, behavior and effects of nanoparticles in the environment. Environmental Pollution, 2007, 150, 5-22.	7.5	1,915
3	Exposure Modeling of Engineered Nanoparticles in the Environment. Environmental Science & Technology, 2008, 42, 4447-4453.	10.0	1,593
4	Industrial production quantities and uses of ten engineered nanomaterials in Europe and the world. Journal of Nanoparticle Research, 2012, 14, 1.	1.9	1,018
5	Environmental concentrations of engineered nanomaterials: Review of modeling and analytical studies. Environmental Pollution, 2013, 181, 287-300.	7.5	960
6	120 Years of Nanosilver History: Implications for Policy Makers. Environmental Science & Technology, 2011, 45, 1177-1183.	10.0	685
7	Comprehensive probabilistic modelling of environmental emissions of engineered nanomaterials. Environmental Pollution, 2014, 185, 69-76.	7.5	660
8	The release of engineered nanomaterials to the environment. Journal of Environmental Monitoring, 2011, 13, 1145.	2.1	655
9	The Behavior of Silver Nanotextiles during Washing. Environmental Science & Technology, 2009, 43, 8113-8118.	10.0	553
10	Potential scenarios for nanomaterial release and subsequent alteration in the environment. Environmental Toxicology and Chemistry, 2012, 31, 50-59.	4.3	498
11	Polyester Textiles as a Source of Microplastics from Households: A Mechanistic Study to Understand Microfiber Release During Washing. Environmental Science & Technology, 2017, 51, 7036-7046.	10.0	481
12	Extraction of Heavy Metals from Soils Using Biodegradable Chelating Agents. Environmental Science & Technology, 2004, 38, 937-944.	10.0	472
13	Environmental Chemistry of Aminopolycarboxylate Chelating Agents. Environmental Science & Technology, 2002, 36, 4009-4016.	10.0	450
14	Dynamic Probabilistic Modeling of Environmental Emissions of Engineered Nanomaterials. Environmental Science & Technology, 2016, 50, 4701-4711.	10.0	432
15	Application of nanoscale zero valent iron (NZVI) for groundwater remediation in Europe. Environmental Science and Pollution Research, 2012, 19, 550-558.	5.3	417
16	Critical Assessment of Chelant-Enhanced Metal Phytoextraction. Environmental Science & Technology, 2006, 40, 5225-5232.	10.0	400
17	Environmental chemistry of phosphonates. Water Research, 2003, 37, 2533-2546.	11.3	389
18	Review of nanomaterial aging and transformations through the life cycle of nano-enhanced products. Environment International, 2015, 77, 132-147.	10.0	342

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19	Nanomaterials for environmental studies: Classification, reference material issues, and strategies for physico-chemical characterisation. Science of the Total Environment, 2010, 408, 1745-1754.	8.0	339
20	Paradigms to assess the environmental impact of manufactured nanomaterials. Environmental Toxicology and Chemistry, 2012, 31, 3-14.	4.3	294
21	Are Carbon Nanotube Effects on Green Algae Caused by Shading and Agglomeration?. Environmental Science & Technology, 2011, 45, 6136-6144.	10.0	273
22	Adsorption of EDTA and Metal–EDTA Complexes onto Goethite. Journal of Colloid and Interface Science, 1996, 177, 106-121.	9.4	266
23	Comparative evaluation of antimicrobials for textile applications. Environment International, 2013, 53, 62-73.	10.0	264
24	Placing nanoplastics in the context of global plastic pollution. Nature Nanotechnology, 2021, 16, 491-500.	31.5	252
25	Probabilistic material flow modeling for assessing the environmental exposure to compounds: Methodology and an application to engineered nano-TiO2 particles. Environmental Modelling and Software, 2010, 25, 320-332.	4.5	234
26	Presence of Nanoparticles in Wash Water from Conventional Silver and Nano-silver Textiles. ACS Nano, 2014, 8, 7208-7219.	14.6	231
