

Maria Carmen Hernández-Soriano

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

862
citations

623734

14
h-index

713466

21
g-index

30
all docs

30
docs citations

30
times ranked

1523
citing authors

#	ARTICLE	IF	CITATIONS
1	Nitrogen-rich microbial products provide new organo-mineral associations for the stabilization of soil organic matter. <i>Global Change Biology</i> , 2018, 24, 1762-1770.	9.5	113
2	Effects of soil water content and organic matter addition on the speciation and bioavailability of heavy metals. <i>Science of the Total Environment</i> , 2012, 423, 55-61.	8.0	102
3	Silver sulfide nanoparticles (Ag ₂ S-NPs) are taken up by plants and are phytotoxic. <i>Nanotoxicology</i> , 2015, 9, 1041-1049.	3.0	96
4	Biochar affects carbon composition and stability in soil: a combined spectroscopy-microscopy study. <i>Scientific Reports</i> , 2016, 6, 25127.	3.3	80
5	Long-term effect of biochar on the stabilization of recent carbon: soils with historical inputs of charcoal. <i>GCB Bioenergy</i> , 2016, 8, 371-381.	5.6	71
6	Synchrotron-based Techniques Shed Light on Mechanisms of Plant Sensitivity and Tolerance to High Manganese in the Root Environment. <i>Plant Physiology</i> , 2015, 169, pp.00726.2015.	4.8	61
7	Soil Organic Carbon Stabilization: Mapping Carbon Speciation from Intact Microaggregates. <i>Environmental Science & Technology</i> , 2018, 52, 12275-12284.	10.0	50
8	Manganese Toxicity in Barley is Controlled by Solution Manganese and Soil Manganese Speciation. <i>Soil Science Society of America Journal</i> , 2012, 76, 399-407.	2.2	37
9	Retention of organophosphorous insecticides on a calcareous soil modified by organic amendments and a surfactant. <i>Science of the Total Environment</i> , 2007, 378, 109-113.	8.0	29
10	Mechanisms of enhanced mobilisation of trace metals by anionic surfactants in soil. <i>Environmental Pollution</i> , 2011, 159, 809-816.	7.5	29
11	Partitioning of carbon sources among functional pools to investigate short-term priming effects of biochar in soil: A ¹³ C study. <i>Science of the Total Environment</i> , 2016, 547, 30-38.	8.0	28
12	Response surface methodology for the microwave-assisted extraction of insecticides from soil samples. <i>Analytical and Bioanalytical Chemistry</i> , 2007, 389, 619-630.	3.7	24
13	Interaction of pesticides with a surfactant-modified soil interface: Effect of soil properties. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2007, 306, 49-55.	4.7	22
14	Dissipation of insecticides in a Mediterranean soil in the presence of wastewater and surfactant solutions. A kinetic model approach. <i>Water Research</i> , 2009, 43, 2481-2492.	11.3	21
15	Structural functionality, catalytic mechanism modeling and molecular allergenicity of phenylcoumaran benzylic ether reductase, an olive pollen (Ole e 12) allergen. <i>Journal of Computer-Aided Molecular Design</i> , 2013, 27, 873-895.	2.9	15
16	Environmental hazard of cadmium, copper, lead and zinc in metal-contaminated soils remediated by sulfosuccinamate formulation. <i>Journal of Environmental Monitoring</i> , 2011, 13, 2830.	2.1	14
17	Desorption of two organophosphorous pesticides from soil with wastewater and surfactant solutions. <i>Journal of Environmental Management</i> , 2012, 95, S223-S227.	7.8	14
18	Release of Metals from Metal-Amended Soil Treated with a Sulfosuccinamate Surfactant: Effects of Surfactant Concentration, Soil/Solution Ratio, and pH. <i>Journal of Environmental Quality</i> , 2010, 39, 1298-1305.	2.0	11

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19	SOLUBLE METAL POOL AS AFFECTED BY SOIL ADDITION WITH ORGANIC INPUTS. Environmental Toxicology and Chemistry, 2013, 32, 1027-1032.	4.3	8
20	Protein Bodies in Cotyledon Cells Exhibit Differential Patterns of Legumin-Like Proteins Mobilization during Seedling Germinating States. American Journal of Plant Sciences, 2013, 04, 2444-2454.	0.8	8
21	Carbon mineralization from sewage sludge-amended mine dump by response surface methodology. International Journal of Environmental Science and Technology, 2015, 12, 125-138.	3.5	6
22	Stability of Organic Matter in Anthropic Soils: A Spectroscopic Approach. , 0, , .		5
23	Metabolomics for Soil Contamination Assessment. , 0, , .		5
24	FTIR Analysis of Soil Organic Matter to Link the Turnover of Organic Inputs with Carbon Respiration Rates. , 2013, , 37-42.		2
25	The Role of Aluminum-Organo Complexes in Soil Organic Matter Dynamics. , 0, , .		1
26	Testing Methods for Agriculture and Food Safety. , 0, , .		1
27	Bioavailability and Redistribution of Trace Metals in Soil Washed with a Sulfosuccinamate Formulation. , 2010, , 91-93.		0
28	Molecular Composition of Microaggregates from Artificial Soils Based on Organic Wastes and Fe-Rich Mud by FTIR Analysis. , 2013, , 1137-1141.		0