

# Marta Fuentes

## List of Publications by Year in descending order

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Version: 2024-02-01

33  
papers

2,140  
citations

331670

21  
h-index

377865

34  
g-index

34  
all docs

34  
docs citations

34  
times ranked

2304  
citing authors

#	ARTICLE	IF	CITATIONS
1	The usefulness of UVâ€“visible and fluorescence spectroscopies to study the chemical nature of humic substances from soils and composts. <i>Organic Geochemistry</i> , 2006, 37, 1949-1959.	1.8	225
2	The Aggregation of Cyclodextrins as Studied by Photon Correlation Spectroscopy. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2002, 44, 101-105.	1.6	197
3	Brassica napus Growth is Promoted by Ascophyllum nodosum (L.) Le Jol. Seaweed Extract: Microarray Analysis and Physiological Characterization of N, C, and S Metabolisms. <i>Journal of Plant Growth Regulation</i> , 2013, 32, 31-52.	5.1	192
4	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. <i>Journal of Plant Physiology</i> , 2010, 167, 633-642.	3.5	188
5	Hypothetical framework integrating the main mechanisms involved in the promoting action of rhizospheric humic substances on plant root- and shoot- growth. <i>Applied Soil Ecology</i> , 2018, 123, 521-537.	4.3	159
6	Microarray analysis of humic acid effects on Brassica napus growth: Involvement of N, C and S metabolisms. <i>Plant and Soil</i> , 2012, 359, 297-319.	3.7	149
7	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. <i>Plant Physiology and Biochemistry</i> , 2009, 47, 215-223.	5.8	89
8	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. <i>Journal of Agricultural and Food Chemistry</i> , 2009, 57, 3266-3272.	5.2	81
9	The complementary use of <sup>1</sup> H NMR, <sup>13</sup> C NMR, FTIR and size exclusion chromatography to investigate the principal structural changes associated with composting of organic materials with diverse origin. <i>Organic Geochemistry</i> , 2007, 38, 1012-1023.	1.8	72
10	ABA-regulation of root hydraulic conductivity and aquaporin gene- expression is crucial to the plant shoot rise caused by rhizosphere humic acids. <i>Plant Physiology</i> , 2015, 169, pp.00596.2015.	4.8	72
11	Involvement of Hormone- and ROS-Signaling Pathways in the Beneficial Action of Humic Substances on Plants Growing under Normal and Stressing Conditions. <i>BioMed Research International</i> , 2016, 2016, 1-13.	1.9	67
12	Auxin: A major player in the shoot-to-root regulation of root Fe-stress physiological responses to Fe deficiency in cucumber plants. <i>Plant Physiology and Biochemistry</i> , 2011, 49, 545-556.	5.8	63
13	Simultaneous Presence of Diverse Molecular Patterns in Humic Substances in Solution. <i>Journal of Physical Chemistry B</i> , 2007, 111, 10577-10582.	2.6	60
14	Analysis of molecular aggregation in humic substances in solution. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2007, 302, 301-306.	4.7	55
15	Growth and development of pepper are affected by humic substances derived from composted sludge. <i>Journal of Plant Nutrition and Soil Science</i> , 2011, 174, 916-924.	1.9	53
16	Main binding sites involved in Fe(III) and Cu(II) complexation in humic-based structures. <i>Journal of Geochemical Exploration</i> , 2013, 129, 14-17.	3.2	42
17	Fine regulation of leaf iron use efficiency and iron root uptake under limited iron bioavailability. <i>Plant Science</i> , 2013, 198, 39-45.	3.6	34
18	New methodology to assess the quantity and quality of humic substances in organic materials and commercial products for agriculture. <i>Journal of Soils and Sediments</i> , 2018, 18, 1389-1399.	3.0	34

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19	Root ABA and H <sup>+</sup> ATPase are key players in the root and shoot growthâ€promoting action of humic acids. <i>Plant Direct</i> , 2019, 3, e00175.	1.9	32
20	Discriminating the Short-Term Action of Root and Foliar Application of Humic Acids on Plant Growth: Emerging Role of Jasmonic Acid. <i>Frontiers in Plant Science</i> , 2020, 11, 493.	3.6	27
21	Multivariate Statistical Analysis of Mass Spectra as a Tool for the Classification of the Main Humic Substances According to Their Structural and Conformational Features. <i>Journal of Agricultural and Food Chemistry</i> , 2008, 56, 5480-5487.	5.2	20
22	Mechanism of adsorption of different humic acid fractions on mesoporous activated carbons with basic surface characteristics. <i>Adsorption</i> , 2014, 20, 667-675.	3.0	19
23	Maturation in composting process, an incipient humification-like step as multivariate statistical analysis of spectroscopic data shows. <i>Environmental Research</i> , 2020, 189, 109981.	7.5	19
24	Humic substances: a valuable agronomic tool for improving crop adaptation to saline water irrigation. <i>Water Science and Technology: Water Supply</i> , 2019, 19, 1735-1740.	2.1	18
25	The effect of humic acids and their complexes with iron on the functional status of plants grown under iron deficiency. <i>Eurasian Soil Science</i> , 2016, 49, 1099-1108.	1.6	17
26	Culturable Bacterial Endophytes From Sedimentary Humic Acid-Treated Plants. <i>Frontiers in Plant Science</i> , 2020, 11, 837.	3.6	17
27	Pyrolysisâ€Gas Chromatography/Mass Spectrometry Identification of Distinctive Structures Providing Humic Character to Organic Materials. <i>Journal of Environmental Quality</i> , 2010, 39, 1486-1497.	2.0	16
28	Complementary Evaluation of Iron Deficiency Root Responses to Assess the Effectiveness of Different Iron Foliar Applications for Chlorosis Remediation. <i>Frontiers in Plant Science</i> , 2018, 9, 351.	3.6	16
29	Incorporation of humic-derived active molecules into compound NPK granulated fertilizers: main technical difficulties and potential solutions. <i>Chemical and Biological Technologies in Agriculture</i> , 2016, 3, .	4.6	15
30	The Relative Abundance of Oxygen Alkyl-Related Groups in Aliphatic Domains Is Involved in the Main Pharmacological-Pleiotropic Effects of Humic Acids. <i>Journal of Medicinal Food</i> , 2013, 16, 625-632.	1.5	14
31	Root-Shoot Signaling crosstalk involved in the shoot growth promoting action of rhizospheric humic acids. <i>Plant Signaling and Behavior</i> , 2016, 11, e1161878.	2.4	14
32	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. <i>Journal of the Science of Food and Agriculture</i> , 2012, 92, 3065-3071.	3.5	5
33	Singular Structural Features on Humic Fractions in Solution: Statistical Analysis of Diverse Analytical Techniques Spectra. <i>Soil Science Society of America Journal</i> , 2010, 74, 74-86.	2.2	3