Wei Wu

List of Publications by Year
in descending order

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49 papers	2,425 citations	249298 26 h-index	232693 48 g-index
51 all docs	51 docs citations	51 times ranked	2731 citing authors

#	Article	IF	Citations
1	Identifying Key Metabolites Associated with Glucosinolate Biosynthesis in Response to Nitrogen Management Strategies in Two Rapeseed (Brassica napus) Varieties. Journal of Agricultural and Food Chemistry, 2022, 70, 634-645.	2.4	6
2	Alteration of bacterial communities and co-occurrence networks as a legacy effect upon exposure to polyethylene residues under field environment. Journal of Hazardous Materials, 2022, 426, 128126.	6.5	11
3	Understanding of crop lodging and agronomic strategies to improve the resilience of rapeseed production to climate change. , 2022, 1, 133-144.		18
4	Effect of Combined Application of Chicken Manure and Inorganic Nitrogen Fertilizer on Yield and Quality of Cherry Tomato. Agronomy, 2022, 12, 1574.	1.3	7
5	The stage sensitivity of shortâ€term heat stress to lodgingâ€resistant traits and yield determination in canola (Brassica napus L.). Journal of Agronomy and Crop Science, 2021, 207, 74-87.	1.7	15
6	Crop lodging, pod fertility and yield formation in canola under varying degrees of shortâ€term heat stress during flowering. Journal of Agronomy and Crop Science, 2021, 207, 690-704.	1.7	4
7	Mitigating ammonia volatilization and increasing nitrogen use efficiency through appropriate nitrogen management under supplemental irrigation and rainâ€“fed condition in winter wheat. Agricultural Water Management, 2021, 255, 107050.	2.4	20
8	Nitrogen fertilizer management for mitigating ammonia emission and increasing nitrogen use efficiencies by 15N stable isotopes in winter wheat. Science of the Total Environment, 2021, 790, 147587.	3.9	24
9	The mechanical roles of the clasping leaf sheath in cereals: Two case studies from oat and wheat plants. Journal of Agronomy and Crop Science, 2020, 206, 118-129.	1.7	18
10	Grain yield, root growth habit and lodging of eight oilseed rape genotypes in response to a short period of heat stress during flowering. Agricultural and Forest Meteorology, 2020, 287, 107954.	1.9	34
11	Yield penalty due to delayed sowing of winter wheat and the mitigatory role of increased seeding rate. European Journal of Agronomy, 2020, 119, 126120.	1.9	43
12	Carbon footprint and yield performance assessment under plastic film mulching for winter wheat production. Journal of Cleaner Production, 2020, 270, 122468.	4.6	20
13	The role of ridgeâ€furrow with plastic film mulching system on stem lodging resistance of winter wheat in a dry semiâ€humid region. Agronomy Journal, 2020, 112, 885-898.	0.9	9
14	Management of nitrogen fertilization to balance reducing lodging risk and increasing yield and protein content in spring wheat. Field Crops Research, 2019, 241, 107584.	2.3	67
15	Distribution and molecular characterization of Citrus leaf blotch virus from Actinidia in Shaanxi province, China. European Journal of Plant Pathology, 2019, 154, 855-862.	0.8	15
16	Optimized ridgeâ€“furrow with plastic film mulching system to use precipitation efficiently for winter wheat production in dry semiâ€“humid areas. Agricultural Water Management, 2019, 218, 211-221.	2.4	49
17	Nitrogen Application Improved Photosynthetic Productivity, Chlorophyll Fluorescence, Yield and Yield Components of Two Oat Genotypes under Saline Conditions. Agronomy, 2019, 9, 115.	1.3	34
18	Soil and Crop Management Strategies to Ensure Higher Crop Productivity within Sustainable Environments. Sustainability, 2019, 11, 1485.	1.6	146

