

Daozhi Gong

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

50
papers

1,439
citations

21
h-index

37
g-index

53
ext. papers

1,983
ext. citations

5.9
avg, IF

5.14
L-index

#	Paper	IF	Citations
50	Leaf- and ecosystem-scale water use efficiency and their controlling factors of a kiwifruit orchard in the humid region of Southwest China. <i>Agricultural Water Management</i> , 2022 , 260, 107329	5.9	2
49	Energy and evapotranspiration partitioning over a humid region orchard: Field measurements and partitioning model comparisons. <i>Journal of Hydrology</i> , 2022 , 610, 127890	6	0
48	Optimization of extreme learning machine model with biological heuristic algorithms to estimate daily reference crop evapotranspiration in different climatic regions of China. <i>Journal of Hydrology</i> , 2021 , 603, 127028	6	5
47	Comparison of satellite-based models for estimating gross primary productivity in agroecosystems. <i>Agricultural and Forest Meteorology</i> , 2021 , 297, 108253	5.8	8
46	Evapotranspiration and its components over a rainfed spring maize cropland under plastic film on the Loess Plateau, China. <i>Spanish Journal of Agricultural Research</i> , 2021 , 18, e1205	1.1	0
45	High-resolution assessment of solar radiation and energy potential in China. <i>Energy Conversion and Management</i> , 2021 , 240, 114265	10.6	7
44	Extreme learning machine for reference crop evapotranspiration estimation: Model optimization and spatiotemporal assessment across different climates in China. <i>Computers and Electronics in Agriculture</i> , 2021 , 187, 106294	6.5	13
43	Evaluation of bio-inspired optimization algorithms hybrid with artificial neural network for reference crop evapotranspiration estimation. <i>Computers and Electronics in Agriculture</i> , 2021 , 190, 106466	6.5	4
42	Machine learning models to quantify and map daily global solar radiation and photovoltaic power. <i>Renewable and Sustainable Energy Reviews</i> , 2020 , 118, 109393	16.2	55
41	National-scale development and calibration of empirical models for predicting daily global solar radiation in China. <i>Energy Conversion and Management</i> , 2020 , 203, 112236	10.6	15
40	Water use efficiency and its drivers in four typical agroecosystems based on flux tower measurements. <i>Agricultural and Forest Meteorology</i> , 2020 , 295, 108200	5.8	12
39	Mulching improved soil water, root distribution and yield of maize in the Loess Plateau of Northwest China. <i>Agricultural Water Management</i> , 2020 , 241, 106340	5.9	14
38	Evaluation of seasonal evapotranspiration of winter wheat in humid region of East China using large-weighted lysimeter and three models. <i>Journal of Hydrology</i> , 2020 , 590, 125388	6	8
37	Hybrid particle swarm optimization with extreme learning machine for daily reference evapotranspiration prediction from limited climatic data. <i>Computers and Electronics in Agriculture</i> , 2020 , 173, 105430	6.5	42
36	Comparison of BP, PSO-BP and statistical models for predicting daily global solar radiation in arid Northwest China. <i>Computers and Electronics in Agriculture</i> , 2019 , 164, 104905	6.5	21
35	Distinct Drivers of Core and Accessory Components of Soil Microbial Community Functional Diversity under Environmental Changes. <i>MSystems</i> , 2019 , 4,	7.6	8
34	Development of data-driven models for prediction of daily global horizontal irradiance in Northwest China. <i>Journal of Cleaner Production</i> , 2019 , 223, 136-146	10.3	21