27	Characterization of silver release from commercially available functional (nano)textiles. Chemosphere, 2012, 89, 817-824.	8.2	225
28	The importance of life cycle concepts for the development of safe nanoproducts. Toxicology, 2010, 269, 160-169.	4.2	221
29	Potential release scenarios for carbon nanotubes used in composites. Environment International, 2013, 59, 1-11.	10.0	211
30	Environmental and health effects of nanomaterials in nanotextiles and façade coatings. Environment International, 2011, 37, 1131-1142.	10.0	209
31	Release of Titanium Dioxide from Textiles during Washing. Environmental Science & Technology, 2012, 46, 8181-8188.	10.0	201
32	Modeling Flows and Concentrations of Nine Engineered Nanomaterials in the Danish Environment. International Journal of Environmental Research and Public Health, 2015, 12, 5581-5602.	2.6	200
33	Probabilistic environmental risk assessment of five nanomaterials (nano-TiO ₂ , nano-Ag,) Tj ETQq1	1 0.784314	၊ rggဌ /Overl
34	The influence of EDDS on the uptake of heavy metals in hydroponically grown sunflowers. Chemosphere, 2006, 62, 1454-1463.	8.2	182
35	Nanoparticles for Remediation: Solving Big Problems with Little Particles. Elements, 2010, 6, 395-400.	0.5	178
36	Possibilities and limitations of modeling environmental exposure to engineered nanomaterials by probabilistic material flow analysis. Environmental Toxicology and Chemistry, 2010, 29, 1036-1048.	4.3	177

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37	Methods for the photometric determination of reactive bromine and chlorine species with ABTS. Water Research, 2000, 34, 4343-4350.	11.3	173
38	Polymer-Specific Modeling of the Environmental Emissions of Seven Commodity Plastics As Macro- and Microplastics. Environmental Science & Technology, 2019, 53, 9664-9676.	10.0	160
39	Engineered nanomaterials in water and soils: A risk quantification based on probabilistic exposure and effect modeling. Environmental Toxicology and Chemistry, 2013, 32, 1278-1287.	4.3	156
40	Influence of two types of organic matter on interaction of CeO2 nanoparticles with plants in hydroponic culture. Chemosphere, 2013, 91, 512-520.	8.2	155
41	Heavy Metal Sorption on Clay Minerals Affected by the Siderophore Desferrioxamine B. Environmental Science & Technology, 2000, 34, 2749-2755.	10.0	154
42	Engineered nanomaterials in rivers – Exposure scenarios for Switzerland at high spatial and temporal resolution. Environmental Pollution, 2011, 159, 3439-3445.	7.5	150
43	Competitive adsorption of phosphate and phosphonates onto goethite. Water Research, 2006, 40, 2201-2209.	11.3	140
44	Migration of Ag- and TiO ₂ -(Nano)particles from Textiles into Artificial Sweat under Physical Stress: Experiments and Exposure Modeling. Environmental Science & Technology, 2013, 47, 9979-9987.	10.0	137
45	Determination of Dissolved and Adsorbed EDTA Species in Water and Sediments by HPLC. Analytical Chemistry, 1996, 68, 561-566.	6.5	136
46	Column Extraction of Heavy Metals from Soils Using the Biodegradable Chelating Agent EDDS. Environmental Science & Technology, 2005, 39, 6819-6824.	10.0	135
47	Biodegradation and speciation of residual SS-ethylenediaminedisuccinic acid (EDDS) in soil solution left after soil washing. Environmental Pollution, 2006, 142, 191-199.	7.5	135
48	Probabilistic Material Flow Analysis of Seven Commodity Plastics in Europe. Environmental Science & Technology, 2018, 52, 9874-9888.	10.0	135
49	Modeling the Adsorption of Metalâ^'EDTA Complexes onto Oxides. Environmental Science & Technology, 1996, 30, 2397-2405.	10.0	131
