Marta Fuentes

List of Publications by Year
in descending order

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Version: 2024-02-01

33	2,140	377584 21	425179 34
papers	citations	h-index	g-index

34	34	34	2522
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Maturation in composting process, an incipient humification-like step as multivariate statistical analysis of spectroscopic data shows. Environmental Research, 2020, 189, 109981.	3.7	19
2	Discriminating the Short-Term Action of Root and Foliar Application of Humic Acids on Plant Growth: Emerging Role of Jasmonic Acid. Frontiers in Plant Science, 2020, 11, 493.	1.7	27
3	Culturable Bacterial Endophytes From Sedimentary Humic Acid-Treated Plants. Frontiers in Plant Science, 2020, 11, 837.	1.7	17
4	Root ABA and H⁺â€ATPase are key players in the root and shoot growthâ€promoting action of humic acids. Plant Direct, 2019, 3, e00175.	0.8	32
5	Humic substances: a valuable agronomic tool for improving crop adaptation to saline water irrigation. Water Science and Technology: Water Supply, 2019, 19, 1735-1740.	1.0	18
6	New methodology to assess the quantity and quality of humic substances in organic materials and commercial products for agriculture. Journal of Soils and Sediments, 2018, 18, 1389-1399.	1.5	34
7	Hypothetical framework integrating the main mechanisms involved in the promoting action of rhizospheric humic substances on plant root- and shoot- growth. Applied Soil Ecology, 2018, 123, 521-537.	2.1	159
8	Complementary Evaluation of Iron Deficiency Root Responses to Assess the Effectiveness of Different Iron Foliar Applications for Chlorosis Remediation. Frontiers in Plant Science, 2018, 9, 351.	1.7	16
9	Involvement of Hormone- and ROS-Signaling Pathways in the Beneficial Action of Humic Substances on Plants Growing under Normal and Stressing Conditions. BioMed Research International, 2016, 2016, 1-13.	0.9	67
10	Incorporation of humic-derived active molecules into compound NPK granulated fertilizers: main technical difficulties and potential solutions. Chemical and Biological Technologies in Agriculture, 2016, 3, .	1.9	15
11	The effect of humic acids and their complexes with iron on the functional status of plants grown under iron deficiency. Eurasian Soil Science, 2016, 49, 1099-1108.	0.5	17
12	Root-Shoot Signaling crosstalk involved in the shoot growth promoting action of rhizospheric humic acids. Plant Signaling and Behavior, 2016, 11, e1161878.	1.2	14
13	ABA-regulation of root hydraulic conductivity and aquaporin gene- expression is crucial to the plant shoot rise caused by rhizosphere humic acids. Plant Physiology, 2015, 169, pp.00596.2015.	2.3	72
14	Mechanism of adsorption of different humic acid fractions on mesoporous activated carbons with basic surface characteristics. Adsorption, 2014, 20, 667-675.	1.4	19
15	Fine regulation of leaf iron use efficiency and iron root uptake under limited iron bioavailability. Plant Science, 2013, 198, 39-45.	1.7	34
16	Brassica napus Growth is Promoted by Ascophyllum nodosum (L.) Le Jol. Seaweed Extract: Microarray Analysis and Physiological Characterization of N, C, and S Metabolisms. Journal of Plant Growth Regulation, 2013, 32, 31-52.	2.8	192
17	Main binding sites involved in Fe(III) and Cu(II) complexation in humic-based structures. Journal of Geochemical Exploration, 2013, 129, 14-17.	1.5	42
18	The Relative Abundance of Oxygen Alkyl-Related Groups in Aliphatic Domains Is Involved in the Main Pharmacological-Pleiotropic Effects of Humic Acids. Journal of Medicinal Food, 2013, 16, 625-632.	0.8	14

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19	Microarray analysis of humic acid effects on Brassica napus growth: Involvement of N, C and S metabolisms. Plant and Soil, 2012, 359, 297-319.	1.8	149
20	Efficiency of a new strategy involving a new class of natural heteroâ€ligand iron(III) chelates (Fe(III)â€NHL) to improve fruit tree growth in alkaline/calcareous soils. Journal of the Science of Food and Agriculture, 2012, 92, 3065-3071.	1.7	5
21	Auxin: A major player in the shoot-to-root regulation of root Fe-stress physiological responses to Fe deficiency in cucumber plants. Plant Physiology and Biochemistry, 2011, 49, 545-556.	2.8	63
22	Growth and development of pepper are affected by humic substances derived from composted sludge. Journal of Plant Nutrition and Soil Science, 2011, 174, 916-924.	1.1	53
23	Pyrolysisâ€“Gas Chromatography/Mass Spectrometry Identification of Distinctive Structures Providing Humic Character to Organic Materials. Journal of Environmental Quality, 2010, 39, 1486-1497.	1.0	16
24	Singular Structural Features on Humic Fractions in Solution: Statistical Analysis of Diverse Analytical Techniques Spectra. Soil Science Society of America Journal, 2010, 74, 74-86.	1.2	3
25	Action of humic acid on promotion of cucumber shoot growth involves nitrate-related changes associated with the root-to-shoot distribution of cytokinins, polyamines and mineral nutrients. Journal of Plant Physiology, 2010, 167, 633-642.	1.6	188
26	The root application of a purified leonardite humic acid modifies the transcriptional regulation of the main physiological root responses to Fe deficiency in Fe-sufficient cucumber plants. Plant Physiology and Biochemistry, 2009, 47, 215-223.	2.8	89
27	Complementary Multianalytical Approach To Study the Distinctive Structural Features of the Main Humic Fractions in Solution: Gray Humic Acid, Brown Humic Acid, and Fulvic Acid. Journal of Agricultural and Food Chemistry, 2009, 57, 3266-3272.	2.4	81
28	Multivariate Statistical Analysis of Mass Spectra as a Tool for the Classification of the Main Humic Substances According to Their Structural and Conformational Features. Journal of Agricultural and Food Chemistry, 2008, 56, 5480-5487.	2.4	20
29	The complementary use of 1H NMR, 13C NMR, FTIR and size exclusion chromatography to investigate the principal structural changes associated with composting of organic materials with diverse origin. Organic Geochemistry, 2007, 38, 2012-2023.	0.9	72
30	Simultaneous Presence of Diverse Molecular Patterns in Humic Substances in Solution. Journal of Physical Chemistry B, 2007, 111, 10577-10582.	1.2	60
31	Analysis of molecular aggregation in humic substances in solution. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2007, 302, 301-306.	2.3	55
32	The usefulness of UVâ€“visible and fluorescence spectroscopies to study the chemical nature of humic substances from soils and composts. Organic Geochemistry, 2006, 37, 1949-1959.	0.9	225
33	The Aggregation of Cyclodextrins as Studied by Photon Correlation Spectroscopy. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2002, 44, 101-105.	1.6	197