

Wei Wu

List of Publications by Year in descending order

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Version: 2024-02-01

49
papers

2,425
citations

218592

26
h-index

206029

48
g-index

51
all docs

51
docs citations

51
times ranked

2432
citing authors

#	ARTICLE	IF	CITATIONS
1	Agronomic performance of high-yielding rice variety grown under alternate wetting and drying irrigation. <i>Field Crops Research</i> , 2012, 126, 16-22.	2.3	229
2	Integrated nutrient management (INM) for sustaining crop productivity and reducing environmental impact: A review. <i>Science of the Total Environment</i> , 2015, 512-513, 415-427.	3.9	214
3	Soil and Crop Management Strategies to Ensure Higher Crop Productivity within Sustainable Environments. <i>Sustainability</i> , 2019, 11, 1485.	1.6	146
4	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. <i>Field Crops Research</i> , 2016, 188, 62-73.	2.3	125
5	The effects of conservation tillage practices on the soil water-holding capacity of a non-irrigated apple orchard in the Loess Plateau, China. <i>Soil and Tillage Research</i> , 2013, 130, 7-12.	2.6	106
6	Mulching practices altered soil bacterial community structure and improved orchard productivity and apple quality after five growing seasons. <i>Scientia Horticulturae</i> , 2014, 172, 248-257.	1.7	92
7	Ridge-furrow with plastic film mulching practice improves maize productivity and resource use efficiency under the wheat-maize double cropping system in dry semi-humid areas. <i>Field Crops Research</i> , 2017, 203, 201-211.	2.3	88
8	Sheath blight reduces stem breaking resistance and increases lodging susceptibility of rice plants. <i>Field Crops Research</i> , 2012, 128, 101-108.	2.3	87
9	Enhancing Rapeseed Tolerance to Heat and Drought Stresses in a Changing Climate: Perspectives for Stress Adaptation from Root System Architecture. <i>Advances in Agronomy</i> , 2018, 151, 87-157.	2.4	76
10	Rice grain yield and component responses to near 2°C of warming. <i>Field Crops Research</i> , 2014, 157, 98-110.	2.3	68
11	Modeling impacts of film mulching on rainfed crop yield in Northern China with DNDC. <i>Field Crops Research</i> , 2014, 155, 202-212.	2.3	68
12	Management of nitrogen fertilization to balance reducing lodging risk and increasing yield and protein content in spring wheat. <i>Field Crops Research</i> , 2019, 241, 107584.	2.3	67
13	Toward yield improvement of early-season rice: Other options under double rice-cropping system in central China. <i>European Journal of Agronomy</i> , 2013, 45, 75-86.	1.9	61
14	Genetic progress in wheat yield and associated traits in China since 1945 and future prospects. <i>Euphytica</i> , 2014, 196, 155-168.	0.6	61
15	Response and Tolerance Mechanism of Cotton <i>Gossypium hirsutum</i> L. to Elevated Temperature Stress: A Review. <i>Frontiers in Plant Science</i> , 2016, 7, 937.	1.7	57
16	A new method for assessing plant lodging and the impact of management options on lodging in canola crop production. <i>Scientific Reports</i> , 2016, 6, 31890.	1.6	57
17	The Relationship between Polyamines and Hormones in the Regulation of Wheat Grain Filling. <i>PLoS ONE</i> , 2013, 8, e78196.	1.1	55
18	Grain Cadmium and Zinc Concentrations in Maize Influenced by Genotypic Variations and Zinc Fertilization. <i>Clean - Soil, Air, Water</i> , 2015, 43, 1433-1440.	0.7	53