50	Life cycle assessment of manufactured nanomaterials: Where are we?. NanoImpact, 2018, 10, 108-120.	4.5	129
51	Adsorption of Pb and Cd by amine-modified zeolite. Water Research, 2005, 39, 3287-3297.	11.3	128
52	Uptake of Metals during Chelant-Assisted Phytoextraction with EDDS Related to the Solubilized Metal Concentration. Environmental Science & Technology, 2006, 40, 2753-2758.	10.0	127
53	Systematic Study of Microplastic Fiber Release from 12 Different Polyester Textiles during Washing. Environmental Science & Technology, 2020, 54, 4847-4855.	10.0	127
54	Toward an ecotoxicological risk assessment of microplastics: Comparison of available hazard and exposure data in freshwaters. Environmental Toxicology and Chemistry, 2019, 38, 436-447.	4.3	126

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55	Nanosilver Revisited Downstream. Science, 2010, 330, 1054-1055.	12.6	121
56	Are nanosized or dissolved metals more toxic in the environment? A metaâ€analysis. Environmental Toxicology and Chemistry, 2014, 33, 2733-2739.	4.3	121
57	Dissolved cerium contributes to uptake of Ce in the presence of differently sized CeO ₂ -nanoparticles by three crop plants. Metallomics, 2015, 7, 466-477.	2.4	120
58	Envisioning Nano Release Dynamics in a Changing World: Using Dynamic Probabilistic Modeling to Assess Future Environmental Emissions of Engineered Nanomaterials. Environmental Science & Technology, 2017, 51, 2854-2863.	10.0	114
59	Progress towards the validation of modeled environmental concentrations of engineered nanomaterials by analytical measurements. Environmental Science: Nano, 2015, 2, 421-428.	4.3	110
60	Comparison of manufactured and black carbon nanoparticle concentrations in aquatic sediments. Environmental Pollution, 2009, 157, 1110-1116.	7.5	106
61	Diuron Sorbed to Carbon Nanotubes Exhibits Enhanced Toxicity to Chlorella vulgaris. Environmental Science & Technology, 2013, 47, 7012-7019.	10.0	106
62	Release of TiO2 from paints containing pigment-TiO2 or nano-TiO2 by weathering. Environmental Sciences: Processes and Impacts, 2013, 15, 2186.	3.5	103
63	Sampling, defining, characterising and modeling the rhizosphere—the soil science tool box. Plant and Soil, 2009, 321, 457-482.	3.7	101
64	Silver speciation and release in commercial antimicrobial textiles as influenced by washing. Chemosphere, 2014, 111, 352-358.	8.2	100
65	Frameworks and tools for risk assessment of manufactured nanomaterials. Environment International, 2016, 95, 36-53.	10.0	97
66	Adsorption of Phosphonates onto the Goethite–Water Interface. Journal of Colloid and Interface Science, 1999, 214, 20-30.	9.4	95
67	Searching for Global Descriptors of Engineered Nanomaterial Fate and Transport in the Environment. Accounts of Chemical Research, 2013, 46, 844-853.	15.6	93
68	Critical aspects of sample handling for direct nanoparticle analysis and analytical challenges using asymmetric field flow fractionation in a multi-detector approach. Journal of Analytical Atomic Spectrometry, 2012, 27, 1120.	3.0	92
69	A critical review of engineered nanomaterial release data: Are current data useful for material flow modeling?. Environmental Pollution, 2016, 213, 502-517.	7.5	92
70	Degradation of Nitrilotris(methylenephosphonic Acid) and Related (Amino)Phosphonate Chelating Agents in the Presence of Manganese and Molecular Oxygen. Environmental Science & Technology, 2000, 34, 4759-4765.	10.0	89
71	The Remobilization of Metals from Iron Oxides and Sediments by Metal-EDTA Complexes. Water, Air, and Soil Pollution, 2001, 125, 243-257.	2.4	87
72	Growth of Lygeum spartum in acid mine tailings: response of plants developed from seedlings, rhizomes and at field conditions. Environmental Pollution, 2007, 145, 700-707.	7.5	87

