

# Daozhi Gong

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/3927294/daozi-gong-publications-by-citations.pdf>

**Version:** 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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	Modeling reference evapotranspiration using extreme learning machine and generalized regression neural network only with temperature data. <i>Computers and Electronics in Agriculture</i> , <b>2017</b> , 136, 71-78	6.5	136
49	Evaluation of random forests and generalized regression neural networks for daily reference evapotranspiration modelling. <i>Agricultural Water Management</i> , <b>2017</b> , 193, 163-173	5.9	125
48	Comparison of ELM, GANN, WNN and empirical models for estimating reference evapotranspiration in humid region of Southwest China. <i>Journal of Hydrology</i> , <b>2016</b> , 536, 376-383	6	98
47	Calibration of Hargreaves model for reference evapotranspiration estimation in Sichuan basin of southwest China. <i>Agricultural Water Management</i> , <b>2017</b> , 181, 1-9	5.9	94
46	Estimation of soil temperature from meteorological data using different machine learning models. <i>Geoderma</i> , <b>2019</b> , 338, 67-77	6.7	72
45	Evaluation of temperature-based machine learning and empirical models for predicting daily global solar radiation. <i>Energy Conversion and Management</i> , <b>2019</b> , 198, 111780	10.6	56
44	Machine learning models to quantify and map daily global solar radiation and photovoltaic power. <i>Renewable and Sustainable Energy Reviews</i> , <b>2020</b> , 118, 109393	16.2	55
43	Soil wet aggregate distribution and pore size distribution under different tillage systems after 16 years in the Loess Plateau of China. <i>Catena</i> , <b>2019</b> , 173, 38-47	5.8	49
42	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> , <b>2017</b> , 42, 14418-14428	6.7	45
41	Estimation of evapotranspiration and its components from an apple orchard in northwest China using sap flow and water balance methods. <i>Hydrological Processes</i> , <b>2007</b> , 21, 931-938	3.3	44
40	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> , <b>2006</b> , 83, 119-129	5.9	44
39	National-scale assessment of pan evaporation models across different climatic zones of China. <i>Journal of Hydrology</i> , <b>2018</b> , 564, 314-328	6	42
38	Hybrid particle swarm optimization with extreme learning machine for daily reference evapotranspiration prediction from limited climatic data. <i>Computers and Electronics in Agriculture</i> , <b>2020</b> , 173, 105430	6.5	42
37	Evaluation of artificial intelligence models for actual crop evapotranspiration modeling in mulched and non-mulched maize croplands. <i>Computers and Electronics in Agriculture</i> , <b>2018</b> , 152, 375-384	6.5	39
36	Comparison of ET partitioning and crop coefficients between partial plastic mulched and non-mulched maize fields. <i>Agricultural Water Management</i> , <b>2017</b> , 181, 23-34	5.9	35
35	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> , <b>2015</b> , 10, e0136578	3.7	35
34	Spatiotemporal variation of reference evapotranspiration during 1954-2013 in Southwest China. <i>Quaternary International</i> , <b>2017</b> , 441, 129-139	2	28

