

Xiaotao Hu

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

436
citations

933447

10
h-index

888059

17
g-index

18
all docs

18
docs citations

18
times ranked

502
citing authors

#	ARTICLE	IF	CITATIONS
1	Projections of drought characteristics in China based on a standardized precipitation and evapotranspiration index and multiple GCMs. <i>Science of the Total Environment</i> , 2020, 704, 135245.	8.0	126
2	Benefits of CO ₂ enrichment on crop plants are modified by soil water status. <i>Plant and Soil</i> , 2002, 238, 69-77.	3.7	68
3	Cadmium stress alters the redox reaction and hormone balance in oilseed rape (<i>Brassica napus</i> L.) leaves. <i>Environmental Science and Pollution Research</i> , 2016, 23, 3758-3769.	5.3	61
4	Transpiration coefficient and ratio of transpiration to evapotranspiration of pear tree (<i>Pyrus</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 627 T 1165-1176.	2.6	31
5	Leaf photosynthesis, chlorophyll fluorescence, ion content and free amino acids in <i>Caragana korshinskii</i> Kom exposed to NaCl stress. <i>Acta Physiologiae Plantarum</i> , 2012, 34, 2285-2295.	2.1	23
6	Newly developed water productivity and harvest index models for maize in an arid region. <i>Field Crops Research</i> , 2019, 234, 73-86.	5.1	22
7	Capability of a solar energy-driven crop model for simulating water consumption and yield of maize and its comparison with a water-driven crop model. <i>Agricultural and Forest Meteorology</i> , 2020, 287, 107955.	4.8	18
8	Nitrogen Modulates the Effects of Short-Term Heat, Drought and Combined Stresses after Anthesis on Photosynthesis, Nitrogen Metabolism, Yield, and Water and Nitrogen Use Efficiency of Wheat. <i>Water (Switzerland)</i> , 2022, 14, 1407.	2.7	17
9	Nitrogen Modulates the Effects of Heat, Drought, and Combined Stresses on Photosynthesis, Antioxidant Capacity, Cell Osmoregulation, and Grain Yield in Winter Wheat. <i>Journal of Plant Growth Regulation</i> , 2023, 42, 1681-1703.	5.1	17
10	Optimization of irrigation and nitrogen fertilizer management for spring maize in northwestern China using RZWQM2. <i>Agricultural Water Management</i> , 2020, 240, 106276.	5.6	12
11	Effects of clouds and aerosols on ecosystem exchange, water and light use efficiency in a humid region orchard. <i>Science of the Total Environment</i> , 2022, 811, 152377.	8.0	11
12	Prediction of Grape Sap Flow in a Greenhouse Based on Random Forest and Partial Least Squares Models. <i>Water (Switzerland)</i> , 2021, 13, 3078.	2.7	8
13	Improving Water Use Efficiency of Spring Maize by Adopting Limited Supplemental Irrigation Following Sufficient Pre-Sowing Irrigation in Northwest China. <i>Water (Switzerland)</i> , 2019, 11, 802.	2.7	6
14	Improved Hargreaves Model Based on Multiple Intelligent Optimization Algorithms to Estimate Reference Crop Evapotranspiration in Humid Areas of Southwest China. <i>Atmosphere</i> , 2021, 12, 15.	2.3	6
15	A framework to quantify uncertainty of crop model parameters and its application in arid Northwest China. <i>Agricultural and Forest Meteorology</i> , 2022, 316, 108844.	4.8	4
16	Investigating the Patterns and Controls of Ecosystem Light Use Efficiency with the Data from the Global Farmland Fluxdata Network. <i>Sustainability</i> , 2021, 13, 12673.	3.2	3
17	Different Irrigation Pressure and Filter on Emitter Clogging in Drip Phosphate Fertigation Systems. <i>Water (Switzerland)</i> , 2022, 14, 853.	2.7	2
18	Quantitative Research on the Influence of Urbanization of Land Types on Evapotranspiration in Arid Areas. <i>The National Academy of Sciences, India</i> , 2021, 44, 419-421.	1.3	1