

Yuanlai Cui

List of Publications by Year in descending order

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Version: 2024-02-01

59
papers

1,283
citations

331670

21
h-index

395702

33
g-index

60
all docs

60
docs citations

60
times ranked

1246
citing authors

#	ARTICLE	IF	CITATIONS
1	Assessment of water pollution in the Tibetan Plateau with contributions from agricultural and economic sectors: a case study of Lhasa River Basin. <i>Environmental Science and Pollution Research</i> , 2022, 29, 20617-20631.	5.3	2
2	Utilizing artificial neural network to simulate and predict the hydraulic performance of free water surface constructed wetlands. <i>Journal of Environmental Management</i> , 2022, 305, 114334.	7.8	8
3	Spatial-Temporal Variation in Paddy Evapotranspiration in Subtropical Climate Regions Based on the SEBAL Model: A Case Study of the Ganfu Plain Irrigation System, Southern China. <i>Remote Sensing</i> , 2022, 14, 1201.	4.0	7
4	Machine learning exhibited excellent advantages in the performance simulation and prediction of free water surface constructed wetlands. <i>Journal of Environmental Management</i> , 2022, 309, 114694.	7.8	8
5	Regional water-saving potential calculation method for paddy rice based on remote sensing. <i>Agricultural Water Management</i> , 2022, 267, 107610.	5.6	8
6	Improvement and testing of ORYZA model water balance modules for alternate wetting and drying irrigation. <i>Agricultural Water Management</i> , 2022, 271, 107802.	5.6	2
7	Calculation framework for agricultural irrigation water consumption in multi-source irrigation systems. <i>Agricultural Water Management</i> , 2021, 244, 106603.	5.6	7
8	Mapping paddy rice using Landsat time series data in the Ganfu Plain irrigation system, Southern China, from 1988 to 2017. <i>International Journal of Remote Sensing</i> , 2021, 42, 1556-1576.	2.9	19
9	Effect of Watershed Delineation and Climate Datasets Density on Runoff Predictions for the Upper Mississippi River Basin Using SWAT within HAWQS. <i>Water (Switzerland)</i> , 2021, 13, 422.	2.7	9
10	Global sensitivity analysis and uncertainty analysis for drought stress parameters in the ORYZA (v3) model. <i>Agronomy Journal</i> , 2021, 113, 1407-1419.	1.8	3
11	Variations and Drivers of Methane Fluxes from Double-Cropping Paddy Fields in Southern China at Diurnal, Seasonal and Inter-Seasonal Timescales. <i>Water (Switzerland)</i> , 2021, 13, 2171.	2.7	8
12	Transport and transformation of water and nitrogen under different irrigation modes and urea application regimes in paddy fields. <i>Agricultural Water Management</i> , 2021, 255, 107024.	5.6	25
13	CO ₂ fluxes over two paddy fields with different management practices in Southern China. <i>Agricultural and Forest Meteorology</i> , 2021, 310, 108650.	4.8	6
14	An exploration of plant characteristics for plant species selection in wetlands. <i>Ecological Engineering</i> , 2020, 143, 105674.	3.6	5
15	Controlled Irrigation for Paddy Rice in China. <i>Irrigation and Drainage</i> , 2020, 69, 61-74.	1.7	9
16	Assessing forecasting performance of daily reference evapotranspiration using public weather forecast and numerical weather prediction. <i>Journal of Hydrology</i> , 2020, 590, 125547.	5.4	16
17	Impacts of land use and land cover changes on regional climate in the Lhasa River basin, Tibetan Plateau. <i>Science of the Total Environment</i> , 2020, 742, 140570.	8.0	58
18	Response of solute transport model parameters to the combination of multiple design parameters and their quantitative expression with hydraulic indicators of FWS-constructed wetlands. <i>Environmental Science and Pollution Research</i> , 2020, 27, 43283-43295.	5.3	3

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19	Identification of the Roles of Climate Factors, Engineering Construction, and Agricultural Practices in Vegetation Dynamics in the Lhasa River Basin, Tibetan Plateau. <i>Remote Sensing</i> , 2020, 12, 1883.	4.0	14
20	Driving force analysis of irrigation water consumption using principal component regression analysis. <i>Agricultural Water Management</i> , 2020, 234, 106089.	5.6	32
21	Consistency analysis of the optimal combination of free water surface constructed wetland design optimization over different seasons. <i>Ecological Engineering</i> , 2020, 155, 105928.	3.6	7
22	Climate changes in the Lhasa River basin, Tibetan Plateau: irrigation-induced cooling along with a warming trend. <i>Theoretical and Applied Climatology</i> , 2020, 140, 1043-1054.	2.8	3
23	Analysis of alternative climate datasets and evapotranspiration methods for the Upper Mississippi River Basin using SWAT within HAWQS. <i>Science of the Total Environment</i> , 2020, 720, 137562.	8.0	27
24	Evaluation of six equations for daily reference evapotranspiration estimating using public weather forecast message for different climate regions across China. <i>Agricultural Water Management</i> , 2019, 222, 386-399.	5.6	31
25	Using boosted tree regression and artificial neural networks to forecast upland rice yield under climate change in Sahel. <i>Computers and Electronics in Agriculture</i> , 2019, 166, 105031.	7.7	41
26	Comparison of the Generalized Likelihood Uncertainty Estimation and Markov Chain Monte Carlo Methods for Uncertainty Analysis of the ORYZA_V3 Model. <i>Agronomy Journal</i> , 2019, 111, 555-564.	1.8	16
27	Energy partitioning and evapotranspiration over a rotated paddy field in Southern China. <i>Agricultural and Forest Meteorology</i> , 2019, 276-277, 107626.	4.8	18
28	Irrigation efficiency and water-saving potential considering reuse of return flow. <i>Agricultural Water Management</i> , 2019, 221, 519-527.	5.6	20
29	Calibration and Validation of the Hargreaves-Samani Model for Reference Evapotranspiration Estimation in China. <i>Irrigation and Drainage</i> , 2019, 68, 822-836.	1.7	14
30	Comparison of evapotranspiration measurements between eddy covariance and lysimeters in paddy fields under alternate wetting and drying irrigation. <i>Paddy and Water Environment</i> , 2019, 17, 725-739.	1.8	15
31	Improved test to determine design parameters for optimization of free surface flow constructed wetlands. <i>Bioresource Technology</i> , 2019, 280, 199-212.	9.6	27
32	Impacts of the channel/barrier effect and three-dimensional climate—A case study of rice water requirement and irrigation quota in Yunnan, China. <i>Agricultural Water Management</i> , 2019, 212, 317-327.	5.6	10
33	Reuse of return flows and its scale effect in irrigation systems based on modified SWAT model. <i>Agricultural Water Management</i> , 2019, 213, 280-288.	5.6	27
34	Assessment of spatiotemporal variability of reference evapotranspiration and controlling climate factors over decades in China using geospatial techniques. <i>Agricultural Water Management</i> , 2019, 213, 499-511.	5.6	28
35	Irrigation scheduling of paddy rice using short-term weather forecast data. <i>Agricultural Water Management</i> , 2019, 213, 714-723.	5.6	43
36	Improvement and testing of SWAT for multi-source irrigation systems with paddy rice. <i>Journal of Hydrology</i> , 2019, 568, 1031-1041.	5.4	22

