Jose Maria Garcia-Mina

List of Publications by Year
in descending order

161	7,843	51	78
papers	citations	h-index	g-index
		36271	66879

167	167	167	8240
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Arbuscular mycorrhizal symbiosis induces strigolactone biosynthesis under drought and improves drought tolerance in lettuce and tomato. Plant, Cell and Environment, 2016, 39, 441-452.	2.8	321
2	Arbuscular mycorrhizal symbiosis influences strigolactone production under salinity and alleviates salt stress in lettuce plants. Journal of Plant Physiology, 2013, 170, 47-55.	1.6	299
3	Leaf mineral nutrient remobilization during leaf senescence and modulation by nutrient deficiency. Frontiers in Plant Science, 2015, 6, 317.	1.7	289
4	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
5	Ligand-receptor co-evolution shaped the jasmonate pathway in land plants. Nature Chemical Biology, 2018, 14, 480-488.	3.9	194
6	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
7	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
8	An OPR3-independent pathway uses 4,5-didehydrojasmonate for jasmonate synthesis. Nature Chemical Biology, 2018, 14, 171-178.	3.9	183
9	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
10	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
11	Involvement of plant endogenous ABA in Bacillus megaterium PGPR activity in tomato plants. BMC Plant Biology, 2014, 14, 36.	1.6	133
12	In Vitro Antioxidant and Anti-rhizopus Activities of Lamiaceae Herbal Extracts. Plant Foods for Human Nutrition, 2007, 62, 151-155.	1.4	125
13	Dâ€Root: a system for cultivating plants with the roots in darkness or under different light conditions. Plant Journal, 2015, 84, 244-255.	2.8	123
14	Structure-Property-Function Relationship in Humic Substances to Explain the Biological Activity in Plants. Scientific Reports, 2016, 6, 20798.	1.6	119
15	Metal-humic complexes and plant micronutrient uptake: a study based on different plant species cultivated in diverse soil types. Plant and Soil, 2004, 258, 57-68.	1.8	116
16	An endophytic Beauveria bassiana strain increases spike production in bread and durum wheat plants and effectively controls cotton leafworm (Spodoptera littoralis) larvae. Biological Control, 2018, 116, 90-102.	1.4	115
17	A Single JAZ Repressor Controls the Jasmonate Pathway in Marchantia polymorpha. Molecular Plant, 2019, 12, 185-198.	3.9	107
18	Design, Synthesis, and Biological Evaluation of Phosphoramide Derivatives as Urease Inhibitors. Journal of Agricultural and Food Chemistry, 2008, 56, 3721-3731.	2.4	103

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19	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
20	Enhancement of root hydraulic conductivity by methyl jasmonate and the role of calcium and abscisic acid in this process. Plant, Cell and Environment, 2014, 37, 995-1008.	2.8	88
21	Stability, solubility and maximum metal binding capacity in metalâ€œhumic complexes involving humic substances extracted from peat and organic compost. Organic Geochemistry, 2006, 37, 1960-1972.	0.9	87
22	Arbuscular mycorrhizal symbiosis and methyl jasmonate avoid the inhibition of root hydraulic conductivity caused by drought. Mycorrhiza, 2016, 26, 111-122.	1.3	86
23	Physicoâ€chemical characterization of humicâ€metalâ€phosphate complexes and their potential application to the manufacture of new types of phosphateâ€based fertilizers. Journal of Plant Nutrition and Soil Science, 2014, 177, 128-136.	1.1	83
24	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
25	Efficiency of urease and nitrification inhibitors in reducing ammonia volatilization from diverse nitrogen fertilizers applied to different soil types and wheat straw mulching. Journal of the Science of Food and Agriculture, 2011, 91, 1569-1575.	1.7	80
26	The humic acid-induced changes in the root concentration of nitric oxide, IAA and ethylene do not explain the changes in root architecture caused by humic acid in cucumber. Environmental and Experimental Botany, 2012, 76, 24-32.	2.0	77
27	Two Biostimulants Derived from Algae or Humic Acid Induce Similar Responses in the Mineral Content and Gene Expression of Winter Oilseed Rape (Brassica napus L.). Journal of Plant Growth Regulation, 2014, 33, 305-316.	2.8	76
28	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
29	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
30	Vermicompost humic acids modulate the accumulation and metabolism of ROS in rice plants. Journal of Plant Physiology, 2016, 192, 56-63.	1.6	72
31	Role of cisâ€zeatin in root responses to phosphate starvation. New Phytologist, 2019, 224, 242-257.	3.5	72
32	Antioxidant and Antifungal Activity of Verbena officinalis L. Leaves. Plant Foods for Human Nutrition, 2008, 63, 93-97.	1.4	70
33	Electrochemical and theoretical complexation studies for Zn and Cu with individual polyphenols. Analytica Chimica Acta, 2005, 543, 267-274.	2.6	69
34	An Ancient COI1-Independent Function for Reactive Electrophilic Oxylipins in Thermotolerance. Current Biology, 2020, 30, 962-971.e3.	1.8	68
35	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
36	CUL3 ^{BPM} E3 ubiquitin ligases regulate MYC2, MYC3, and MYC4 stability and JA responses. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 6205-6215.	3.3	67