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73	Mining landscape: A cultural tourist opportunity or an environmental problem?. Ecological Economics, 2008, 64, 690-700.	5.7	87
74	Use of Diffusive Gradients in Thin Films (DGT) in Undisturbed Field Soils. Environmental Science & Technology, 2004, 38, 1133-1138.	10.0	86
75	Evaluation of environmental exposure models for engineered nanomaterials in a regulatory context. NanoImpact, 2017, 8, 38-47.	4.5	85
76	The behavior and effects of nanoparticles in the environment. Environmental Pollution, 2009, 157, 1063-1064.	7.5	83
77	Dynamic probabilistic material flow analysis of rubber release from tires into the environment. Environmental Pollution, 2020, 258, 113573.	7.5	83
78	The Influence of Metal Ions on the Adsorption of Phosphonates onto Goethite. Environmental Science & Technology, 1999, 33, 3627-3633.	10.0	82
79	Behavior of TiO ₂ Released from Nano-TiO ₂ -Containing Paint and Comparison to Pristine Nano-TiO ₂ . Environmental Science & Technology, 2014, 48, 6710-6718.	10.0	82
80	Flows of engineered nanomaterials through the recycling process in Switzerland. Waste Management, 2015, 36, 33-43.	7.4	78
81	Probabilistic modeling of the flows and environmental risks of nano-silica. Science of the Total Environment, 2016, 545-546, 67-76.	8.0	77
82	Dynamic probabilistic material flow analysis of nano-SiO2, nano iron oxides, nano-CeO2, nano-Al2O3, and quantum dots in seven European regions. Environmental Pollution, 2018, 235, 589-601.	7.5	77
83	Influence of Natural and Anthropogenic Ligands on Metal Transport during Infiltration of River Water to Groundwater. Environmental Science & Technology, 1997, 31, 866-872.	10.0	75
84	The behavior of phosphonates in wastewater treatment plants of Switzerland. Water Research, 1998, 32, 1271-1279.	11.3	75
85	Characterization of materials released into water from paint containing nano-SiO2. Chemosphere, 2015, 119, 1314-1321.	8.2	74
86	Modeling the flows of engineered nanomaterials during waste handling. Environmental Sciences: Processes and Impacts, 2013, 15, 251-259.	3.5	73
87	Dissolution and transformation of cerium oxide nanoparticles in plant growth media. Journal of Nanoparticle Research, 2014, 16, 1.	1.9	73
88	Probabilistic modelling of engineered nanomaterial emissions to the environment: a spatio-temporal approach. Environmental Science: Nano, 2015, 2, 340-351.	4.3	73
89	Coupled mobilization of dissolved organic matter and metals (Cu and Zn) in soil columns. Geochimica Et Cosmochimica Acta, 2007, 71, 3407-3418.	3.9	68
90	Life cycle assessment of façade coating systems containing manufactured nanomaterials. Journal of Nanoparticle Research, 2015, 17, 1.	1.9	66

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91	Textile Functionalization and Its Effects on the Release of Silver Nanoparticles into Artificial Sweat. Environmental Science & Technology, 2016, 50, 5927-5934.	10.0	66
92	Determination of phosphonates in natural waters by ion-pair high-performance liquid chromatography. Journal of Chromatography A, 1997, 773, 139-146.	3.7	63
93	Characterization of Nanoplastics, Fibrils, and Microplastics Released during Washing and Abrasion of Polyester Textiles. Environmental Science & Technology, 2021, 55, 15873-15881.	10.0	63
94	Modified micro suction cup/rhizobox approach for the in-situ detection of organic acids in rhizosphere soil solution. Plant and Soil, 2006, 286, 99-107.	3.7	61
95	The origin of microplastic fiber in polyester textiles: The textile production process matters. Journal of Cleaner Production, 2020, 267, 121970.	9.3	61
