

Haixing Song

List of Publications by Year in descending order

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papers

1,885
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279798

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36
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docs citations

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times ranked

948
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#	ARTICLE	IF	CITATIONS
1	Foliar Application of Zinc Oxide Nanoparticles Promotes Drought Stress Tolerance in Eggplant (<i>Solanum melongena</i> L.). <i>Plants</i> , 2021, 10, 421.	3.5	153
2	Improving the humification and phosphorus flow during swine manure composting: A trial for enhancing the beneficial applications of hazardous biowastes. <i>Journal of Hazardous Materials</i> , 2022, 425, 127906.	12.4	83
3	Modeling the combined impacts of deficit irrigation, rising temperature and compost application on wheat yield and water productivity. <i>Agricultural Water Management</i> , 2021, 244, 106626.	5.6	78
4	Influence of Nano Silicon and Nano Selenium on Root Characters, Growth, Ion Selectivity, Yield, and Yield Components of Rice (<i>Oryza sativa</i> L.) under Salinity Conditions. <i>Plants</i> , 2021, 10, 1657.	3.5	67
5	Exogenous Gibberellic Acid or Dilute Bee Honey Boosts Drought Stress Tolerance in <i>Vicia faba</i> by Rebalancing Osmoprotectants, Antioxidants, Nutrients, and Phytohormones. <i>Plants</i> , 2021, 10, 748.	3.5	65
6	Boron alleviates cadmium toxicity in <i>Brassica napus</i> by promoting the chelation of cadmium onto the root cell wall components. <i>Science of the Total Environment</i> , 2020, 728, 138833.	8.0	63
7	Exogenously Used 24-Epibrassinolide Promotes Drought Tolerance in Maize Hybrids by Improving Plant and Water Productivity in an Arid Environment. <i>Plants</i> , 2021, 10, 354.	3.5	60
8	Boron mitigates cadmium toxicity to rapeseed (<i>Brassica napus</i>) shoots by relieving oxidative stress and enhancing cadmium chelation onto cell walls. <i>Environmental Pollution</i> , 2020, 263, 114546.	7.5	53
9	Reducing ammonia volatilization and increasing nitrogen use efficiency in machine-transplanted rice with side-deep fertilization in a double-cropping rice system in Southern China. <i>Agriculture, Ecosystems and Environment</i> , 2021, 306, 107183.	5.3	51
10	Application of biostimulants promotes growth and productivity by fortifying the antioxidant machinery and suppressing oxidative stress in faba bean under various abiotic stresses. <i>Scientia Horticulturae</i> , 2021, 288, 110340.	3.6	49
11	Herbal plants- and rice straw-derived biochars reduced metal mobilization in fishpond sediments and improved their potential as fertilizers. <i>Science of the Total Environment</i> , 2022, 826, 154043.	8.0	49
12	Biochar impacts on NH ₃ -volatilization kinetics and growth of sweet basil (<i>Ocimum basilicum</i> L.) under saline conditions. <i>Industrial Crops and Products</i> , 2020, 157, 112903.	5.2	48
13	Biochar and compost enhance soil quality and growth of roselle (<i>Hibiscus sabdariffa</i> L.) under saline conditions. <i>Scientific Reports</i> , 2021, 11, 8739.	3.3	45
14	Evaluation of quality and growth of roselle (<i>Hibiscus sabdariffa</i> L.) as affected by bio-fertilizers. <i>Journal of Plant Nutrition</i> , 2020, 43, 1025-1035.	1.9	44
15	<i>Brevundimonas diminuta</i> isolated from mines polluted soil immobilized cadmium (Cd ²⁺) and zinc (Zn ²⁺) through calcium carbonate precipitation: Microscopic and spectroscopic investigations. <i>Science of the Total Environment</i> , 2022, 813, 152668.	8.0	44
16	Foliar Nourishment with Nano-Selenium Dioxide Promotes Physiology, Biochemistry, Antioxidant Defenses, and Salt Tolerance in <i>Phaseolus vulgaris</i> . <i>Plants</i> , 2021, 10, 1189.	3.5	41
17	Effects of microorganism-mediated inoculants on humification processes and phosphorus dynamics during the aerobic composting of swine manure. <i>Journal of Hazardous Materials</i> , 2021, 416, 125738.	12.4	37
18	Effects of sheep bone biochar on soil quality, maize growth, and fractionation and phytoavailability of Cd and Zn in a mining-contaminated soil. <i>Chemosphere</i> , 2021, 282, 131016.	8.2	36