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37	Improvement of Nutritional Quality of Greenhouse-Grown Lettuce by Arbuscular Mycorrhizal Fungi Is Conditioned by the Source of Phosphorus Nutrition. Journal of Agricultural and Food Chemistry, 2011, 59, 11129-11140.	2.4	63
38	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
39	Effect of N-(n-butyl) thiophosphoric triamide on urea metabolism and the assimilation of ammonium by Triticum aestivum L.. Plant Growth Regulation, 2011, 63, 73-79.	1.8	61
40	The Symbiosis with the Arbuscular Mycorrhizal Fungus Rhizophagus irregularis Drives Root Water Transport in Flooded Tomato Plants. Plant and Cell Physiology, 2014, 55, 1017-1029.	1.5	61
41	Simultaneous Presence of Diverse Molecular Patterns in Humic Substances in Solution. Journal of Physical Chemistry B, 2007, 111, 10577-10582.	1.2	60
42	Arbuscular mycorrhizal symbiosis and salicylic acid regulate aquaporins and root hydraulic properties in maize plants subjected to drought. Agricultural Water Management, 2018, 202, 271-284.	2.4	56
43	The importance of nitrate in ameliorating the effects of ammonium and urea nutrition on plant development: the relationships with free polyamines and plant proline contents. Functional Plant Biology, 2005, 32, 1057.	1.1	55
44	Analysis of molecular aggregation in humic substances in solution. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2007, 302, 301-306.	2.3	55
45	Title is missing!. European Journal of Plant Pathology, 2000, 106, 19-25.	0.8	54
46	Changes in the C/N balance caused by increasing external ammonium concentrations are driven by carbon and energy availabilities during ammonium nutrition in pea plants: the key roles of asparagine synthetase and anaplerotic enzymes. Physiologia Plantarum, 2013, 148, 522-537.	2.6	54
47	Screening of Spanish Medicinal Plants for Antioxidant and Antifungal Activities. Pharmaceutical Biology, 2008, 46, 602-609.	1.3	53
48	The signal effect of nitrate supply enhances active forms of cytokinins and indole acetic content and reduces abscisic acid in wheat plants grown with ammonium. Journal of Plant Physiology, 2010, 167, 1264-1272.	1.6	53
49	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
50	Iron-dependent modifications of the flower transcriptome, proteome, metabolome, and hormonal content in an Arabidopsis ferritin mutant. Journal of Experimental Botany, 2013, 64, 2665-2688.	2.4	52
51	NO and IAA Key Regulators in the Shoot Growth Promoting Action of Humic Acid in Cucumis sativus L.. Journal of Plant Growth Regulation, 2014, 33, 430-439.	2.8	51
52	An Evolutionarily Ancient Immune System Governs the Interactions between Pseudomonas syringae and an Early-Diverging Land Plant Lineage. Current Biology, 2019, 29, 2270-2281.e4.	1.8	50
53	Nitrogen assimilation and transpiration: key processes conditioning responsiveness of wheat to elevated [<scp>CO₂</scp>] and temperature. Physiologia Plantarum, 2015, 155, 338-354.	2.6	48
54	Structureâ€“Propertyâ€“Function Relationship of Humic Substances in Modulating the Root Growth of Plants: A Review. Journal of Environmental Quality, 2019, 48, 1622-1632.	1.0	48