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19	Assessment of canola crop lodging under elevated temperatures for adaptation to climate change. <i>Agricultural and Forest Meteorology</i> , 2018, 248, 329-338.	1.9	52
20	Optimized ridge-furrow with plastic film mulching system to use precipitation efficiently for winter wheat production in dry semi-humid areas. <i>Agricultural Water Management</i> , 2019, 218, 211-221.	2.4	49
21	A review of the system of rice intensification in China. <i>Plant and Soil</i> , 2015, 393, 361-381.	1.8	44
22	Yield penalty due to delayed sowing of winter wheat and the mitigatory role of increased seeding rate. <i>European Journal of Agronomy</i> , 2020, 119, 126120.	1.9	43
23	Quantification of canola root morphological traits under heat and drought stresses with electrical measurements. <i>Plant and Soil</i> , 2017, 415, 229-244.	1.8	42
24	Optimum ridge-to-furrow ratio in ridge-furrow mulching systems for improving water conservation in maize (<i>Zea mays</i> L.) production. <i>Environmental Science and Pollution Research</i> , 2017, 24, 23168-23179.	2.7	40
25	Effects of ridge-furrow mulching on soil CO ₂ efflux in a maize field in the Chinese Loess Plateau. <i>Agricultural and Forest Meteorology</i> , 2019, 264, 200-212.	1.9	36
26	Nitrogen Application Improved Photosynthetic Productivity, Chlorophyll Fluorescence, Yield and Yield Components of Two Oat Genotypes under Saline Conditions. <i>Agronomy</i> , 2019, 9, 115.	1.3	34
27	Grain yield, root growth habit and lodging of eight oilseed rape genotypes in response to a short period of heat stress during flowering. <i>Agricultural and Forest Meteorology</i> , 2020, 287, 107954.	1.9	34
28	Disease resistance in rice and the role of molecular breeding in protecting rice crops against diseases. <i>Biotechnology Letters</i> , 2014, 36, 1407-1420.	1.1	25
29	Nitrogen fertilizer management for mitigating ammonia emission and increasing nitrogen use efficiencies by ¹⁵ N stable isotopes in winter wheat. <i>Science of the Total Environment</i> , 2021, 790, 147587.	3.9	24
30	Erect leaf posture promotes lodging resistance in oat plants under high plant population. <i>European Journal of Agronomy</i> , 2019, 103, 175-187.	1.9	23
31	The Effect of Plastic-Covered Ridge and Furrow Planting on the Grain Filling and Hormonal Changes of Winter Wheat. <i>Journal of Integrative Agriculture</i> , 2013, 12, 1771-1782.	1.7	22
32	Carbon footprint and yield performance assessment under plastic film mulching for winter wheat production. <i>Journal of Cleaner Production</i> , 2020, 270, 122468.	4.6	20
33	Mitigating ammonia volatilization and increasing nitrogen use efficiency through appropriate nitrogen management under supplemental irrigation and rain-fed condition in winter wheat. <i>Agricultural Water Management</i> , 2021, 255, 107050.	2.4	20
34	Ammonia Volatilization from Urea-Application Influenced Germination and Early Seedling Growth of Dry Direct-Seeded Rice. <i>Scientific World Journal</i> , The, 2012, 2012, 1-7.	0.8	19
35	Soil ammonia volatilization following urea application suppresses root hair formation and reduces seed germination in six wheat varieties. <i>Environmental and Experimental Botany</i> , 2016, 132, 130-139.	2.0	19
36	Rice sheath blight evaluation as affected by fertilization rate and planting density. <i>Australasian Plant Pathology</i> , 2015, 44, 183-189.	0.5	18

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37	The mechanical roles of the clasping leaf sheath in cereals: Two case studies from oat and wheat plants. <i>Journal of Agronomy and Crop Science</i> , 2020, 206, 118-129.	1.7	18
38	Understanding of crop lodging and agronomic strategies to improve the resilience of rapeseed production to climate change. , 2022, 1, 133-144.		18
39	The Role of Antioxidant Enzymes in Adaptive Responses to Sheath Blight Infestation under Different Fertilization Rates and Hill Densities. <i>Scientific World Journal</i> , The, 2014, 2014, 1-8.	0.8	16
40	Plant growth suppression due to sheath blight and the associated yield reduction under double rice-cropping system in central China. <i>Field Crops Research</i> , 2013, 144, 268-280.	2.3	15
41	Distribution and molecular characterization of Citrus leaf blotch virus from Actinidia in Shaanxi province, China. <i>European Journal of Plant Pathology</i> , 2019, 154, 855-862.	0.8	15
42	The stage sensitivity of short-term heat stress to lodging-resistant traits and yield determination in canola (<i>Brassica napus</i> L.). <i>Journal of Agronomy and Crop Science</i> , 2021, 207, 74-87.	1.7	15
43	Alteration of bacterial communities and co-occurrence networks as a legacy effect upon exposure to polyethylene residues under field environment. <i>Journal of Hazardous Materials</i> , 2022, 426, 128126.	6.5	11
44	The role of ridge-furrow with plastic film mulching system on stem lodging resistance of winter wheat in a dry semi-humid region. <i>Agronomy Journal</i> , 2020, 112, 885-898.	0.9	9
45	Influence of canopy structure on sheath blight epidemics in rice. <i>Plant Pathology</i> , 2014, 63, 98-108.	1.2	7
46	Effect of Combined Application of Chicken Manure and Inorganic Nitrogen Fertilizer on Yield and Quality of Cherry Tomato. <i>Agronomy</i> , 2022, 12, 1574.	1.3	7
47	Identifying Key Metabolites Associated with Glucosinolate Biosynthesis in Response to Nitrogen Management Strategies in Two Rapeseed (<i>Brassica napus</i>) Varieties. <i>Journal of Agricultural and Food Chemistry</i> , 2022, 70, 634-645.	2.4	6
48	Crop lodging, pod fertility and yield formation in canola under varying degrees of short-term heat stress during flowering. <i>Journal of Agronomy and Crop Science</i> , 2021, 207, 690-704.	1.7	4
49	Synergic Effect of Flooding and Nitrogen Application on Alleviation of Soil Sickness Caused by Aerobic Rice Monocropping. <i>Plant Production Science</i> , 2012, 15, 246-251.	0.9	3