Yousef Alhaj Hamoud

List of Publications by Year
in descending order

39 papers	1,309 citations	331670 21 h-index	377865 34 g-index
41 all docs	41 docs citations	41 times ranked	829 citing authors

#	Article	IF	Citations
1	Physiological and biochemical responses of soybean plants inoculated with Arbuscular mycorrhizal fungi and Bradyrhizobium under drought stress. BMC Plant Biology, 2021, 21, 195.	3.6	119
2	The Integration of Bio and Organic Fertilizers Improve Plant Growth, Grain Yield, Quality and Metabolism of Hybrid Maize (Zea mays L.). Agronomy, 2020, 10, 319.	3.0	109
3	Inoculation with Bacillus amyloliquefaciens and mycorrhiza confers tolerance to drought stress and improve seed yield and quality of soybean plant. Physiologia Plantarum, 2021, 172, 2153-2169.	5.2	87
4	GABA-Alleviated Oxidative Injury Induced by Salinity, Osmotic Stress and their Combination by Regulating Cellular and Molecular Signals in Rice. International Journal of Molecular Sciences, 2019, 20, 5709.	4.1	82
5	Seed priming and foliar application with jasmonic acid enhance salinity stress tolerance of soybean (<scp>Glycine max L.</scp>) seedlings. Journal of the Science of Food and Agriculture, 2021, 101, 2027-2041.	3.5	74
6	Evaluation of stacking and blending ensemble learning methods for estimating daily reference evapotranspiration. Computers and Electronics in Agriculture, 2021, 184, 106039.	7.7	74
7	Arbuscular Mycorrhizal Fungi and Plant Growth-Promoting Rhizobacteria Enhance Soil Key Enzymes, Plant Growth, Seed Yield, and Qualitative Attributes of Guar. Agriculture (Switzerland), 2021, 11, 194.	3.1	69
8	Effects of irrigation regime and soil clay content and their interaction on the biological yield, nitrogen uptake and nitrogen-use efficiency of rice grown in southern China. Agricultural Water Management, 2019, 213, 934-946.	5.6	58
9	Synthesis of a pH-responsive nano-cellulose/sodium alginate/MOFs hydrogel and its application in the regulation of water and N-fertilizer. International Journal of Biological Macromolecules, 2021, 187, 262-271.	7.5	46
10	A TEMPO-oxidized cellulose nanofibers/MOFs hydrogel with temperature and pH responsiveness for fertilizers slow-release. International Journal of Biological Macromolecules, 2021, 191, 483-491.	7.5	44
11	Impact of alternative wetting and soil drying and soil clay content on the morphological and physiological traits of rice roots and their relationships to yield and nutrient use-efficiency. Agricultural Water Management, 2019, 223, 105706.	5.6	43
12	Effects of uneven vertical distribution of soil salinity under a buried straw layer on the growth, fruit yield, and fruit quality of tomato plants. Scientia Horticulturae, 2016, 203, 131-142.	3.6	41
13	Effect of Irrigation Regimes and Soil Texture on the Potassium Utilization Efficiency of Rice. Agronomy, 2019, 9, 100.	3.0	36
14	Comparison of five Boosting-based models for estimating daily reference evapotranspiration with limited meteorological variables. PLoS ONE, 2020, 15, e0235324.	2.5	36
15	The effect of atmospheric pressure plasma pretreatment with various gases on the structural characteristics and chemical composition of wheat straw and applications to enzymatic hydrolysis. Energy, 2019, 176, 195-210.	8.8	35
16	Zinc oxide nanoparticles: potential effects on soil properties, crop production, food processing, and food quality. Environmental Science and Pollution Research, 2021, 28, 36942-36966.	5.3	35
17	Polyamine biosynthetic pathways and their relation with the cold tolerance of maize (Zea mays) Tj ETQq1 1 0.784314 rgBT /Ov	2.4	35
18	The Global Trend of the Net Irrigation Water Requirement of Maize from 1960 to 2050. Climate, 2019, 7, 124.	2.8	32