96	Root-zone modeling of heavy metal uptake and leaching in the presence of organic ligands. Plant and Soil, 2004, 265, 61-73.	3.7	60
97	Metal extractability in acidic and neutral mine tailings from the Cartagena-La Unión Mining District (SE Spain). Applied Geochemistry, 2008, 23, 1232-1240.	3.0	59
98	The Effects of Plants on the Mobilization of Cu and Zn in Soil Columns. Environmental Science & Technology, 2007, 41, 2770-2775.	10.0	57
99	Accumulation and solubility of metals during leaf litter decomposition in nonâ€polluted and polluted soil. European Journal of Soil Science, 2009, 60, 613-621.	3.9	56
100	Considering the forms of released engineered nanomaterials in probabilistic material flow analysis. Environmental Pollution, 2018, 243, 17-27.	7.5	56
101	Meeting the Needs for Released Nanomaterials Required for Further Testing—The SUN Approach. Environmental Science & Technology, 2016, 50, 2747-2753.	10.0	55
102	Formation of Fiber Fragments during Abrasion of Polyester Textiles. Environmental Science & Technology, 2021, 55, 8001-8009.	10.0	55
103	Toward the Development of Decision Supporting Tools That Can Be Used for Safe Production and Use of Nanomaterials. Accounts of Chemical Research, 2013, 46, 863-872.	15.6	54
104	Probabilistic modelling of prospective environmental concentrations of gold nanoparticles from medical applications as a basis for risk assessment. Journal of Nanobiotechnology, 2015, 13, 93.	9.1	54
105	A dynamic probabilistic material flow modeling method. Environmental Modelling and Software, 2016, 76, 69-80.	4.5	54
106	Spatial and temporal variation in organic acid anion exudation and nutrient anion uptake in the rhizosphere of Lupinus albus L Plant and Soil, 2007, 301, 123-134.	3.7	53
107	LICARA nanoSCAN - A tool for the self-assessment of benefits and risks of nanoproducts. Environment International, 2016, 91, 150-160.	10.0	53
108	A probabilistic method for species sensitivity distributions taking into account the inherent uncertainty and variability of effects to estimate environmental risk. Integrated Environmental Assessment and Management, 2013, 9, 79-86.	2.9	51

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109	Measuring Nanomaterial Release from Carbon Nanotube Composites: Review of the State of the Science. Journal of Physics: Conference Series, 2015, 617, 012026.	0.4	50
110	The need for a life-cycle based aging paradigm for nanomaterials: importance of real-world test systems to identify realistic particle transformations. Nanotechnology, 2017, 28, 072001.	2.6	49
111	Environmental risk assessment of engineered nanoâ€SiO ₂ , nano iron oxides, nanoâ€CeO ₂ , nanoâ€Al ₂ O ₃ , and quantum dots. Environmental Toxicology and Chemistry, 2018, 37, 1387-1395.	4.3	49
112	Metal Solubility and Speciation in the Rhizosphere of Lupinus albus Cluster Roots. Environmental Science & Technology, 2008, 42, 7146-7151.	10.0	48
113	Influence of the initial state of carbon nanotubes on their colloidal stability under natural conditions. Environmental Pollution, 2011, 159, 1641-1648.	7.5	48
114	Cytotoxic effects of nanosilver are highly dependent on the chloride concentration and the presence of organic compounds in the cell culture media. Journal of Nanobiotechnology, 2017, 15, 5.	9.1	48
115	Nanofiltration and nanostructured membranes—Should they be considered nanotechnology or not?. Journal of Hazardous Materials, 2012, 211-212, 275-280.	12.4	47
116	Unraveling the Complexity in the Aging of Nanoenhanced Textiles: A Comprehensive Sequential Study on the Effects of Sunlight and Washing on Silver Nanoparticles. Environmental Science & Technology, 2016, 50, 5790-5799.	10.0	47
