Casey L Doolette

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/6267898/publications.pdf

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	Transport of silver nanoparticles in saturated columns of natural soils. Science of the Total Environment, 2013, 463-464, 120-130.	8.0	196
2	Retention and Dissolution of Engineered Silver Nanoparticles in Natural Soils. Soil Science Society of America Journal, 2012, 76, 891-902.	2.2	165
3	Ecological Risk Assessment of Nano-enabled Pesticides: A Perspective on Problem Formulation. Journal of Agricultural and Food Chemistry, 2018, 66, 6480-6486.	5.2	106
4	Transformation of PVP coated silver nanoparticles in a simulated wastewater treatment process and the effect on microbial communities. Chemistry Central Journal, 2013, 7, 46.	2.6	100
5	Bioavailability of silver and silver sulfide nanoparticles to lettuce (Lactuca sativa): Effect of agricultural amendments on plant uptake. Journal of Hazardous Materials, 2015, 300, 788-795.	12.4	98
6	Foliar application of zinc sulphate and zinc EDTA to wheat leaves: differences in mobility, distribution, and speciation. Journal of Experimental Botany, 2018, 69, 4469-4481.	4.8	95
7	Cellular binding, uptake and biotransformation of silver nanoparticles in human T lymphocytes. Nature Nanotechnology, 2021, 16, 926-932.	31.5	62
8	Quantifying the Sensitivity of Soil Microbial Communities to Silver Sulfide Nanoparticles Using Metagenome Sequencing. PLoS ONE, 2016, 11, e0161979.	2.5	41
9	Plant-Available Phosphorus in Highly Concentrated Fertilizer Bands: Effects of Soil Type, Phosphorus Form, and Coapplied Potassium. Journal of Agricultural and Food Chemistry, 2020, 68, 7571-7580.	5.2	37
10	Characterization and ecological risk assessment of nanoparticulate CeO₂ as a diesel fuel catalyst. Environmental Toxicology and Chemistry, 2013, 32, 1896-1905.	4.3	35
11	Probing the nature of soil organic matter. Critical Reviews in Environmental Science and Technology, 2022, 52, 4072-4093.	12.8	35
12	Zinc from foliar-applied nanoparticle fertiliser is translocated to wheat grain: A 65Zn radiolabelled translocation study comparing conventional and novel foliar fertilisers. Science of the Total Environment, 2020, 749, 142369.	8.0	34
13	Optimising the foliar uptake of zinc oxide nanoparticles: Do leaf surface properties and particle coating affect absorption?. Physiologia Plantarum, 2020, 170, 384-397.	5.2	31
14	Pesticide effects on nitrogen cycle related microbial functions and community composition. Science of the Total Environment, 2022, 807, 150734.	8.0	25
15	Bioimaging Techniques Reveal Foliar Phosphate Uptake Pathways and Leaf Phosphorus Status. Plant Physiology, 2020, 183, 1472-1483.	4.8	22
16	Investigating the foliar uptake of zinc from conventional and nano-formulations: a methodological study. Environmental Chemistry, 2019, 16, 459.	1.5	19
17	Phosphorus speciation in the fertosphere of highly concentrated fertilizer bands. Geoderma, 2021, 403, 115208.	5.1	17
18	Use of X-ray tomography for examining root architecture in soils. Geoderma, 2022, 405, 115405.	5.1	17

#	Article	IF	Citations
19	Zinc Accumulates in the Nodes of Wheat Following the Foliar Application of ⁶⁵Zn Oxide Nano- and Microparticles. Environmental Science & Technology, 2021, 55, 13523-13531.	10.0	13
20	Methods for assessing laterally-resolved distribution, speciation and bioavailability of phosphorus in soils. Reviews in Environmental Science and Biotechnology, 2022, 21, 53-74.	8.1	13
21	Development and evaluation of a new colorimetric DGT technique for the 2D visualisation of labile phosphate in soils. Chemosphere, 2021, 269, 128704.	8.2	7
22	Tandem Probe Analysis Mode for Synchrotron XFM: Doubling Throughput Capacity. Analytical Chemistry, 2022, 94, 4584-4593.	6.5	3