

Casey L Doolette

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

1,171
citations

471509

17
h-index

677142

22
g-index

22
all docs

22
docs citations

22
times ranked

1595
citing authors

#	ARTICLE	IF	CITATIONS
1	Probing the nature of soil organic matter. <i>Critical Reviews in Environmental Science and Technology</i> , 2022, 52, 4072-4093.	12.8	35
2	Use of X-ray tomography for examining root architecture in soils. <i>Geoderma</i> , 2022, 405, 115405.	5.1	17
3	Pesticide effects on nitrogen cycle related microbial functions and community composition. <i>Science of the Total Environment</i> , 2022, 807, 150734.	8.0	25
4	Methods for assessing laterally-resolved distribution, speciation and bioavailability of phosphorus in soils. <i>Reviews in Environmental Science and Biotechnology</i> , 2022, 21, 53-74.	8.1	13
5	Tandem Probe Analysis Mode for Synchrotron XFM: Doubling Throughput Capacity. <i>Analytical Chemistry</i> , 2022, 94, 4584-4593.	6.5	3
6	Development and evaluation of a new colorimetric DGT technique for the 2D visualisation of labile phosphate in soils. <i>Chemosphere</i> , 2021, 269, 128704.	8.2	7
7	Zinc Accumulates in the Nodes of Wheat Following the Foliar Application of ^{65}Zn Oxide Nano- and Microparticles. <i>Environmental Science & Technology</i> , 2021, 55, 13523-13531.	10.0	13
8	Cellular binding, uptake and biotransformation of silver nanoparticles in human T lymphocytes. <i>Nature Nanotechnology</i> , 2021, 16, 926-932.	31.5	62
9	Phosphorus speciation in the fertosphere of highly concentrated fertilizer bands. <i>Geoderma</i> , 2021, 403, 115208.	5.1	17
10	Zinc from foliar-applied nanoparticle fertiliser is translocated to wheat grain: A ^{65}Zn radiolabelled translocation study comparing conventional and novel foliar fertilisers. <i>Science of the Total Environment</i> , 2020, 749, 142369.	8.0	34
11	Optimising the foliar uptake of zinc oxide nanoparticles: Do leaf surface properties and particle coating affect absorption?. <i>Physiologia Plantarum</i> , 2020, 170, 384-397.	5.2	31
12	Plant-Available Phosphorus in Highly Concentrated Fertilizer Bands: Effects of Soil Type, Phosphorus Form, and Coapplied Potassium. <i>Journal of Agricultural and Food Chemistry</i> , 2020, 68, 7571-7580.	5.2	37
13	Bioimaging Techniques Reveal Foliar Phosphate Uptake Pathways and Leaf Phosphorus Status. <i>Plant Physiology</i> , 2020, 183, 1472-1483.	4.8	22
14	Investigating the foliar uptake of zinc from conventional and nano-formulations: a methodological study. <i>Environmental Chemistry</i> , 2019, 16, 459.	1.5	19
15	Ecological Risk Assessment of Nano-enabled Pesticides: A Perspective on Problem Formulation. <i>Journal of Agricultural and Food Chemistry</i> , 2018, 66, 6480-6486.	5.2	106
16	Foliar application of zinc sulphate and zinc EDTA to wheat leaves: differences in mobility, distribution, and speciation. <i>Journal of Experimental Botany</i> , 2018, 69, 4469-4481.	4.8	95
17	Quantifying the Sensitivity of Soil Microbial Communities to Silver Sulfide Nanoparticles Using Metagenome Sequencing. <i>PLoS ONE</i> , 2016, 11, e0161979.	2.5	41
18	Bioavailability of silver and silver sulfide nanoparticles to lettuce (<i>Lactuca sativa</i>): Effect of agricultural amendments on plant uptake. <i>Journal of Hazardous Materials</i> , 2015, 300, 788-795.	12.4	98

#	ARTICLE	IF	CITATIONS
19	Transformation of PVP coated silver nanoparticles in a simulated wastewater treatment process and the effect on microbial communities. <i>Chemistry Central Journal</i> , 2013, 7, 46.	2.6	100
20	Transport of silver nanoparticles in saturated columns of natural soils. <i>Science of the Total Environment</i> , 2013, 463-464, 120-130.	8.0	196
21	Characterization and ecological risk assessment of nanoparticulate CeO ₂ as a diesel fuel catalyst. <i>Environmental Toxicology and Chemistry</i> , 2013, 32, 1896-1905.	4.3	35
22	Retention and Dissolution of Engineered Silver Nanoparticles in Natural Soils. <i>Soil Science Society of America Journal</i> , 2012, 76, 891-902.	2.2	165