117	Homogeneous and Heterogeneous Oxidation of Nitrilotrismethylenephosphonic Acid (NTMP) in the Presence of Manganese(II, III) and Molecular Oxygen. Journal of Physical Chemistry B, 2002, 106, 6227-6233.	2.6	46
118	Organic matter control on the reactivity of Fe(III)-oxyhydroxides and associated As in wetland soils: A kinetic modeling study. Chemical Geology, 2013, 335, 24-35.	3.3	46
119	Verification and intercomparison of reactive transport codes to describe root-uptake. Plant and Soil, 2006, 285, 305-321.	3.7	45
120	Analysis of the occupational, consumer and environmental exposure to engineered nanomaterials used in 10 technology sectors. Nanotoxicology, 2013, 7, 1152-1156.	3.0	44
121	Use of engineered nanomaterials in the construction industry with specific emphasis on paints and their flows in construction and demolition waste in Switzerland. Waste Management, 2015, 43, 398-406.	7.4	44
122	Exposure and Possible Risks of Engineered Nanomaterials in the Environment—Current Knowledge and Directions for the Future. Reviews of Geophysics, 2020, 58, e2020RG000710.	23.0	44
123	Chelating Agents in the Environment. ACS Symposium Series, 2005, , 1-18.	0.5	43
124	An integrated pathway based on in vitro data for the human hazard assessment of nanomaterials. Environment International, 2020, 137, 105505.	10.0	43
125	Elevated Lead and Zinc Contents in Remote Alpine Soils of the Swiss National Park. Journal of Environmental Quality, 2001, 30, 919-926.	2.0	42
126	Long-term colloidal stability of 10 carbon nanotube types in the absence/presence of humic acid and calcium. Environmental Pollution, 2012, 169, 64-73.	7.5	42

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127	A Metaâ€analysis of Ecotoxicological Hazard Data for Nanoplastics in Marine and Freshwater Systems. Environmental Toxicology and Chemistry, 2020, 39, 2588-2598.	4.3	42
128	Aminopolyphosphonate removal during wastewater treatment. Water Research, 2002, 36, 4636-4642.	11.3	41
129	Human hazard potential of nanocellulose: quantitative insights from the literature. Nanotoxicology, 2020, 14, 1241-1257.	3.0	41
130	Probabilistic environmental risk assessment of microplastics in marine habitats. Aquatic Toxicology, 2021, 230, 105689.	4.0	40
131	Manganese-catalyzed degradation of phosphonic acids. Environmental Chemistry Letters, 2003, 1, 24-31.	16.2	39
132	Decrease of labile Zn and Cd in the rhizosphere of hyperaccumulating Thlaspi caerulescens with time. Environmental Pollution, 2010, 158, 1955-1962.	7.5	39
133	Metal fractionation in a contaminated soil after reforestation: Temporal changes versus spatial variability. Environmental Pollution, 2010, 158, 3272-3278.	7.5	39
134	Effect of Variations of Washing Solution Chemistry on Nanomaterial Physicochemical Changes in the Laundry Cycle. Environmental Science & Technology, 2015, 49, 9665-9673.	10.0	38
135	Colloidal stability of suspended and agglomerate structures ofÂsettled carbon nanotubes in different aqueous matrices. Water Research, 2013, 47, 3910-3920.	11.3	37
136	Limitations and information needs for engineered nanomaterial-specific exposure estimation and scenarios: recommendations for improved reporting practices. Journal of Nanoparticle Research, 2012, 14, 1.	1.9	35
137	Durability of nano-enhanced textiles through the life cycle: releases from landfilling after washing. Environmental Science: Nano, 2016, 3, 375-387.	4.3	35
138	Mobility of metallic (nano)particles in leachates from landfills containing waste incineration residues. Environmental Science: Nano, 2017, 4, 480-492.	4.3	35
139	European country-specific probabilistic assessment of nanomaterial flows towards landfilling, incineration and recycling. Environmental Science: Nano, 2017, 4, 1961-1973.	4.3	35