33	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> , <b>2017</b> , 179, 215-226	5.9	24
32	Energy balance and partitioning in partial plastic mulched and non-mulched maize fields on the Loess Plateau of China. <i>Agricultural Water Management</i> , <b>2017</b> , 191, 193-206	5.9	23
31	Improvement of Makkink model for reference evapotranspiration estimation using temperature data in Northwest China. <i>Journal of Hydrology</i> , <b>2018</b> , 566, 264-273	6	22
30	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> , <b>2019</b> , 164, 104905	6.5	21
29	Development of data-driven models for prediction of daily global horizontal irradiance in Northwest China. <i>Journal of Cleaner Production</i> , <b>2019</b> , 223, 136-146	10.3	21
28	Stomatal aperture rather than nitrogen nutrition determined water use efficiency of tomato plants under nitrogen fertigation. <i>Agricultural Water Management</i> , <b>2018</b> , 209, 94-101	5.9	21
27	Carbon budget of a rainfed spring maize cropland with straw returning on the Loess Plateau, China. <i>Science of the Total Environment</i> , <b>2017</b> , 586, 1193-1203	10.2	18
26	Estimation of maize evapotranspiration using extreme learning machine and generalized regression neural network on the China Loess Plateau <b>2017</b> , 48, 1156-1168		18
25	Evapotranspiration partitioning and energy budget in a rainfed spring maize field on the Loess Plateau, China. <i>Catena</i> , <b>2018</b> , 166, 249-259	5.8	18
24	Effects of different long-term tillage systems on the composition of organic matter by <sup>13</sup> C CP/TOSS NMR in physical fractions in the Loess Plateau of China. <i>Soil and Tillage Research</i> , <b>2019</b> , 194, 104321	6.5	16
23	Comparison of maize water consumption at different scales between mulched and non-mulched croplands. <i>Agricultural Water Management</i> , <b>2019</b> , 216, 315-324	5.9	15
22	National-scale development and calibration of empirical models for predicting daily global solar radiation in China. <i>Energy Conversion and Management</i> , <b>2020</b> , 203, 112236	10.6	15
21	Mulching improved soil water, root distribution and yield of maize in the Loess Plateau of Northwest China. <i>Agricultural Water Management</i> , <b>2020</b> , 241, 106340	5.9	14
20	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> , <b>2018</b> , 58, 853-862	2.4	13
19	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> , <b>2021</b> , 187, 106294	6.5	13
18	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> , <b>2011</b> , 91, 1077-1088	1	12
17	Water use efficiency and its drivers in four typical agroecosystems based on flux tower measurements. <i>Agricultural and Forest Meteorology</i> , <b>2020</b> , 295, 108200	5.8	12
16	Carbon exchange of a rainfed spring maize cropland under plastic film mulching with straw returning on the Loess Plateau, China. <i>Catena</i> , <b>2017</b> , 158, 298-308	5.8	10

15	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> , <b>2005</b> , 19, 2575-2590	3.3	10
14	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> , <b>2019</b> , 11, 4564	3.6	9
13	Ecosystem respiration and its components in a rainfed spring maize cropland in the Loess Plateau, China. <i>Scientific Reports</i> , <b>2017</b> , 7, 17614	4.9	9
12	Comparative Analysis of Global Solar Radiation Models in Different Regions of China. <i>Advances in Meteorology</i> , <b>2018</b> , 2018, 1-21	1.7	9
11	Distinct Drivers of Core and Accessory Components of Soil Microbial Community Functional Diversity under Environmental Changes. <i>MSystems</i> , <b>2019</b> , 4,	7.6	8
10	Response of sap flux and evapotranspiration to deficit irrigation of greenhouse pear-jujube trees in semi-arid northwest China. <i>Agricultural Water Management</i> , <b>2017</b> , 194, 1-12	5.9	8
9	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> , <b>2020</b> , 590, 125388	6	8
8	Comparison of satellite-based models for estimating gross primary productivity in agroecosystems. <i>Agricultural and Forest Meteorology</i> , <b>2021</b> , 297, 108253	5.8	8
7	High-resolution assessment of solar radiation and energy potential in China. <i>Energy Conversion and Management</i> , <b>2021</b> , 240, 114265	10.6	7
6	Two-dimensional monitoring of soil water content in fields with plastic mulching using electrical resistivity tomography. <i>Computers and Electronics in Agriculture</i> , <b>2019</b> , 159, 84-91	6.5	6
5	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> , <b>2021</b> , 603, 127028	6	5
4	Evaluation of bio-inspired optimization algorithms hybrid with artificial neural network for reference crop evapotranspiration estimation. <i>Computers and Electronics in Agriculture</i> , <b>2021</b> , 190, 106466	6.5	4
3	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> , <b>2022</b> , 260, 107329	5.9	2
2	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> , <b>2021</b> , 18, e1205	1.1	0
1	Energy and evapotranspiration partitioning over a humid region orchard: Field measurements and partitioning model comparisons. <i>Journal of Hydrology</i> , <b>2022</b> , 610, 127890	6	0