

Denise M Mitrano

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.

45
papers

2,824
citations

27
h-index

52
g-index

52
ext. papers

3,529
ext. citations

10.7
avg, IF

5.98
L-index

#	Paper	IF	Citations
45	Assessing implications of nanoplastics exposure to plants with advanced nanometrology techniques.. <i>Journal of Hazardous Materials</i> , 2022 , 430, 128356	12.8	1
44	Nanoplastics Removal During Drinking Water Treatment: Laboratory- and Pilot-scale Experiments and Modeling. <i>Journal of Hazardous Materials</i> , 2022 , 129011	12.8	1
43	Nanoplastic Transport in Soil via Bioturbation by. <i>Environmental Science & Technology</i> , 2021 ,	10.3	3
42	Demonstrating the translocation of nanoplastics across the fish intestine using palladium-doped polystyrene in a salmon gut-sac.. <i>Environment International</i> , 2021 , 159, 106994	12.9	8
41	Earthworms ingest microplastic fibres and nanoplastics with effects on egestion rate and long-term retention. <i>Science of the Total Environment</i> , 2021 , 151022	10.2	7
40	Placing nanoplastics in the context of global plastic pollution. <i>Nature Nanotechnology</i> , 2021 , 16, 491-500	28.7	62
39	Formation of Fiber Fragments during Abrasion of Polyester Textiles. <i>Environmental Science & Technology</i> , 2021 , 55, 8001-8009	10.3	12
38	Metal-doping of nanoplastics enables accurate assessment of uptake and effects on. <i>Environmental Science: Nano</i> , 2021 , 8, 1761-1770	7.1	10
37	What is Environmentally Relevant? A framework to advance research on the environmental fate and effects of engineered nanomaterials. <i>Environmental Science: Nano</i> , 2021 , 8, 2414-2429	7.1	3
36	The analytical quest for sub-micron plastics in biological matrices. <i>Nano Today</i> , 2021 , 41, 101296	17.9	3
35	Microplastic fibre releases from industrial wastewater effluent: a textile wet-processing mill in China. <i>Environmental Chemistry</i> , 2021 , 18, 93	3.2	14
34	Long-term assessment of nanoplastic particle and microplastic fiber flux through a pilot wastewater treatment plant using metal-doped plastics. <i>Water Research</i> , 2020 , 182, 115860	12.5	36
33	Systematic Study of Microplastic Fiber Release from 12 Different Polyester Textiles during Washing. <i>Environmental Science & Technology</i> , 2020 , 54, 4847-4855	10.3	60
32	The Effect of Drinking Water Ozonation on Different Types of Submicron Plastic Particles. <i>Springer Water</i> , 2020 , 152-157	0.3	0
31	The origin of microplastic fiber in polyester textiles: The textile production process matters. <i>Journal of Cleaner Production</i> , 2020 , 267, 121970	10.3	25
30	Transport of Nano- and Microplastic through Unsaturated Porous Media from Sewage Sludge Application. <i>Environmental Science & Technology</i> , 2020 , 54, 911-920	10.3	58
29	Impacts of Nanoplastics on the Viability and Riboflavin Secretion in the Model Bacteria <i>Shewanella oneidensis</i> . <i>Frontiers in Environmental Science</i> , 2020 , 8,	4.8	12

