Hiba Shaghaleh

List of Publications by Year
in descending order

30	1,416	394390	434170
papers	citations	19 h-index	31 g-index

31	31	31	1107
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Current progress in production of biopolymeric materials based on cellulose, cellulose nanofibers, and cellulose derivatives. RSC Advances, 2018, 8, 825-842.	3.6	284
2	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
3	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
4	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
5	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
6	Self-healing polyurethane with high strength and toughness based on a dynamic chemical strategy. Journal of Materials Chemistry A, 2022, 10, 10139-10149.	10.3	75
7	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
8	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
9	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
10	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
11	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
12	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
13	Effect of Irrigation Regimes and Soil Texture on the Potassium Utilization Efficiency of Rice. Agronomy, 2019, 9, 100.	3.0	36
14	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
15	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
16	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
17	Flame-retarded polyurethane foam conferred by a bio-based nitrogenâ€'phosphorus-containing flame retardant. Reactive and Functional Polymers, 2021, 168, 105057.	4.1	31
18	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

#	Article	IF	Citations
19	Factors influencing the morphology and adsorption performance of cellulose nanocrystal/iron oxide nanorod composites for the removal of arsenic during water treatment. International Journal of Biological Macromolecules, 2020, 156, 1418-1424.	7.5	21
20	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
21	A pinene-based silane crosslinker for improved mechanical strength/transparency of room-temperature vulcanizing silicone rubber. Materials Chemistry and Physics, 2020, 247, 122868.	4.0	14
22	Preparation and properties of room temperature vulcanized silicone rubber using triethoxy(2-(4-methylcyclohex-3-en-1-yl)propyl)silane as a novel cross-linking agent. Polymer Degradation and Stability, 2020, 173, 109068.	5.8	11
23	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
24	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
25	Preparation and characterization of UV-curable waterborne polyurethane using isobornyl acrylate modified via copolymerization. Polymer Degradation and Stability, 2021, 184, 109474.	5.8	9
26	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
27	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
28	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
29	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
30	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