

# Rangjian Qiu

## List of Publications by Year in descending order

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Version: 2024-02-01

38  
papers

1,374  
citations

430442

18  
h-index

344852

36  
g-index

43  
all docs

43  
docs citations

43  
times ranked

914  
citing authors

#	ARTICLE	IF	CITATIONS
1	Quantitative response of greenhouse tomato yield and quality to water deficit at different growth stages. <i>Agricultural Water Management</i> , 2013, 129, 152-162.	2.4	164
2	Determination of comprehensive quality index for tomato and its response to different irrigation treatments. <i>Agricultural Water Management</i> , 2011, 98, 1228-1238.	2.4	143
3	Improved water use efficiency and fruit quality of greenhouse crops under regulated deficit irrigation in northwest China. <i>Agricultural Water Management</i> , 2017, 179, 193-204.	2.4	96
4	Modeling relations of tomato yield and fruit quality with water deficit at different growth stages under greenhouse condition. <i>Agricultural Water Management</i> , 2014, 146, 131-148.	2.4	78
5	Crop coefficient and evapotranspiration of grain maize modified by planting density in an arid region of northwest China. <i>Agricultural Water Management</i> , 2014, 142, 135-143.	2.4	78
6	Response of evapotranspiration and yield to planting density of solar greenhouse grown tomato in northwest China. <i>Agricultural Water Management</i> , 2013, 130, 44-51.	2.4	77
7	Evapotranspiration estimation using a modified Priestley-Taylor model in a rice-wheat rotation system. <i>Agricultural Water Management</i> , 2019, 224, 105755.	2.4	70
8	Assessing the SIMDualKc model for estimating evapotranspiration of hot pepper grown in a solar greenhouse in Northwest China. <i>Agricultural Systems</i> , 2015, 138, 1-9.	3.2	66
9	Responses of leaf gas exchange attributes, photosynthetic pigments and antioxidant enzymes in NaCl-stressed cotton ( <i>Gossypium hirsutum</i> L.) seedlings to exogenous glycine betaine and salicylic acid. <i>BMC Plant Biology</i> , 2020, 20, 434.	1.6	56
10	Energy partitioning and evapotranspiration of hot pepper grown in greenhouse with furrow and drip irrigation methods. <i>Scientia Horticulturae</i> , 2011, 129, 790-797.	1.7	55
11	Evapotranspiration and crop coefficient of tomato grown in a solar greenhouse under full and deficit irrigation. <i>Agricultural Water Management</i> , 2020, 235, 106154.	2.4	53
12	Effect of convection on the Penman-Monteith model estimates of transpiration of hot pepper grown in solar greenhouse. <i>Scientia Horticulturae</i> , 2013, 160, 163-171.	1.7	43
13	Effects of uneven vertical distribution of soil salinity under a buried straw layer on the growth, fruit yield, and fruit quality of tomato plants. <i>Scientia Horticulturae</i> , 2016, 203, 131-142.	1.7	41
14	Effect of Irrigation Regimes and Soil Texture on the Potassium Utilization Efficiency of Rice. <i>Agronomy</i> , 2019, 9, 100.	1.3	36
15	Evapotranspiration partitioning of greenhouse grown tomato using a modified Priestley-Taylor model. <i>Agricultural Water Management</i> , 2021, 247, 106709.	2.4	27
16	Variations in tomato yield and quality in relation to soil properties and evapotranspiration under greenhouse condition. <i>Scientia Horticulturae</i> , 2015, 197, 318-328.	1.7	24
17	Energy budget for tomato plants grown in a greenhouse in northern China. <i>Agricultural Water Management</i> , 2021, 255, 107039.	2.4	22
18	Effects of water deficit at different growth stages under drip irrigation on fruit quality of citrus in the humid areas of South China. <i>Agricultural Water Management</i> , 2022, 262, 107407.	2.4	19