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55	Theoretical chemical characterization of phosphateâ€metalâ€“humic complexes and relationships with their effects on both phosphorus soil fixation and phosphorus availability for plants. Journal of the Science of Food and Agriculture, 2013, 93, 293-303.	1.7	47
56	Supramolecular association induced by Fe(III) in low molecular weight sodium polyacrylate. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2007, 292, 212-216.	2.3	46
57	Regulation of hormonal responses of sweet pepper as affected by salinity and elevated <scp>CO₂</scp> concentration. Physiologia Plantarum, 2014, 151, 375-389.	2.6	46
58	Optical Enhancing Properties of Anisotropic Gold Nanoplates Prepared with Different Fractions of a Natural Humic Substance. Chemistry of Materials, 2008, 20, 1516-1521.	3.2	45
59	Hydroponics versus field lysimeter studies of urea, ammonium and nitrate uptake by oilseed rape(Brassica napus L.). Journal of Experimental Botany, 2012, 63, 5245-5258.	2.4	43
60	Cytokinin determines thiol-mediated arsenic tolerance and accumulation in Arabidopsis thaliana. Plant Physiology, 2016, 171, pp.00372.2016.	2.3	43
61	Shoot iron status and auxin are involved in iron deficiency-induced phytosiderophores release in wheat. BMC Plant Biology, 2018, 18, 105.	1.6	43
62	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
63	Effects of IAA and IAA precursors on the development, mineral nutrition, IAA content and free polyamine content of pepper plants cultivated in hydroponic conditions. Scientia Horticulturae, 2005, 106, 38-52.	1.7	41
64	Copper-Deficiency in Brassica napus Induces Copper Remobilization, Molybdenum Accumulation and Modification of the Expression of Chloroplastic Proteins. PLoS ONE, 2014, 9, e109889.	1.1	41
65	Arabidopsis ALIX Regulates Stomatal Aperture and Turnover of Abscisic Acid Receptors. Plant Cell, 2019, 31, 2411-2429.	3.1	40
66	A Shoot Fe Signaling Pathway Requiring the OPT3 Transporter Controls GSNO Reductase and Ethylene in Arabidopsis thaliana Roots. Frontiers in Plant Science, 2018, 9, 1325.	1.7	39
67	Structural Characteristics of Phosphoramide Derivatives as Urease Inhibitors. Requirements for Activity. Journal of Agricultural and Food Chemistry, 2008, 56, 8451-8460.	2.4	38
68	Determination of Organic Acids in Tissues and Exudates of Maize, Lupin, and Chickpea by High-Performance Liquid Chromatographyâˆ’Tandem Mass Spectrometry. Journal of Agricultural and Food Chemistry, 2009, 57, 4004-4010.	2.4	38
69	Organic Complexed Superphosphates (CSP): Physicochemical Characterization and Agronomical Properties. Journal of Agricultural and Food Chemistry, 2012, 60, 2008-2017.	2.4	38
70	Size Distribution, Complexing Capacity, and Stability of Phosphateâˆ’Metalâˆ’Humic Complexes. Journal of Agricultural and Food Chemistry, 2007, 55, 408-413.	2.4	37
71	Effects of individual and combined metal foliar fertilisers on iron- and manganese-deficient Solanum lycopersicum plants. Plant and Soil, 2016, 402, 27-45.	1.8	37
72	Characterization of Commercial Iron Chelates and Their Behavior in an Alkaline and Calcareous Soil. Journal of Agricultural and Food Chemistry, 2002, 50, 7609-7615.	2.4	35