140	Sorption of Trace Metals by Standard and Micro Suction Cups in the Absence and Presence of Dissolved Organic Carbon. Journal of Environmental Quality, 2006, 35, 50-60.	2.0	34
141	A Laboratory Study on Revegetation and Metal Uptake in Native Plant Species from Neutral Mine Tailings. Water, Air, and Soil Pollution, 2007, 183, 201-212.	2.4	34
142	Is anything out there?. Nano Today, 2009, 4, 11-12.	11.9	33
143	Physical and Chemical Characterization of Fly Ashes from Swiss Waste Incineration Plants and Determination of the Ash Fraction in the Nanometer Range. Environmental Science & Technology, 2014, 48, 4765-4773.	10.0	33
144	Improvements in Nanoparticle Tracking Analysis To Measure Particle Aggregation and Mass Distribution: A Case Study on Engineered Nanomaterial Stability in Incineration Landfill Leachates. Environmental Science & Technology, 2017, 51, 5611-5621.	10.0	33

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145	Environmental Risk Assessment Strategy for Nanomaterials. International Journal of Environmental Research and Public Health, 2017, 14, 1251.	2.6	33
146	Uptake of Zn and Fe by Wheat (<i>Triticum aestivum</i> var. Greina) and Transfer to the Grains in the Presence of Chelating Agents (Ethylenediaminedisuccinic Acid and Ethylenediaminetetraacetic Acid). Journal of Agricultural and Food Chemistry, 2008, 56, 4643-4649.	5.2	32
147	Chelating agents and the environment. Environmental Pollution, 2008, 153, 1-2.	7.5	32
148	How to consider engineered nanomaterials in major accident regulations?. Environmental Sciences Europe, 2014, 26, .	5.5	32
149	Human health characterization factors of nano-TiO2 for indoor and outdoor environments. International Journal of Life Cycle Assessment, 2016, 21, 1452-1462.	4.7	32
150	Harmonizing across environmental nanomaterial testing media for increased comparability of nanomaterial datasets. Environmental Science: Nano, 2020, 7, 13-36.	4.3	32
151	Cotton and Surgical Masks—What Ecological Factors Are Relevant for Their Sustainability?. Sustainability, 2020, 12, 10245.	3.2	32
152	Redefining environmental nanomaterial flows: consequences of the regulatory nanomaterial definition on the results of environmental exposure models. Environmental Science: Nano, 2018, 5, 1372-1385.	4.3	31
153	A proxy-based approach to predict spatially resolved emissions of macro- and microplastic to the environment. Science of the Total Environment, 2020, 748, 141137.	8.0	31
154	Size-Specific, Dynamic, Probabilistic Material Flow Analysis of Titanium Dioxide Releases into the Environment. Environmental Science & amp; Technology, 2021, 55, 2392-2402.	10.0	31
155	Determination of [S,S′]-ethylenediamine disuccinic acid (EDDS) by high performance liquid chromatography after derivatization with FMOC. Journal of Chromatography A, 2005, 1077, 37-43.	3.7	28
156	Environmental impact of As(V)–Fe oxyhydroxide reductive dissolution: An experimental insight. Chemical Geology, 2009, 259, 290-303.	3.3	27
157	Are engineered nano iron oxide particles safe? an environmental risk assessment by probabilistic exposure, effects and risk modeling. Nanotoxicology, 2016, 10, 1545-1554.	3.0	27
158	Environmental hazard assessment for polymeric and inorganic nanobiomaterials used in drug delivery. Journal of Nanobiotechnology, 2019, 17, 56.	9.1	27
159	In situ investigation of dissolution of heavy metal containing mineral particles in an acidic forest soil. Geochimica Et Cosmochimica Acta, 2006, 70, 2726-2736.	3.9	26
160	Cu and Zn mobilization in soil columns percolated by different irrigation solutions. Environmental Pollution, 2009, 157, 823-833.	7.5	26