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19	Erectâ€“leaf posture promotes lodging resistance in oat plants under high plant population. European Journal of Agronomy, 2019, 103, 175-187.	1.9	23
20	Effects of ridgeâ€“furrow mulching on soil CO2 efflux in a maize field in the Chinese Loess Plateau. Agricultural and Forest Meteorology, 2019, 264, 200-212.	1.9	36
21	Assessment of canola crop lodging under elevated temperatures for adaptation to climate change. Agricultural and Forest Meteorology, 2018, 248, 329-338.	1.9	52
22	Enhancing Rapeseed Tolerance to Heat and Drought Stresses in a Changing Climate: Perspectives for Stress Adaptation from Root System Architecture. Advances in Agronomy, 2018, 151, 87-157.	2.4	76
23	Ridgeâ€“furrow with plastic film mulching practice improves maize productivity and resource use efficiency under the wheatâ€“maize doubleâ€“cropping system in dry semiâ€“humid areas. Field Crops Research, 2017, 203, 201-211.	2.3	88
24	Quantification of canola root morphological traits under heat and drought stresses with electrical measurements. Plant and Soil, 2017, 415, 229-244.	1.8	42
25	Optimum ridge-to-furrow ratio in ridge-furrow mulching systems for improving water conservation in maize (Zea may L.) production. Environmental Science and Pollution Research, 2017, 24, 23168-23179.	2.7	40
26	Response and Tolerance Mechanism of Cotton Gossypium hirsutum L. to Elevated Temperature Stress: A Review. Frontiers in Plant Science, 2016, 7, 937.	1.7	57
27	A new method for assessing plant lodging and the impact of management options on lodging in canola crop production. Scientific Reports, 2016, 6, 31890.	1.6	57
28	Soil ammonia volatilization following urea application suppresses root hair formation and reduces seed germination in six wheat varieties. Environmental and Experimental Botany, 2016, 132, 130-139.	2.0	19
29	Towards the highly effective use of precipitation by ridge-furrow with plastic film mulching instead of relying on irrigation resources in a dry semi-humid area. Field Crops Research, 2016, 188, 62-73.	2.3	125
30	Integrated nutrient management (INM) for sustaining crop productivity and reducing environmental impact: A review. Science of the Total Environment, 2015, 512-513, 415-427.	3.9	214
31	Grain Cadmium and Zinc Concentrations in Maize Influenced by Genotypic Variations and Zinc Fertilization. Clean - Soil, Air, Water, 2015, 43, 1433-1440.	0.7	53
32	A review of the system of rice intensification in China. Plant and Soil, 2015, 393, 361-381.	1.8	44
33	Rice sheath blight evaluation as affected by fertilization rate and planting density. Australasian Plant Pathology, 2015, 44, 183-189.	0.5	18
34	The Role of Antioxidant Enzymes in Adaptive Responses to Sheath Blight Infestation under Different Fertilization Rates and Hill Densities. Scientific World Journal, The, 2014, 2014, 1-8.	0.8	16
35	Rice grain yield and component responses to near 2Â°C of warming. Field Crops Research, 2014, 157, 98-110.	2.3	68
36	Modeling impacts of film mulching on rainfed crop yield in Northern China with DNDC. Field Crops Research, 2014, 155, 202-212.	2.3	68

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37	Disease resistance in rice and the role of molecular breeding in protecting rice crops against diseases. Biotechnology Letters, 2014, 36, 1407-1420.	1.1	25
38	Genetic progress in wheat yield and associated traits in China since 1945 and future prospects. Euphytica, 2014, 196, 155-168.	0.6	61
39	Influence of canopy structure on sheath blight epidemics in rice. Plant Pathology, 2014, 63, 98-108.	1.2	7
40	Mulching practices altered soil bacterial community structure and improved orchard productivity and apple quality after five growing seasons. Scientia Horticulturae, 2014, 172, 248-257.	1.7	92
41	The Effect of Plastic-Covered Ridge and Furrow Planting on the Grain Filling and Hormonal Changes of Winter Wheat. Journal of Integrative Agriculture, 2013, 12, 1771-1782.	1.7	22
42	Toward yield improvement of early-season rice: Other options under double rice-cropping system in central China. European Journal of Agronomy, 2013, 45, 75-86.	1.9	61
43	Plant growth suppression due to sheath blight and the associated yield reduction under double rice-cropping system in central China. Field Crops Research, 2013, 144, 268-280.	2.3	15
44	The effects of conservation tillage practices on the soil water-holding capacity of a non-irrigated apple orchard in the Loess Plateau, China. Soil and Tillage Research, 2013, 130, 7-12.	2.6	106
45	The Relationship between Polyamines and Hormones in the Regulation of Wheat Grain Filling. PLoS ONE, 2013, 8, e78196.	1.1	55
46	Synergic Effect of Flooding and Nitrogen Application on Alleviation of Soil Sickness Caused by Aerobic Rice Monocropping. Plant Production Science, 2012, 15, 246-251.	0.9	3
47	Ammonia Volatilization from Urea-Application Influenced Germination and Early Seedling Growth of Dry Direct-Seeded Rice. Scientific World Journal, The, 2012, 2012, 1-7.	0.8	19
48	Agronomic performance of high-yielding rice variety grown under alternate wetting and drying irrigation. Field Crops Research, 2012, 126, 16-22.	2.3	229
49	Sheath blight reduces stem breaking resistance and increases lodging susceptibility of rice plants. Field Crops Research, 2012, 128, 101-108.	2.3	87