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73	Radial water transport in arbuscular mycorrhizal maize plants under drought stress conditions is affected by indole-acetic acid (IAA) application. Journal of Plant Physiology, 2020, 246-247, 153115.	1.6	35
74	Fine regulation of leaf iron use efficiency and iron root uptake under limited iron bioavailability. Plant Science, 2013, 198, 39-45.	1.7	34
75	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
76	Effect of sulphur deprivation on osmotic potential components and nitrogen metabolism in oilseed rape leaves: identification of a new early indicator. Journal of Experimental Botany, 2015, 66, 6175-6189.	2.4	33
77	Spatial control of potato tuberization by the TCP transcription factor BRANCHED1b. Nature Plants, 2022, 8, 281-294.	4.7	33
78	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
79	Comparison of Two Analytical Methods for the Evaluation of the Complexed Metal in Fertilizers and the Complexing Capacity of Complexing Agents. Journal of Agricultural and Food Chemistry, 2007, 55, 5746-5753.	2.4	31
80	Nitrate supply induces changes in polyamine content and ethylene production in wheat plants grown with ammonium. Journal of Plant Physiology, 2009, 166, 363-374.	1.6	31
81	Local root ABA/cytokinin status and aquaporins regulate poplar responses to mild drought stress independently of the ectomycorrhizal fungus Laccaria bicolor. Journal of Experimental Botany, 2019, 70, 6437-6446.	2.4	31
82	Key Roles of Size and Crystallinity of Nanosized Iron Hydr(oxides) Stabilized by Humic Substances in Iron Bioavailability to Plants. Journal of Agricultural and Food Chemistry, 2017, 65, 11157-11169.	2.4	30
83	Relationship between the Hormonal Balance and the Regulation of Iron Deficiency Stress Responses in Cucumber. Journal of the American Society for Horticultural Science, 2009, 134, 589-601.	0.5	30
84	Evolution of metal and polyphenol content over a 1-year period of vinification: sample fractionation and correlation between metals and anthocyanins. Analytica Chimica Acta, 2004, 524, 215-224.	2.6	28
85	Development and Agronomical Validation of New Fertilizer Compositions of High Bioavailability and Reduced Potential Nutrient Losses. Journal of Agricultural and Food Chemistry, 2007, 55, 7831-7839.	2.4	28
86	Alleviation of verticillium wilt in pepper (Capsicum annuum L.) by using the organic amendment COA H of natural origin. Scientia Horticulturae, 2004, 101, 23-37.	1.7	27
87	Involvement of the def-1 Mutation in the Response of Tomato Plants to Arbuscular Mycorrhizal Symbiosis Under Well-Watered and Drought Conditions. Plant and Cell Physiology, 2018, 59, 248-261.	1.5	27
88	Elevated CO2 has concurrent effects on leaf and grain metabolism but minimal effects on yield in wheat. Journal of Experimental Botany, 2020, 71, 5990-6003.	2.4	27
89	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
90	Glucan and Humic Acid: Synergistic Effects on the Immune System. Journal of Medicinal Food, 2010, 13, 863-869.	0.8	26

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91	Extraction and Determination of Glycinebetaine in Liquid Fertilizers. Journal of Agricultural and Food Chemistry, 1997, 45, 774-776.	2.4	25
92	Mg deficiency affects leaf Mg remobilization and the proteome in Brassica napus. Plant Physiology and Biochemistry, 2016, 107, 337-343.	2.8	25
93	Transcriptomic analysis reveals the importance of JA-Ile turnover in the response of Arabidopsis plants to plant growth promoting rhizobacteria and salinity. Environmental and Experimental Botany, 2017, 143, 10-19.	2.0	24
94	Iron Efficiency in Different Cucumber Cultivars: The Importance of Optimizing the Use of Foliar Iron. Journal of the American Society for Horticultural Science, 2009, 134, 405-416.	0.5	23
95	Complexing capacity profiles of naturally occurring ligands in Tempranillo wines for Cu and Zn. Analytica Chimica Acta, 2007, 599, 67-75.	2.6	22
96	Effect of Water Stress during Grain Filling on Yield, Quality and Physiological Traits of Illpa and Rainbow Quinoa (Chenopodium quinoa Willd.) Cultivars. Plants, 2019, 8, 173.	1.6	22
97	Alternative Polyadenylation and Salicylic Acid Modulate Root Responses to Low Nitrogen Availability. Plants, 2020, 9, 251.	1.6	22
98	Arsenite provides a selective signal that coordinates arsenate uptake and detoxification through the regulation of PHR1 stability in Arabidopsis. Molecular Plant, 2021, 14, 1489-1507.	3.9	21
99	Methodological Approach to the Study of the Formation and Physicochemical Properties of Phosphateâ^'Metalâ^'Humic Complexes in Solution. Journal of Agricultural and Food Chemistry, 2005, 53, 8673-8678.	2.4	20
100	Clover and ryegrass are tolerant species to ammonium nutrition. Journal of Plant Physiology, 2007, 164, 1583-1594.	1.6	20
101	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
102	Nitrate modifies urea root uptake and assimilation in wheat seedlings. Journal of the Science of Food and Agriculture, 2009, 89, 55-62.	1.7	20
103	Interaction of Different Iron Chelates with an Alkaline and Calcareous Soil: A Complementary Methodology to Evaluate the Performance of Iron Compounds in the Correction of Iron Chlorosis. Journal of Plant Nutrition, 2003, 26, 1943-1954.	0.9	19
104	Possible mechanism of the nitrate action regulating free-putrescine accumulation in ammonium fed plants. Plant Science, 2008, 175, 731-739.	1.7	19
105	Nitrate modifies the assimilation pattern of ammonium and urea in wheat seedlings. Journal of the Science of Food and Agriculture, 2010, 90, 357-369.	1.7	19
106	Mechanism of adsorption of different humic acid fractions on mesoporous activated carbons with basic surface characteristics. Adsorption, 2014, 20, 667-675.	1.4	19
107	Zn deficiency in Brassica napus induces Mo and Mn accumulation associated with chloroplast proteins variation without Zn remobilization. Plant Physiology and Biochemistry, 2015, 86, 66-71.	2.8	19
108	Both Free Indole-3-Acetic Acid and Photosynthetic Performance are Important Players in the Response of Medicago truncatula to Urea and Ammonium Nutrition Under Axenic Conditions. Frontiers in Plant Science, 2016, 7, 140.	1.7	19