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19	Modeling deficit irrigation-based evapotranspiration optimizes wheat yield and water productivity in arid regions. <i>Agricultural Water Management</i> , 2021, 256, 107122.	5.6	34
20	Controlled-release N fertilizer to mitigate ammonia volatilization from double-cropping rice. <i>Nutrient Cycling in Agroecosystems</i> , 2021, 119, 123-137.	2.2	33
21	Wheat and maize-derived water-washed and unwashed biochar improved the nutrients phytoavailability and the grain and straw yield of rice and wheat: A field trial for sustainable management of paddy soils. <i>Journal of Environmental Management</i> , 2021, 297, 113250.	7.8	29
22	Microbial inoculants and struvite improved organic matter humification and stabilized phosphorus during swine manure composting: Multivariate and multiscale investigations. <i>Bioresource Technology</i> , 2022, 351, 126976.	9.6	29
23	Enhancing microplastics biodegradation during composting using livestock manure biochar. <i>Environmental Pollution</i> , 2022, 306, 119339.	7.5	29
24	Biochar blended humate and vermicompost enhanced immobilization of heavy metals, improved wheat productivity, and minimized human health risks in different contaminated environments. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105700.	6.7	26
25	Development of a Spatial Model for Soil Quality Assessment under Arid and Semi-Arid Conditions. <i>Sustainability</i> , 2021, 13, 2893.	3.2	23
26	High Nitrogen Fertilization Modulates Morpho-Physiological Responses, Yield, and Water Productivity of Lowland Rice under Deficit Irrigation. <i>Agronomy</i> , 2021, 11, 1291.	3.0	23
27	Effect of Biochar on CO ₂ Sequestration and Productivity of Pearl Millet Plants Grown in Saline Sodic Soils. <i>Journal of Soil Science and Plant Nutrition</i> , 2021, 21, 897-907.	3.4	22
28	Optimizing sowing window, cultivar choice, and plant density to boost maize yield under RCP8.5 climate scenario of CMIP5. <i>International Journal of Biometeorology</i> , 2022, 66, 971-985.	3.0	22
29	Graded Moisture Deficit Effect on Secondary Metabolites, Antioxidant, and Inhibitory Enzyme Activities in Leaf Extracts of <i>Rosa damascena</i> Mill. var. <i>trigintipetala</i> . <i>Horticulturae</i> , 2022, 8, 177.	2.8	19
30	Impacts of Gum Arabic and Polyvinylpyrrolidone (PVP) with Salicylic Acid on Peach Fruit (<i>Prunus</i>) Tj ETQq0 0 0 rgBT/Overlock 10 Tf 50 3	3.8	19
31	Effect of Potassium Solubilizing Bacteria and Humic Acid on Faba Bean (<i>Vicia faba</i> L.) Plants Grown on Sandy Loam Soils. <i>Journal of Soil Science and Plant Nutrition</i> , 2021, 21, 791-800.	3.4	18
32	Salinity Effects on Gene Expression, Morphological, and Physio-Biochemical Responses of <i>Stevia rebaudiana</i> Bertoni In Vitro. <i>Plants</i> , 2021, 10, 820.	3.5	18
33	Improving quality of metal-contaminated soils by some halophyte and non-halophyte forage plants. <i>Science of the Total Environment</i> , 2021, 764, 142885.	8.0	17
34	Phosphate-Solubilizing Bacteria as a Panacea to Alleviate Stress Effects of High Soil CaCO ₃ Content in <i>Phaseolus vulgaris</i> with Special Reference to P-Releasing Enzymes. <i>Sustainability</i> , 2021, 13, 7063.	3.2	17
35	Corn Cob-Derived Biochar Improves the Growth of Saline-Irrigated Quinoa in Different Orders of Egyptian Soils. <i>Horticulturae</i> , 2021, 7, 221.	2.8	17
36	Appraisal of water quality and ecological sensitivity with reference to riverfront development along the River Gomti, India. <i>Applied Water Science</i> , 2022, 12, 1.	5.6	17