#	ARTICLE	IF	CITATIONS
19	Evapotranspiration estimation using a modified crop coefficient model in a rotated rice-winter wheat system. <i>Agricultural Water Management</i> , 2022, 264, 107501.	2.4	19
20	Root length density distribution and associated soil water dynamics for tomato plants under furrow irrigation in a solar greenhouse. <i>Journal of Arid Land</i> , 2017, 9, 637-650.	0.9	18
21	Effects of irrigation water salinity on evapotranspiration modified by leaching fractions in hot pepper plants. <i>Scientific Reports</i> , 2017, 7, 7231.	1.6	17
22	Application of Exogenous Protectants Mitigates Salt-Induced Na <sup>+</sup> Toxicity and Sustains Cotton ( <i>Gossypium hirsutum</i> L.) Seedling Growth: Comparison of Glycine Betaine and Salicylic Acid. <i>Plants</i> , 2021, 10, 380.	1.6	17
23	Generalized Extreme Gradient Boosting model for predicting daily global solar radiation for locations without historical data. <i>Energy Conversion and Management</i> , 2022, 258, 115488.	4.4	17
24	Modeling daily global solar radiation using only temperature data: Past, development, and future. <i>Renewable and Sustainable Energy Reviews</i> , 2022, 163, 112511.	8.2	17
25	Influence of Water and Nitrogen Stress on Stem Sap Flow of Tomato Grown in a Solar Greenhouse. <i>Journal of the American Society for Horticultural Science</i> , 2015, 140, 111-119.	0.5	16
26	Differential response of rice evapotranspiration to varying patterns of warming. <i>Agricultural and Forest Meteorology</i> , 2021, 298-299, 108293.	1.9	14
27	Impacts of Mist Spray on Rice Field Micrometeorology and Rice Yield under Heat Stress Condition. <i>Scientific Reports</i> , 2020, 10, 1579.	1.6	11
28	Response of Hot Pepper Yield, Fruit Quality, and Fruit Ion Content to Irrigation Water Salinity and Leaching Fractions. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 2017, 52, 979-985.	0.5	10
29	Role of Hydraulic Signal and ABA in Decrease of Leaf Stomatal and Mesophyll Conductance in Soil Drought-Stressed Tomato. <i>Frontiers in Plant Science</i> , 2021, 12, 653186.	1.7	10
30	Effects of Uneven Vertical Distribution of Soil Salinity on Blossom-end Rot of Tomato Fruit. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 2017, 52, 958-964.	0.5	9
31	Maximizing leaf carbon gain in varying saline conditions: An optimization model with dynamic mesophyll conductance. <i>Plant Journal</i> , 2020, 101, 543-554.	2.8	9
32	Real-time methods for short and medium-term evapotranspiration forecasting using dynamic crop coefficient and historical threshold. <i>Journal of Hydrology</i> , 2022, 606, 127414.	2.3	8
33	Effects of Irrigation Water Salinity on the Growth, Gas Exchange Parameters, and Ion Concentration of Hot Pepper Plants Modified by Leaching Fractions. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 2018, 53, 1050-1055.	0.5	6
34	An investigation on possible effect of leaching fractions physiological responses of hot pepper plants to irrigation water salinity. <i>BMC Plant Biology</i> , 2019, 19, 297.	1.6	6
35	An improved method to estimate actual vapor pressure without relative humidity data. <i>Agricultural and Forest Meteorology</i> , 2021, 298-299, 108306.	1.9	5
36	Comparison of machine learning and dynamic models for predicting actual vapour pressure when psychrometric data are unavailable. <i>Journal of Hydrology</i> , 2022, 610, 127989.	2.3	5

#	ARTICLE	IF	CITATIONS
37	Application of the Simple Biosphere Model 2 (SiB2) with Irrigation Module to a Typical Low-Hilly Red Soil Farmland and the Sensitivity Analysis of Modeled Energy Fluxes in Southern China. <i>Water</i> (Switzerland), 2019, 11, 1128.	1.2	4
38	Effects of water stress at different growth stage on greenhouse multiple-trusses tomato yield and quality. , 2011, , .		3