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109	Physiological responses of grapevines to biodynamic management. Renewable Agriculture and Food Systems, 2016, 31, 402-413.	0.8	19
110	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
111	Distribution and secondary effects of EDDHA in some vegetable species. Soil Science and Plant Nutrition, 2004, 50, 1103-1110.	0.8	18
112	Some Structural and Electronic Features of the Interaction of Phosphate with Metalâ^'Humic Complexes. Journal of Agricultural and Food Chemistry, 2008, 56, 1035-1042.	2.4	18
113	31P NMR Characterization and Efficiency of New Types of Water-Insoluble Phosphate Fertilizers To Supply Plant-Available Phosphorus in Diverse Soil Types. Journal of Agricultural and Food Chemistry, 2011, 59, 1900-1908.	2.4	18
114	Ethylene and Phloem Signals Are Involved in the Regulation of Responses to Fe and P Deficiencies in Roots of Strategy I Plants. Frontiers in Plant Science, 2019, 10, 1237.	1.7	18
115	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
116	A physiological and molecular study of the effects of nickel deficiency and phenylphosphorodiamidate (PPD) application on urea metabolism in oilseed rape (Brassica napus L.). Plant and Soil, 2013, 362, 79-92.	1.8	17
117	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
118	Structure-function relationship of vermicompost humic fractions for use in agriculture. Journal of Soils and Sediments, 2018, 18, 1365-1375.	1.5	17
119	Humic substances and nature-like technologies. Journal of Soils and Sediments, 2019, 19, 2663-2664.	1.5	17
120	Phosphorus pool responses under different P inorganic fertilizers for a eucalyptus plantation in a loamy Oxisol. Forest Ecology and Management, 2019, 435, 170-179.	1.4	17
121	Culturable Bacterial Endophytes From Sedimentary Humic Acid-Treated Plants. Frontiers in Plant Science, 2020, 11, 837.	1.7	17
122	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
123	Structural Characterization of Anionâ€"Calciumâ€"Humate Complexes in Phosphateâ€based Fertilizers. ChemSusChem, 2013, 6, 1245-1251.	3.6	16
124	Tomato ethylene sensitivity determines interaction with plant growth-promoting bacteria. Annals of Botany, 2017, 120, 101-122.	1.4	16
125	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
126	Advantages and Limitations of the Use of an Extended Polyelectrolyte Model to Describe the Proton-Binding Process in Macromolecular Systems. Application to a Poly(acrylic acid) and a Humic Acid. Journal of Physical Chemistry B, 2007, 111, 4488-4494.	1.2	15