161	Procedures for the production and use of synthetically aged and product released nanomaterials for further environmental and ecotoxicity testing. NanoImpact, 2018, 10, 70-80.	4.5	26
162	Risk Management Framework for Nano-Biomaterials Used in Medical Devices and Advanced Therapy Medicinal Products. Materials, 2020, 13, 4532.	2.9	26

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163	Systematic study of the presence of microplastic fibers during polyester yarn production. Journal of Cleaner Production, 2022, 363, 132247.	9.3	26
164	Dynamic probabilistic material flow analysis of engineered nanomaterials in European waste treatment systems. Waste Management, 2020, 113, 118-131.	7.4	25
165	Evaluating environmental risk assessment models for nanomaterials according to requirements along the product innovation Stage-Gate process. Environmental Science: Nano, 2019, 6, 505-518.	4.3	24
166	Determination of chlorate at low μg/l levels by ion-chromatography with postcolumn reaction. Journal of Chromatography A, 1999, 849, 209-215.	3.7	23
167	In situ transformations of fine lead oxide particles in different soils. Environmental Pollution, 2007, 145, 554-561.	7.5	22
168	Reply to Comments on â€120 Years of Nanosilver History: Implications for Policy Makersâ€. Environmental Science & Technology, 2011, 45, 7593-7595.	10.0	22
169	Material-specific properties applied to an environmental risk assessment of engineered nanomaterials – implications on grouping and read-across concepts. Nanotoxicology, 2019, 13, 623-643.	3.0	22
170	Suitability of using diffusive gradients in thin films (DGT) to study metal bioavailability in mine tailings: possibilities and constraints. Environmental Science and Pollution Research, 2010, 17, 657-664.	5.3	21
171	Nanomaterials to microplastics: Swings and roundabouts. Nano Today, 2017, 17, 7-10.	11.9	21
172	Prospective environmental risk assessment of nanocellulose for Europe. Environmental Science: Nano, 2019, 6, 2520-2531.	4.3	21
173	A new tool for in situ monitoring of Fe-mobilization in soils. Applied Geochemistry, 2008, 23, 3372-3383.	3.0	20
174	Polymer-specific dynamic probabilistic material flow analysis of seven polymers in Europe from 1950 to 2016. Resources, Conservation and Recycling, 2021, 173, 105733.	10.8	20
175	Systematic Consideration of Parameter Uncertainty and Variability in Probabilistic Species Sensitivity Distributions. Integrated Environmental Assessment and Management, 2020, 16, 211-222.	2.9	19
176	Effects of Chelating Agents on Trace Metal Speciation and Bioavailability. ACS Symposium Series, 2005, , 204-224.	0.5	18
177	Sorption kinetics and equilibrium of the herbicide diuron to carbon nanotubes or soot in absence and presence of algae. Environmental Pollution, 2014, 192, 147-153.	7.5	18
178	Nanoparticles in facade coatings: a survey of industrial experts on functional and environmental benefits and challenges. Journal of Nanoparticle Research, 2015, 17, 1.	1.9	18
179	Material flow analysis of plastic in organic waste in Switzerland. Soil Use and Management, 2021, 37, 277-288.	4.9	18
180	Formâ€Specific and Probabilistic Environmental Risk Assessment of 3 Engineered Nanomaterials (Nanoâ€Ag,) Tj l	ETQq0 0 0 4.3	rgBT /Overlc 18

Chemistry, 2021, 40, 2629-2639.

#	Article	IF	CITATIONS
181	Tire wear particle emissions: Measurement data where are you?. Science of the Total Environment, 2022, 830, 154655.	8.0	18
182	Evaluation of immobilized metal-ion affinity chromatography for the fractionation of natural Cu complexing ligands. Journal of Chromatography A, 2005, 1100, 176-184.	3.7	17
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