28	A Nanoplastic Sampling and Enrichment Approach by Continuous Flow Centrifugation. <i>Frontiers in Environmental Science</i> , 2020 , 8,	4.8	20
27	Microplastic regulation should be more precise to incentivize both innovation and environmental safety. <i>Nature Communications</i> , 2020 , 11, 5324	17.4	75
26	Mechanical phase inversion of Pickering emulsions via metastable wetting of rough colloids. <i>Soft Matter</i> , 2019 , 15, 7888-7900	3.6	13
25	Synthesis of metal-doped nanoplastics and their utility to investigate fate and behaviour in complex environmental systems. <i>Nature Nanotechnology</i> , 2019 , 14, 362-368	28.7	99
24	Mechanistic understanding of microplastic fiber fate and sampling strategies: Synthesis and utility of metal doped polyester fibers. <i>Water Research</i> , 2019 , 155, 423-430	12.5	28
23	A review of the fate of engineered nanomaterials in municipal solid waste streams. <i>Waste Management</i> , 2018 , 75, 427-449	8.6	57
22	Procedures for the production and use of synthetically aged and product released nanomaterials for further environmental and ecotoxicity testing. <i>NanoImpact</i> , 2018 , 10, 70-80	5.6	21
21	The need for a life-cycle based aging paradigm for nanomaterials: importance of real-world test systems to identify realistic particle transformations. <i>Nanotechnology</i> , 2017 , 28, 072001	3.4	39
20	Envisioning Nano Release Dynamics in a Changing World: Using Dynamic Probabilistic Modeling to Assess Future Environmental Emissions of Engineered Nanomaterials. <i>Environmental Science & Technology</i> , 2017 , 51, 2854-2863	10.3	91
19	Agglomeration potential of TiO in synthetic leachates made from the fly ash of different incinerated wastes. <i>Environmental Pollution</i> , 2017 , 223, 616-623	9.3	9
18	Improvements in Nanoparticle Tracking Analysis To Measure Particle Aggregation and Mass Distribution: A Case Study on Engineered Nanomaterial Stability in Incineration Landfill Leachates. <i>Environmental Science & Technology</i> , 2017 , 51, 5611-5621	10.3	28
17	Polyester Textiles as a Source of Microplastics from Households: A Mechanistic Study to Understand Microfiber Release During Washing. <i>Environmental Science & Technology</i> , 2017 , 51, 7036-7046	10.3	285
16	Mobility of metallic (nano)particles in leachates from landfills containing waste incineration residues. <i>Environmental Science: Nano</i> , 2017 , 4, 480-492	7.1	28
15	Durability of nano-enhanced textiles through the life cycle: releases from landfilling after washing. <i>Environmental Science: Nano</i> , 2016 , 3, 375-387	7.1	33
14	Multi-perspective application selection: a method to identify sustainable applications for new materials using the example of cellulose nanofiber reinforced composites. <i>Journal of Cleaner Production</i> , 2016 , 112, 1199-1210	10.3	20
13	Textile Functionalization and Its Effects on the Release of Silver Nanoparticles into Artificial Sweat. <i>Environmental Science & Technology</i> , 2016 , 50, 5927-34	10.3	50
12	Unraveling the Complexity in the Aging of Nanoenhanced Textiles: A Comprehensive Sequential Study on the Effects of Sunlight and Washing on Silver Nanoparticles. <i>Environmental Science & Technology</i> , 2016 , 50, 5790-9	10.3	41
11	Review of nanomaterial aging and transformations through the life cycle of nano-enhanced products. <i>Environment International</i> , 2015 , 77, 132-47	12.9	277

10	Effect of Variations of Washing Solution Chemistry on Nanomaterial Physicochemical Changes in the Laundry Cycle. <i>Environmental Science & Technology</i> , 2015 , 49, 9665-73	10.3	35
9	Progress towards the validation of modeled environmental concentrations of engineered nanomaterials by analytical measurements. <i>Environmental Science: Nano</i> , 2015 , 2, 421-428	7.1	94
8	Tracking dissolution of silver nanoparticles at environmentally relevant concentrations in laboratory, natural, and processed waters using single particle ICP-MS (spICP-MS). <i>Environmental Science: Nano</i> , 2014 , 1, 248-259	7.1	127
7	Presence of nanoparticles in wash water from conventional silver and nano-silver textiles. <i>ACS Nano</i> , 2014 , 8, 7208-19	16.7	206
6	Are nanosized or dissolved metals more toxic in the environment? A meta-analysis. <i>Environmental Toxicology and Chemistry</i> , 2014 , 33, 2733-9	3.8	105
5	The persistence and transformation of silver nanoparticles in littoral lake mesocosms monitored using various analytical techniques. <i>Environmental Chemistry</i> , 2014 , 11, 419	3.2	45
4	Comparison of on-line detectors for field flow fractionation analysis of nanomaterials. <i>Talanta</i> , 2013 , 104, 140-8	6.2	69
3	Detecting nanoparticulate silver using single-particle inductively coupled plasma-mass spectrometry. <i>Environmental Toxicology and Chemistry</i> , 2012 , 31, 115-21	3.8	255
2	Silver nanoparticle characterization using single particle ICP-MS (SP-ICP-MS) and asymmetrical flow field flow fractionation ICP-MS (AF4-ICP-MS). <i>Journal of Analytical Atomic Spectrometry</i> , 2012 , 27, 1131	3.7	208
1	Characterization of silver nanoparticles using flow-field flow fractionation interfaced to inductively coupled plasma mass spectrometry. <i>Journal of Chromatography A</i> , 2011 , 1218, 4219-25	4.5	146