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37	Impact of Level of Nitrogen Fertilization and Critical Period for Weed Control in Peanut (<i>Arachis</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 16	3.0	16
38	Characterization and sensitivity of <i>Botrytis cinerea</i> to benzimidazole and succinate dehydrogenase inhibitors fungicides, and illustration of the resistance profile. <i>Australasian Plant Pathology</i> , 2021, 50, 589.	1.0	16
39	Rebalance the Nutritional Status and the Productivity of High CaCO ₃ -Stressed Sweet Potato Plants by Foliar Nourishment with Zinc Oxide Nanoparticles and Ascorbic Acid. <i>Agronomy</i> , 2021, 11, 1443.	3.0	16
40	Evaluation of the Phytochemical and Pharmacological Potential of Taifâ€™s Rose (<i>Rosa damascena</i> Mill) Tj ETQq0 0.0 rgBT /Overlock 16	2.4	16
41	Impact of catalytic hydrothermal treatment and Ca/Al-modified hydrochar on lability, sorption, and speciation of phosphorus in swine manure: Microscopic and spectroscopic investigations. <i>Environmental Pollution</i> , 2022, 299, 118877.	7.5	15
42	Revitalizing Fertility of Nutrient-Deficient Virgin Sandy Soil Using Leguminous Biocompost Boosts <i>Phaseolus vulgaris</i> Performance. <i>Plants</i> , 2021, 10, 1637.	3.5	14
43	Induction of <i>Catharanthus roseus</i> Secondary Metabolites When <i>Calotropis procera</i> Was Used as Bio-Stimulant. <i>Plants</i> , 2021, 10, 1623.	3.5	14
44	Appraisal of COVID-19 lockdown and unlocking effects on the air quality of North India. <i>Environmental Research</i> , 2022, 204, 112107.	7.5	14
45	Alternative Control of Tomato Wilt Using the Aqueous Extract of <i>Calotropis procera</i> . <i>Horticulturae</i> , 2022, 8, 197.	2.8	14
46	Thyme oil treatment controls bacterial wilt disease symptoms by inducing antioxidant enzyme activity in <i>Solanum tuberosum</i> . <i>Journal of Plant Pathology</i> , 2021, 103, 563-572.	1.2	13
47	Integrated Application of K and Zn as an Avenue to Promote Sugar Beet Yield, Industrial Sugar Quality, and K-Use Efficiency in a Salty Semi-Arid Agro-Ecosystem. <i>Agronomy</i> , 2021, 11, 780.	3.0	13
48	Mechanisms of Nitric Oxide in the Regulation of Chilling Stress Tolerance in <i>Camellia sinensis</i> . <i>Horticulturae</i> , 2021, 7, 410.	2.8	13
49	Recycling of sugar crop disposal to boost the adaptation of canola (<i>Brassica napus</i> L.) to abiotic stress through different climate zones. <i>Journal of Environmental Management</i> , 2021, 281, 111881.	7.8	12
50	A New Method to Recycle Dairy Waste for the Nutrition of Wheat Plants. <i>Agronomy</i> , 2021, 11, 840.	3.0	12
51	Early Sowing Combined with Adequate Potassium and Sulfur Fertilization: Promoting <i>Beta vulgaris</i> (L.) Yield, Yield Quality, and K- and S-Use Efficiency in a Dry Saline Environment. <i>Agronomy</i> , 2021, 11, 806.	3.0	12
52	A comparison of the mechanisms and performances of <i>Acorus calamus</i> , <i>Pontederia cordata</i> and <i>Alisma plantagoaquatica</i> in removing nitrogen from farmland wastewater. <i>Bioresource Technology</i> , 2021, 332, 125105.	9.6	12
53	Addition of walnut shells biochar to alkaline arable soil caused contradictory effects on CO ₂ and N ₂ O emissions, nutrients availability, and enzymes activity. <i>Chemosphere</i> , 2022, 293, 133476.	8.2	12
54	The Efficacies of 1-Methylcyclopropene and Chitosan Nanoparticles in Preserving the Postharvest Quality of Damask Rose and Their Underlying Biochemical and Physiological Mechanisms. <i>Biology</i> , 2022, 11, 242.	2.8	12