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19	Effects of vertically heterogeneous soil salinity on tomato photosynthesis and related physiological parameters. Scientia Horticulturae, 2019, 249, 120-130.	3.6	31
20	Thermo-/pH-responsive preservative delivery based on TEMPO cellulose nanofiber/cationic copolymer hydrogel film in fruit packaging. International Journal of Biological Macromolecules, 2021, 183, 1911-1924.	7.5	31
21	Synthesis of bio-based MIL-100(Fe)@CNF-SA composite hydrogel and its application in slow-release N-fertilizer. Journal of Cleaner Production, 2021, 324, 129274.	9.3	26
22	Nitrogen Deep Placement Combined with Straw Mulch Cultivation Enhances Physiological Traits, Grain Yield and Nitrogen Use Efficiency in Mechanical Pot-Seedling Transplanting Rice. Rice Science, 2022, 29, 89-100.	3.9	20
23	A pH-responsive/sustained release nitrogen fertilizer hydrogel based on aminated cellulose nanofiber/cationic copolymer for application in irrigated neutral soils. Journal of Cleaner Production, 2022, 368, 133098.	9.3	19
24	Effects of nitrogen deep placement coupled with straw incorporation on grain quality and root traits from paddy fields. Crop Science, 2021, 61, 3675-3686.	1.8	14
25	Deep placement of nitrogen fertilizer increases rice yield and energy production efficiency under different mechanical rice production systems. Field Crops Research, 2022, 276, 108359.	5.1	12
26	Response of Fertigation Under Buried Straw Layer on Growth, Yield, and Water-fertilizer Productivity of Chinese Cabbage Under Greenhouse Conditions. Communications in Soil Science and Plant Analysis, 2019, 50, 1030-1043.	1.4	11
27	Wheat straw biochar application improves the morphological, physiological, and yield attributes of maize and the physicochemical properties of soil under deficit irrigation and salinity stress. Journal of Plant Nutrition, 2021, 44, 2399-2420.	1.9	11
28	Innovative two-phase air plasma activation approach for green and efficient functionalization of nanofibrillated cellulose surfaces from wheat straw. Journal of Cleaner Production, 2021, 297, 126664.	9.3	10
29	Impacts of Slow-Release Nitrogen Fertilizer Rates on the Morpho-Physiological Traits, Yield, and Nitrogen Use Efficiency of Rice under Different Water Regimes. Agriculture (Switzerland), 2022, 12, 86.	3.1	9
30	Subsurface Drip Irrigation with Emitters Placed at Suitable Depth Can Mitigate N2O Emissions and Enhance Chinese Cabbage Yield under Greenhouse Cultivation. Agronomy, 2022, 12, 745.	3.0	8
31	Managing Fertigation Frequency and Level to Mitigate N2O and CO2 Emissions and NH3 Volatilization from Subsurface Drip-Fertigated Field in a Greenhouse. Agronomy, 2022, 12, 1414.	3.0	8
32	Natural 15N abundance as an indicator of nitrogen utilization efficiency in rice under alternate wetting and drying irrigation in soils with high clay contents. Science of the Total Environment, 2022, 838, 156528.	8.0	8
33	Future Irrigation Water Requirements of the Main Crops Cultivated in the Niger River Basin. Atmosphere, 2021, 12, 439.	2.3	6
34	Straw Biochar-induced Modification of the Soil Physical Properties Enhances Growth, Yield and Water Productivity of Maize under Deficit Irrigation. Communications in Soil Science and Plant Analysis, 2021, 52, 1954-1970.	1.4	6
35	Effects of irrigation water regime, soil clay content and their combination on growth, yield, and water use efficiency of rice grown in South China. International Journal of Agricultural and Biological Engineering, 2018, 11, 126-136.	0.6	6
36	Effects of irrigation water regime, soil clay content and their combination on growth, yield, and water use efficiency of rice grown in South China. International Journal of Agricultural and Biological Engineering, 2018, 11, 126-136.	0.6	5

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37	Effects of Different Irrigation Treatments on Aquaculture Purification and Soil Desalination of Paddy Fields. Water (Switzerland), 2019, 11, 1424.	2.7	4
38	Dissecting the combined effects of cultivar, fertilization, and irrigation on rhizosphere bacterial communities and nitrogen productivity in rice. Science of the Total Environment, 2022, 835, 155534.	8.0	4
39	Investigation on the Utilization Possibility of Orange (Citrus sinensis var. Valencia) Oil Extracted by Microwave Pretreatment-Improved Steam Distillation as Natural Flavoring Agent Based on its Characteristics Analysis. Journal of Essential Oil-bearing Plants: JEOP, 2018, 21, 298-316.	1.9	3