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37	Study on nitrogen removal from rice paddy field drainage by interaction of plant species and hydraulic conditions in eco-ditches. <i>Environmental Science and Pollution Research</i> , 2019, 26, 6492-6502.	5.3	12
38	Short-term forecasting of daily reference evapotranspiration using the reduced-set Penman-Monteith model and public weather forecasts. <i>Agricultural Water Management</i> , 2019, 211, 70-80.	5.6	44
39	Web-based decision support system for canal irrigation management. <i>Computers and Electronics in Agriculture</i> , 2019, 161, 312-321.	7.7	21
40	Short-term daily forecasting of crop evapotranspiration of rice using public weather forecasts. <i>Paddy and Water Environment</i> , 2018, 16, 397-410.	1.8	10
41	Short-term forecasting of daily crop evapotranspiration using the K_c - ET_o approach and public weather forecasts. <i>Archives of Agronomy and Soil Science</i> , 2018, 64, 903-915.	2.6	14
42	Effects of water-saving irrigation on weed infestation and diversity in paddy fields in East China. <i>Paddy and Water Environment</i> , 2017, 15, 593-604.	1.8	9
43	Tracer study of the hydraulic performance of constructed wetlands planted with three different aquatic plant species. <i>Ecological Engineering</i> , 2017, 102, 433-442.	3.6	27
44	Test study of the optimal design for hydraulic performance and treatment performance of free water surface flow constructed wetland. <i>Bioresource Technology</i> , 2017, 238, 461-471.	9.6	46
45	Assessment of uncertainty and sensitivity analyses for ORYZA model under different ranges of parameter variation. <i>European Journal of Agronomy</i> , 2017, 91, 54-62.	4.1	30
46	Integrating Ecological Restoration of Agricultural Non-Point Source Pollution in Poyang Lake Basin in China. <i>Water (Switzerland)</i> , 2017, 9, 745.	2.7	24
47	Global sensitivity analysis of outputs over rice-growth process in ORYZA model. <i>Environmental Modelling and Software</i> , 2016, 83, 36-46.	4.5	28
48	Short-term forecasting of daily reference evapotranspiration using the Penman-Monteith model and public weather forecasts. <i>Agricultural Water Management</i> , 2016, 177, 329-339.	5.6	52
49	Influence of water management on the water cycle in a small watershed irrigation system based on a distributed hydrologic model. <i>Agricultural Water Management</i> , 2016, 174, 52-60.	5.6	22
50	Hindcasting the effects of climate change on rice yields, irrigation requirements, and water productivity. <i>Paddy and Water Environment</i> , 2015, 13, 81-89.	1.8	19
51	Local storages: the impact on hydrology and implications for policy making in irrigation systems. <i>Water International</i> , 2012, 37, 395-407.	1.0	8
52	Natural disaster risk communication-understandings, framework, targets and challenges. , 2012, , .		1
53	Temporal and spatial changes of agricultural water requirements in the Lancang River Basin. <i>Journal of Chinese Geography</i> , 2012, 22, 441-450.	3.9	4
54	Development and test of SWAT for modeling hydrological processes in irrigation districts with paddy rice. <i>Journal of Hydrology</i> , 2011, 396, 61-71.	5.4	147

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55	Spatio-temporal Analysis in Land Use Change and Its Application in Lijiang Region. , 2010, , .		0
56	The Design and Implement of Marine Remote Sensing Multidimensional Dynamic Visualization System Based on COM. , 2010, , .		0
57	Application of system dynamics approach for time varying water balance in aerobic paddy fields. Paddy and Water Environment, 2009, 7, 1-9.	1.8	20
58	Spatial variability of irrigation factors and their relationships with "corridor-barrier" functions in the Longitudinal Range-Gorge Region. Science Bulletin, 2007, 52, 33-41.	1.7	4
59	Effect of irrigation method and N-fertilizer management on rice yield, water productivity and nutrient-use efficiencies in typical lowland rice conditions in China. Paddy and Water Environment, 2004, 2, 195-206.	1.8	142