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55	Foliar Nourishment with Different Zinc-Containing Forms Effectively Sustains Carrot Performance in Zinc-Deficient Soil. <i>Agronomy</i> , 2021, 11, 1853.	3.0	11
56	Response in Physiological Traits and Antioxidant Capacity of Two Cotton Cultivars under Water Limitations. <i>Agronomy</i> , 2022, 12, 803.	3.0	11
57	Organic Amendment and Mulching Enhanced the Growth and Fruit Quality of Squash Plants (<i>Cucurbita pepo</i> L.) Grown on Silty Loam Soils. <i>Horticulturae</i> , 2021, 7, 269.	2.8	9
58	Irrigation and biochar effects on pearl millet and kinetics of ammonia volatilization from saline sandy soils. <i>Journal of Soil Science and Plant Nutrition</i> , 2022, 22, 1546-1558.	3.4	9
59	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, 412.	3.5	9
60	Foliar Supplementation of Clove Fruit Extract and Salicylic Acid Maintains the Performance and Antioxidant Defense System of <i>Solanum tuberosum</i> L. under Deficient Irrigation Regimes. <i>Horticulturae</i> , 2021, 7, 435.	2.8	8
61	Jasmonic Acid and EDTA-Enhanced Cd and Pb Phytoextraction by the Halophytic Plants Quail Bush [<i>Atriplex lentiformis</i> (Torr.) S. Wats]. <i>Journal of Soil Science and Plant Nutrition</i> , 2022, 22, 1434-1445.	3.4	7
62	Chemical Characterization of Taif Rose (<i>Rosa damascena</i> Mill var. <i>trigintipetala</i>) Waste Methanolic Extract and Its Hepatoprotective and Antioxidant Effects against Cadmium Chloride (CdCl ₂)-Induced Hepatotoxicity and Potential Anticancer Activities against Liver Cancer Cells (HepG2). <i>Crystals</i> , 2022, 12, 460.	2.2	7
63	Effect of Amount of Irrigation and Type of P Fertilizer on Potato Yield and NH ₃ Volatilization from Alkaline Sandy Soils. <i>Journal of Soil Science and Plant Nutrition</i> , 2021, 21, 1565-1576.	3.4	6
64	Developing new lines of Japonica rice for higher quality and yield under arid conditions. <i>PeerJ</i> , 2021, 9, e11592.	2.0	6
65	Compost Enhances Forage Yield and Quality of River Saltbush in Arid Conditions. <i>Agriculture (Switzerland)</i> , 2021, 11, 595.	3.1	6
66	Soil microbial biomass, CO ₂ and NH ₃ emission and nitrogen use efficiency in a sandy soil amended with recycled dairy products. <i>Environmental Technology and Innovation</i> , 2021, 23, 101546.	6.1	6
67	Impact of plant growth regulators spray on fruit quantity and quality of pepper (<i>Capsicum annuum</i> L.) cultivars grown under plastic tunnels. <i>Saudi Journal of Biological Sciences</i> , 2022, 29, 2291-2298.	3.8	6
68	Development of a Five-Parameter Model to Facilitate the Estimation of Additive, Dominance, and Epistatic Effects with a Mediating Using Bootstrapping in Advanced Generations of Wheat (<i>Triticum</i>) Tj ETQq0 0 0 80T /Overlock 10 Tf		
69	Nitrogen and Compost Enhanced the Phytoextraction Potential of Cd and Pb from Contaminated Soils by Quail Bush [<i>Atriplex lentiformis</i> (Torr.) S.Wats]. <i>Journal of Soil Science and Plant Nutrition</i> , 2022, 22, 177-185.	3.4	5
70	Association of saponin concentration, molecular markers, and biochemical factors with enhancing resistance to alfalfa seedling damping-off. <i>Saudi Journal of Biological Sciences</i> , 2022, 29, 2148-2162.	3.8	5
71	A Pivotal Role of Chitosan Nanoparticles in Enhancing the Essential Oil Productivity and Antioxidant Capacity in <i>Matricaria chamomilla</i> L.. <i>Horticulturae</i> , 2021, 7, 574.	2.8	5
72	Controlling of <i>Xanthomonas axonopodis</i> pv. <i>phaseoli</i> by induction of phenolic compounds in bean plants using salicylic and benzoic acids. , 2022, 104, 947-957.		5

