

Marta Fuentes

List of Publications by Year in descending order

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Version: 2024-02-01

33
papers

2,140
citations

331642

21
h-index

377849

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 ¹ H NMR, ¹³ 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, 2012-2023. | 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 ⁺ -ATPase are key players in the root and shoot growth-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 | Pyrolysis-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 hetero-ligand iron(III) chelates (Fe(III)-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 |