33	Two-dimensional monitoring of soil water content in fields with plastic mulching using electrical resistivity tomography. <i>Computers and Electronics in Agriculture</i> , 2019 , 159, 84-91	6.5	6
32	Comparison of maize water consumption at different scales between mulched and non-mulched croplands. <i>Agricultural Water Management</i> , 2019 , 216, 315-324	5.9	15
31	Evaluation of temperature-based machine learning and empirical models for predicting daily global solar radiation. <i>Energy Conversion and Management</i> , 2019 , 198, 111780	10.6	56
30	Effects of different long-term tillage systems on the composition of organic matter by ¹³ C CP/TOSS NMR in physical fractions in the Loess Plateau of China. <i>Soil and Tillage Research</i> , 2019 , 194, 104321	6.5	16
29	Sustaining Yield of Winter Wheat under Alternate Irrigation Using Saline Water at Different Growth Stages: A Case Study in the North China Plain. <i>Sustainability</i> , 2019 , 11, 4564	3.6	9
28	Estimation of soil temperature from meteorological data using different machine learning models. <i>Geoderma</i> , 2019 , 338, 67-77	6.7	72
27	Soil wet aggregate distribution and pore size distribution under different tillage systems after 16 years in the Loess Plateau of China. <i>Catena</i> , 2019 , 173, 38-47	5.8	49
26	Evapotranspiration partitioning and energy budget in a rainfed spring maize field on the Loess Plateau, China. <i>Catena</i> , 2018 , 166, 249-259	5.8	18
25	Evaluation of artificial intelligence models for actual crop evapotranspiration modeling in mulched and non-mulched maize croplands. <i>Computers and Electronics in Agriculture</i> , 2018 , 152, 375-384	6.5	39
24	Stomatal aperture rather than nitrogen nutrition determined water use efficiency of tomato plants under nitrogen fertigation. <i>Agricultural Water Management</i> , 2018 , 209, 94-101	5.9	21
23	National-scale assessment of pan evaporation models across different climatic zones of China. <i>Journal of Hydrology</i> , 2018 , 564, 314-328	6	42
22	Light and Water Use Efficiency as Influenced by Clouds and/or Aerosols in a Rainfed Spring Maize Cropland on the Loess Plateau. <i>Crop Science</i> , 2018 , 58, 853-862	2.4	13
21	Improvement of Makkink model for reference evapotranspiration estimation using temperature data in Northwest China. <i>Journal of Hydrology</i> , 2018 , 566, 264-273	6	22
20	Comparative Analysis of Global Solar Radiation Models in Different Regions of China. <i>Advances in Meteorology</i> , 2018 , 2018, 1-21	1.7	9
19	Carbon budget of a rainfed spring maize cropland with straw returning on the Loess Plateau, China. <i>Science of the Total Environment</i> , 2017 , 586, 1193-1203	10.2	18
18	Spatiotemporal variation of reference evapotranspiration during 1954-2013 in Southwest China. <i>Quaternary International</i> , 2017 , 441, 129-139	2	28
17	Comparison of artificial intelligence and empirical models for estimation of daily diffuse solar radiation in North China Plain. <i>International Journal of Hydrogen Energy</i> , 2017 , 42, 14418-14428	6.7	45
16	Modeling reference evapotranspiration using extreme learning machine and generalized regression neural network only with temperature data. <i>Computers and Electronics in Agriculture</i> , 2017 , 136, 71-78	6.5	136

15	Estimation of maize evapotranspiration using extreme learning machine and generalized regression neural network on the China Loess Plateau 2017 , 48, 1156-1168		18
14	Evaluation of random forests and generalized regression neural networks for daily reference evapotranspiration modelling. <i>Agricultural Water Management</i> , 2017 , 193, 163-173	5.9	125
13	Response of sap flux and evapotranspiration to deficit irrigation of greenhouse pear-jujube trees in semi-arid northwest China. <i>Agricultural Water Management</i> , 2017 , 194, 1-12	5.9	8
12	Carbon exchange of a rainfed spring maize cropland under plastic film mulching with straw returning on the Loess Plateau, China. <i>Catena</i> , 2017 , 158, 298-308	5.8	10
11	Energy balance and partitioning in partial plastic mulched and non-mulched maize fields on the Loess Plateau of China. <i>Agricultural Water Management</i> , 2017 , 191, 193-206	5.9	23
10	Comparison of multi-level water use efficiency between plastic film partially mulched and non-mulched croplands at eastern Loess Plateau of China. <i>Agricultural Water Management</i> , 2017 , 179, 215-226	5.9	24
9	Comparison of ET partitioning and crop coefficients between partial plastic mulched and non-mulched maize fields. <i>Agricultural Water Management</i> , 2017 , 181, 23-34	5.9	35
8	Calibration of Hargreaves model for reference evapotranspiration estimation in Sichuan basin of southwest China. <i>Agricultural Water Management</i> , 2017 , 181, 1-9	5.9	94
7	Ecosystem respiration and its components in a rainfed spring maize cropland in the Loess Plateau, China. <i>Scientific Reports</i> , 2017 , 7, 17614	4.9	9
6	Comparison of ELM, GANN, WNN and empirical models for estimating reference evapotranspiration in humid region of Southwest China. <i>Journal of Hydrology</i> , 2016 , 536, 376-383	6	98
5	Warmer and Wetter Soil Stimulates Assimilation More than Respiration in Rainfed Agricultural Ecosystem on the China Loess Plateau: The Role of Partial Plastic Film Mulching Tillage. <i>PLoS ONE</i> , 2015 , 10, e0136578	3.7	35
4	Germination, growth, photosynthesis and ionic balance in <i>Setaria viridis</i> seedlings subjected to saline and alkaline stress. <i>Canadian Journal of Plant Science</i> , 2011 , 91, 1077-1088	1	12
3	Estimation of evapotranspiration and its components from an apple orchard in northwest China using sap flow and water balance methods. <i>Hydrological Processes</i> , 2007 , 21, 931-938	3.3	44
2	A two-dimensional model of root water uptake for single apple trees and its verification with sap flow and soil water content measurements. <i>Agricultural Water Management</i> , 2006 , 83, 119-129	5.9	44
1	Responses of canopy transpiration and canopy conductance of peach (<i>Prunus persica</i>) trees to alternate partial root zone drip irrigation. <i>Hydrological Processes</i> , 2005 , 19, 2575-2590	3.3	10