

CITATION REPORT

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Humic substances stimulate maize nitrogen assimilation and amino acid metabolism at physiological and molecular level

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Chemical and Biological Technologies in Agriculture, 2015, 2, 5.

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#	Paper	IF	Citations
43	Transcriptome Analysis of Gelatin Seed Treatment as a Biostimulant of Cucumber Plant Growth. <i>Scientific World Journal, The</i> , 2015 , 2015, 391234	2.2	18
42	Humic and fulvic acids as biostimulants in horticulture. <i>Scientia Horticulturae</i> , 2015 , 196, 15-27	4.1	352
41	Humic-like bioactivity on emergence and early growth of maize (<i>Zea mays</i> L.) of water-soluble lignins isolated from biomass for energy. <i>Plant and Soil</i> , 2016 , 402, 221-233	4.2	36
40	Enhancing sustainability of a processing tomato cultivation system by using bioactive compost teas. <i>Scientia Horticulturae</i> , 2016 , 202, 117-124	4.1	34
39	Molecular characteristics of water-extractable organic matter from different composted biomasses and their effects on seed germination and early growth of maize. <i>Science of the Total Environment</i> , 2017 , 590-591, 40-49	10.2	41
38	Humic-Like Water-Soluble Lignins from Giant Reed (<i>Arundo donax</i> L.) Display Hormone-Like Activity on Plant Growth. <i>Journal of Plant Growth Regulation</i> , 2017 , 36, 995-1001	4.7	24
37	Effects of humic substances and indole-3-acetic acid on Arabidopsis sugar and amino acid metabolic profile. <i>Plant and Soil</i> , 2018 , 426, 17-32	4.2	21
36	Water-extractable humic substances speed up transcriptional response of maize roots to nitrate. <i>Environmental and Experimental Botany</i> , 2018 , 147, 167-178	5.9	27
35	Bioactivity of humic substances and water extracts from compost made by ligno-cellulose wastes from biorefinery. <i>Science of the Total Environment</i> , 2019 , 646, 792-800	10.2	39
34	Humic Acids Interfere with Nutrient Sensing in Plants Owing to the Differential Expression of TOR. <i>Journal of Plant Growth Regulation</i> , 2019 , 38, 216-224	4.7	7
33	Metabolite fingerprints of maize and sugarcane seedlings: searching for markers after inoculation with plant growth-promoting bacteria in humic acids. <i>Chemical and Biological Technologies in Agriculture</i> , 2019 , 6,	4.4	11
32	Effects of Two Protein Hydrolysates Obtained From Chickpea (L.) and on (L.) Plants. <i>Frontiers in Plant Science</i> , 2019 , 10, 954	6.2	17
31	Evaluation of the effects of humic acids on maize root architecture by label-free proteomics analysis. <i>Scientific Reports</i> , 2019 , 9, 12019	4.9	17
30	Humic Substances Contribute to Plant Iron Nutrition Acting as Chelators and Biostimulants. <i>Frontiers in Plant Science</i> , 2019 , 10, 675	6.2	70
29	The Soil Humeome: Chemical Structure, Functions and Technological Perspectives. 2019 , 183-222		14
28	Effects of controlled-release urea combined with fulvic acid on soil inorganic nitrogen, leaf senescence and yield of cotton. <i>Scientific Reports</i> , 2020 , 10, 17135	4.9	3
27	Interaction between Humic Substances and Plant Hormones for Phosphorous Acquisition. <i>Agronomy</i> , 2020 , 10, 640	3.6	20

26	An investigation into the beneficial effects and molecular mechanisms of humic acid on foxtail millet under drought conditions. <i>PLoS ONE</i> , 2020 , 15, e0234029	3.7	2
25	Fulvic acid increases forage legume growth inducing preferential up-regulation of nodulation and signalling-related genes. <i>Journal of Experimental Botany</i> , 2020 , 71, 5689-5704	7	5
24	Leonardite iron humate and synthetic iron chelate mixtures in Glycine max nutrition. <i>Journal of the Science of Food and Agriculture</i> , 2021 , 101, 4207-4219	4.3	1
23	A Metabolic Choreography of Maize Plants Treated with a Humic Substance-Based Biostimulant under Normal and Starved Conditions. <i>Metabolites</i> , 2021 , 11,	5.6	10
22	Effects of Biostimulants and Fertilization on Nutrient Uptake by Grass and Composition of Soil Pore Water Versus 0.01 M CaCl ₂ Soil Extracts. <i>Communications in Soil Science and Plant Analysis</i> , 2021 , 52, 2516-2532 ⁰	1.5	2
21	Biowaste-Derived Humic-like Substances Improve Growth and Quality of Orange Jasmine (<i>Murraya paniculata</i> L. Jacq.) Plants in Soilless Potted Culture. <i>Resources</i> , 2021 , 10, 80	3.7	2
20	 2017 , 84	1.2	3
19	Humic acids from vermicompost positively influence the nutrient uptake in mangosteen seedlings ¹ . <i>Pesquisa Agropecuaria Tropical</i> , 49,	1.2	1
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17	Ginger Extract and Fulvic Acid Foliar Applications as Novel Practical Approaches to Improve the Growth and Productivity of Damask Rose.. <i>Plants</i> , 2022 , 11,	4.5	3
16	Application of Humic Substances in Agricultural Industry. <i>Agronomy</i> , 2022 , 12, 584	3.6	0
15	Understanding the Role of Humic Acids on Crop Performance and Soil Health. <i>Frontiers in Agronomy</i> , 2022 , 4,	4	2
14	Humic acid complex formation with urea alters its structure and enhances biomass production in hydroponic maize. <i>Journal of the Science of Food and Agriculture</i> , 2021 ,	4.3	0
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11	The Combined Application of Urea and Fulvic Acid Solution Improved Maize Carbon and Nitrogen Metabolism. <i>Agronomy</i> , 2022 , 12, 1400	3.6	0
10	Pancar Fidelerinin Biyokimyasal ve Kalitesine Toprak Biyostimulant Uygulamalarının Etkisi. <i>Mustafa Kemal Üniversitesi Tarım Bilimleri Dergisi</i> , 2022 , 27, 272-277	0.3	
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- 8 Use of Organic Materials to Limit the Potential Negative Effect of Nitrogen on Maize in Different Soils. **2022**, 15, 5755 ○
- 7 Combination of humic biostimulants with a microbial inoculum improves lettuce productivity, nutrient uptake, and primary and secondary metabolism. ○
- 6 Light-emitting diode combined with humic acid improve the nutritional quality and enzyme activities of nitrate assimilation in rocket (*Eruca sativa* (Mill.) Thell.). **2022**, 187, 11-24
- 5 Properties of Humic Acid Substances and Their Effect in Soil Quality and Plant Health. 1
- 4 Changes in Metabolic Profile of Rice Leaves Induced by Humic Acids. **2022**, 11, 3261 ○
- 3 Physiological and Transcriptomic Analyses Revealed That Humic Acids Improve Low-Temperature Stress Tolerance in Zucchini (*Cucurbita pepo* L.) Seedlings. **2023**, 12, 548 ○
- 2 Humic acids induce the expression of nitrate transporters in passion-fruit seedlings. 45, ○
- 1 The Influence of Humic Acids and Nitrophenols on Metabolic Compounds and Pesticide Behavior in Wheat under Biotic Stress. **2023**, 13, 1378 ○