

# Haixing Song

## List of Publications by Year in descending order

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85  
papers

1,885  
citations

279798

23  
h-index

345221

36  
g-index

85  
all docs

85  
docs citations

85  
times ranked

948  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	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
4	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
5	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
6	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
7	<i>Brevundimonas diminuta</i> isolated from mines polluted soil immobilized cadmium (Cd <sup>2+</sup> ) and zinc (Zn <sup>2+</sup> ) through calcium carbonate precipitation: Microscopic and spectroscopic investigations. <i>Science of the Total Environment</i> , 2022, 813, 152668.	8.0	44
8	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
9	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
10	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
11	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
12	Addition of walnut shells biochar to alkaline arable soil caused contradictory effects on CO <sub>2</sub> and N <sub>2</sub> O emissions, nutrients availability, and enzymes activity. <i>Chemosphere</i> , 2022, 293, 133476.	8.2	12
13	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
14	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
15	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
16	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
17	Alternative Control of Tomato Wilt Using the Aqueous Extract of <i>Calotropis procera</i> . <i>Horticulturae</i> , 2022, 8, 197.	2.8	14
18	Evaluation of the Phytochemical and Pharmacological Potential of Taifâ€™s Rose ( <i>Rosa damascena</i> Mill) Tj ETQq0 0,0 rgBT /Qverlock 10	2.4	16

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19	Chemical Characterization of Taif Rose ( <i>Rosa damascena</i> Mill var. <i>trigentipetala</i> ) Waste Methanolic Extract and Its Hepatoprotective and Antioxidant Effects against Cadmium Chloride (CdCl <sub>2</sub> )-Induced Hepatotoxicity and Potential Anticancer Activities against Liver Cancer Cells (HepG2). <i>Crystals</i> , 2022, 12, 460.	2.2	7
20	Response in Physiological Traits and Antioxidant Capacity of Two Cotton Cultivars under Water Limitations. <i>Agronomy</i> , 2022, 12, 803.	3.0	11
21	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
22	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
23	Impact of chitosan nanoparticles edible coating on shelf-life extension and postharvest quality of coriander herb. <i>Journal of Food Processing and Preservation</i> , 2022, 46, .	2.0	2
24	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
25	Impacts of Gum Arabic and Polyvinylpyrrolidone (PVP) with Salicylic Acid on Peach Fruit ( <i>Prunus</i> ) Tj ETQq1 1 0.784314 rgBT /Overlock 19	3.8	19
26	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
27	Enhancing microplastics biodegradation during composting using livestock manure biochar. <i>Environmental Pollution</i> , 2022, 306, 119339.	7.5	29
28	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
29	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
30	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
31	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
32	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
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	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
35	Effect of Biochar on CO <sub>2</sub> 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
36	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