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73	Callus induction and regeneration in sugarcane under drought stress. <i>Saudi Journal of Biological Sciences</i> , 2021, 28, 7432-7442.	3.8	4
74	Water deficit induced physiological and amino acid responses in some rice varieties using NMRâ€metabolic analysis. <i>Agronomy Journal</i> , 2021, 113, 4690-4704.	1.8	4
75	Optimization of Biomethane Production via Fermentation of Chicken Manure Using Marine Sediment: A Modeling Approach Using Response Surface Methodology. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 11988.	2.6	4
76	Plant Growth Stimulating Bacteria and Filter Mud Cake Enhance Soil Quality and Productivity of Mango (<i>Mangifera indica</i> L.). <i>Journal of Soil Science and Plant Nutrition</i> , 2022, 22, 3068-3080.	3.4	4
77	The Exogenous Application of Micro-Nutrient Elements and Amino Acids Improved the Yield, Nutritional Status and Quality of Mango in Arid Regions. <i>Plants</i> , 2021, 10, 2057.	3.5	3
78	Effect of jasmonic acid on alkaloids content and salinity tolerance of <i>Catharanthus roseus</i> based on morpho-physiological evaluation. <i>South African Journal of Botany</i> , 2021, 141, 440-446.	2.5	3
79	Integrative Seed and Leaf Treatment with Ascorbic Acid Extends the Planting Period by Improving Tolerance to Late Sowing Influences in Parsley. <i>Horticulturae</i> , 2022, 8, 334.	2.8	3
80	Nitrogen-Reduction in Intensive Cultivation Improved Nitrogen Fertilizer Utilization Efficiency and Soil Nitrogen Mineralization of Double-Cropped Rice. <i>Agronomy</i> , 2022, 12, 1103.	3.0	3
81	Dense Planting with Reducing Nitrogen Rate Increased Nitrogen Use Efficiency and Translocated Nitrogen in Grains in Double-Cropped Rice. <i>Agronomy</i> , 2022, 12, 1090.	3.0	3
82	Impact of chitosan nanoparticles edible coating on shelfâ€life extension and postharvest quality of coriander herb. <i>Journal of Food Processing and Preservation</i> , 2022, 46, .	2.0	2
83	Seasonal potential of <i>Pistia stratiotes</i> in nutrient removal to eliminate eutrophication in Al-Sero Drain (South Nile Delta, Egypt). <i>Journal of Freshwater Ecology</i> , 2021, 36, 173-187.	1.2	1
84	Improving integrated management of weed control by determination of weed seed bank in sandy and clay soil. <i>Saudi Journal of Biological Sciences</i> , 2022, 29, 3023-3032.	3.8	1
85	Morphological Formation, Fatty Acid Profile, and Molecular Identification of Some Landraces of Ethiopian Brassica as a Promising Crop to Support Breeding Programs. <i>Plants</i> , 2021, 10, 1431.	3.5	0