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127	Iron deficiency enhances bioactive phenolics in lemon juice. Journal of the Science of Food and Agriculture, 2011, 91, n/a-n/a.	1.7	15
128	Agronomic improvements through the genetic and physiological regulation of nitrogen uptake in wheat (Triticum aestivum L.). Plant Biotechnology Reports, 2013, 7, 129-139.	0.9	15
129	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
130	Nitrogen fertiliser source effects on the growth and mineral nutrition of pepper (Capsicum annuum) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 2099-2105.	1.7	14
131	Ureic Nitrogen Transformation in Multi-Layer Soil Columns Treated with Urease and Nitrification Inhibitors. Journal of Agricultural and Food Chemistry, 2009, 57, 4883-4887.	2.4	14
132	Effect of organic-complexed superphosphates on microbial biomass and microbial activity of soil. Biology and Fertility of Soils, 2013, 49, 395-401.	2.3	14
133	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
134	Humic Acid and Glucan: Protection Against Liver Injury Induced by Carbon Tetrachloride. Journal of Medicinal Food, 2015, 18, 572-577.	0.8	14
135	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
136	Root Silicon Addition Induces Fe Deficiency in Cucumber Plants, but Facilitates Their Recovery After Fe Resupply. A Comparison With Si Foliar Sprays. Frontiers in Plant Science, 2020, 11, 580552.	1.7	14
137	Humic acids enrich the plant microbiota with bacterial candidates for the suppression of pathogens. Applied Soil Ecology, 2021, 168, 104146.	2.1	13
138	Anti-inflammatory, antioxidant and antifungal activity ofChuquiraga spinosa. Pharmaceutical Biology, 2011, 49, 620-626.	1.3	12
139	Microbial and hydrolase activity after release of indoleacetic acid and ethyleneâ€“polyamine precursors by a model root surface. Applied Soil Ecology, 2011, 47, 106-110.	2.1	12
140	The Singular Molecular Conformation of Humic Acids in Solution Influences Their Ability to Enhance Root Hydraulic Conductivity and Plant Growth. Molecules, 2021, 26, 3.	1.7	12
141	An evolutionarily ancient fatty acid desaturase is required for the synthesis of hexadecatrienoic acid, which is the main source of the bioactive jasmonate in <i>Marchantia polymorpha</i>. New Phytologist, 2022, 233, 1401-1413.	3.5	12
142	From algal polysaccharides to cyclodextrins to stabilize a urease inhibitor. Carbohydrate Polymers, 2014, 112, 145-151.	5.1	11
143	Ability of various water-insoluble fertilizers to supply available phosphorus in hydroponics to plant species with diverse phosphorus-acquisition efficiency: Involvement of organic acid accumulation in plant tissues and root exudates. Journal of Plant Nutrition and Soil Science, 2010, 173, 772-777.	1.1	10
144	Biochar-Ca and Biochar-Al/-Fe-Mediated Phosphate Exchange Capacity are Main Drivers of the Different Biochar Effects on Plants in Acidic and Alkaline Soils. Agronomy, 2020, 10, 968.	1.3	10

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145	Ethylene sensitivity and relative air humidity regulate root hydraulic properties in tomato plants. Planta, 2017, 246, 987-997.	1.6	8
146	Improving the short-term efficiency of rock phosphate-based fertilizers in pastures by using edaphic biostimulants. Chemical and Biological Technologies in Agriculture, 2016, 3, .	1.9	7
147	Prophylactic effects of humic acid and #8211; glucan combination against experimental liver injury. Journal of Intercultural Ethnopharmacology, 2015, 4, 249.	0.9	7
148	Comparison of different phosphorusâ€fertiliser matrices to induce the recovery of phosphorusâ€deficient maize plants. Journal of the Science of Food and Agriculture, 2009, 89, 927-934.	1.7	6
149	Both chemical and crystalline phase configuration influence the molecular features of humic acids in humicâ€"calciumâ€"phosphates fertilizers. RSC Advances, 2019, 9, 25790-25796.	1.7	6
150	A new methodology for studying the performance of products against ruminal acidosis. Journal of the Science of Food and Agriculture, 2003, 83, 1607-1612.	1.7	5
151	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
152	Humic substances and living systems: Impact on environmental and human health. Environmental Research, 2021, 194, 110726.	3.7	5
153	New Amphiphilic Composite for Preparing Efficient Coated Potassium-Fertilizers for Top-Dressing Fertilization of Annual Crops. Journal of Agricultural and Food Chemistry, 2018, 66, 4787-4799.	2.4	4
154	Editorial: Molecular Characterization of Humic Substances and Regulatory Processes Activated in Plants. Frontiers in Plant Science, 2022, 13, 851451.	1.7	4
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