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37	Controlled-release N fertilizer to mitigate ammonia volatilization from double-cropping rice. Nutrient Cycling in Agroecosystems, 2021, 119, 123-137.	2.2	33
38	Exogenously Used 24-Epibrassinolide Promotes Drought Tolerance in Maize Hybrids by Improving Plant and Water Productivity in an Arid Environment. Plants, 2021, 10, 354.	3.5	60
39	Foliar Application of Zinc Oxide Nanoparticles Promotes Drought Stress Tolerance in Eggplant (Solanum melongena L.). Plants, 2021, 10, 421.	3.5	153
40	Thyme oil treatment controls bacterial wilt disease symptoms by inducing antioxidant enzyme activity in Solanum tuberosum. Journal of Plant Pathology, 2021, 103, 563-572.	1.2	13
41	Recycling of sugar crop disposal to boost the adaptation of canola (Brassica napus L.) to abiotic stress through different climate zones. Journal of Environmental Management, 2021, 281, 111881.	7.8	12
42	Development of a Spatial Model for Soil Quality Assessment under Arid and Semi-Arid Conditions. Sustainability, 2021, 13, 2893.	3.2	23
43	Effect of Amount of Irrigation and Type of P Fertilizer on Potato Yield and NH <sub>3</sub> Volatilization from Alkaline Sandy Soils. Journal of Soil Science and Plant Nutrition, 2021, 21, 1565-1576.	3.4	6
44	Salinity Effects on Gene Expression, Morphological, and Physio-Biochemical Responses of Stevia rebaudiana Bertoni In Vitro. Plants, 2021, 10, 820.	3.5	18
45	Biochar and compost enhance soil quality and growth of roselle (Hibiscus sabdariffa L.) under saline conditions. Scientific Reports, 2021, 11, 8739.	3.3	45
46	Exogenous Gibberellic Acid or Dilute Bee Honey Boosts Drought Stress Tolerance in Vicia faba by Rebalancing Osmoprotectants, Antioxidants, Nutrients, and Phytohormones. Plants, 2021, 10, 748.	3.5	65
47	A New Method to Recycle Dairy Waste for the Nutrition of Wheat Plants. Agronomy, 2021, 11, 840.	3.0	12
48	Early Sowing Combined with Adequate Potassium and Sulfur Fertilization: Promoting Beta vulgaris (L.) Yield, Yield Quality, and K- and S-Use Efficiency in a Dry Saline Environment. Agronomy, 2021, 11, 806.	3.0	12
49	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. Agronomy, 2021, 11, 780.	3.0	13
50	Impact of Level of Nitrogen Fertilization and Critical Period for Weed Control in Peanut (Arachis tj ETQq0 0 0 rgBT/Overlock 10 Tf 50 2	3.0	16
51	Developing new lines of Japonica rice for higher quality and yield under arid conditions. PeerJ, 2021, 9, e11592.	2.0	6
52	Phosphate-Solubilizing Bacteria as a Panacea to Alleviate Stress Effects of High Soil CaCO <sub>3</sub> Content in Phaseolus vulgaris with Special Reference to P-Releasing Enzymes. Sustainability, 2021, 13, 7063.	3.2	17
53	Foliar Nourishment with Nano-Selenium Dioxide Promotes Physiology, Biochemistry, Antioxidant Defenses, and Salt Tolerance in Phaseolus vulgaris. Plants, 2021, 10, 1189.	3.5	41
54	Characterization and sensitivity of Botrytis cinerea to benzimidazole and succinate dehydrogenase inhibitors fungicides, and illustration of the resistance profile. Australasian Plant Pathology, 2021, 50, 589.	1.0	16

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55	Compost Enhances Forage Yield and Quality of River Saltbush in Arid Conditions. <i>Agriculture (Switzerland)</i> , 2021, 11, 595.	3.1	6
56	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 aestivum</i> ) Overlock 10 Tf	3.0	0
57	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
58	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
59	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
60	Rebalance the Nutritional Status and the Productivity of High CaCO <sub>3</sub> -Stressed Sweet Potato Plants by Foliar Nourishment with Zinc Oxide Nanoparticles and Ascorbic Acid. <i>Agronomy</i> , 2021, 11, 1443.	3.0	16
61	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
62	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
63	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
64	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
65	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
66	Callus induction and regeneration in sugarcane under drought stress. <i>Saudi Journal of Biological Sciences</i> , 2021, 28, 7432-7442.	3.8	4
67	Water deficit induced physiological and amino acid responses in some rice varieties using NMR <sup>1</sup> H metabolic analysis. <i>Agronomy Journal</i> , 2021, 113, 4690-4704.	1.8	4
68	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
69	Soil microbial biomass, CO <sub>2</sub> and NH <sub>3</sub> 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
70	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
71	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
72	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

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73	Foliar Nourishment with Different Zinc-Containing Forms Effectively Sustains Carrot Performance in Zinc-Deficient Soil. <i>Agronomy</i> , 2021, 11, 1853.	3.0	11
74	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
75	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
76	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
77	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
78	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
79	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
80	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
81	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
82	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
83	Biochar impacts on NH <sub>3</sub> -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
84	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
85	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