

# Qiang Yu

## List of Publications by Year in Descending Order

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**Version:** 2024-04-28

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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.

268  
papers

6,261  
citations

42  
h-index

65  
g-index

283  
ext. papers

7,851  
ext. citations

5.2  
avg, IF

6.09  
L-index

#	Paper	IF	Citations
268	Direct estimation of photosynthetic CO <sub>2</sub> assimilation from solar-induced chlorophyll fluorescence (SIF). <i>Remote Sensing of Environment</i> , <b>2022</b> , 271, 112893	13.2	0
267	Inter-comparisons of mean, trend and interannual variability of global terrestrial gross primary production retrieved from remote sensing approach.. <i>Science of the Total Environment</i> , <b>2022</b> , 822, 153343	10.2	3
266	Using support vector machine to deal with the missing of solar radiation data in daily reference evapotranspiration estimation in China. <i>Agricultural and Forest Meteorology</i> , <b>2022</b> , 316, 108864	5.8	2
265	Aridity influences root versus shoot contributions to steppe grassland soil carbon stock and its stability. <i>Geoderma</i> , <b>2022</b> , 413, 115744	6.7	0
264	Heat wave tracker: A multi-method, multi-source heat wave measurement toolkit based on Google Earth Engine. <i>Environmental Modelling and Software</i> , <b>2022</b> , 147, 105255	5.2	1
263	Integrated microbiology and metabolomics analysis reveal responses of soil microorganisms and metabolic functions to phosphorus fertilizer on semiarid farm.. <i>Science of the Total Environment</i> , <b>2022</b> , 817, 152878	10.2	3
262	Intensification of water storage deficit in topsoil but not deep soil in a semi-humid forest after excluding precipitation for two years. <i>Journal of Hydrology</i> , <b>2022</b> , 605, 127374	6	
261	Assessing climate vulnerability of historical wheat yield in south-eastern Australia's wheat belt. <i>Agricultural Systems</i> , <b>2022</b> , 196, 103340	6.1	0
260	What is the past, present, and future of scientific research on the Yellow River Basin? A bibliometric analysis. <i>Agricultural Water Management</i> , <b>2022</b> , 262, 107404	5.9	2
259	Weather records from recent years performed better than analogue years when merging with real-time weather measurements for dynamic within-season predictions of rainfed maize yield. <i>Agricultural and Forest Meteorology</i> , <b>2022</b> , 315, 108810	5.8	
258	Diverging water-saving potential across China's potato planting regions. <i>European Journal of Agronomy</i> , <b>2022</b> , 134, 126450	5	2
257	Seasonal variation and controlling factors of evapotranspiration over dry semi-humid cropland in Guanzhong Plain, China. <i>Agricultural Water Management</i> , <b>2022</b> , 259, 107242	5.9	1
256	Assessing the Impact of Extreme Droughts on Dryland Vegetation by Multi-Satellite Solar-Induced Chlorophyll Fluorescence. <i>Remote Sensing</i> , <b>2022</b> , 14, 1581	5	1
255	Developing machine learning models with multi-source environmental data to predict wheat yield in China. <i>Computers and Electronics in Agriculture</i> , <b>2022</b> , 194, 106790	6.5	0
254	Evaluation of the APEX cattle weight gain component for grazing decision-support in the Western Great Plains. <i>Rangeland Ecology and Management</i> , <b>2022</b> , 82, 1-11	2.2	
253	Assimilating remote sensing data into a crop model improves winter wheat yield estimation based on regional irrigation data. <i>Agricultural Water Management</i> , <b>2022</b> , 266, 107583	5.9	2
252	Identifying sources of uncertainty in wheat production projections with consideration of crop climatic suitability under future climate. <i>Agricultural and Forest Meteorology</i> , <b>2022</b> , 319, 108933	5.8	1

251	Dominant sources of uncertainty in simulating maize adaptation under future climate scenarios in China. <i>Agricultural Systems</i> , <b>2022</b> , 199, 103411	6.1	0
250	Development of RZ-SHAW for simulating plastic mulch effects on soil water, soil temperature, and surface energy balance in a maize field. <i>Agricultural Water Management</i> , <b>2022</b> , 269, 107666	5.9	
249	Far-Red Chlorophyll Fluorescence Radiance Tracks Photosynthetic Carbon Assimilation Efficiency of Dark Reactions. <i>Applied Sciences (Switzerland)</i> , <b>2021</b> , 11, 10821	2.6	0
248	Fire Regime Impacts on Postfire Diurnal Land Surface Temperature Change Over North American Boreal Forest. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2021</b> , 126, e2021JD035589	4.4	0
247	Assessing maize potential to mitigate the adverse effects of future rising temperature and heat stress in China. <i>Agricultural and Forest Meteorology</i> , <b>2021</b> , 311, 108673	5.8	1
246	Integrated modeling of canopy photosynthesis, fluorescence, and the transfer of energy, mass, and momentum in the soil-plant-atmosphere continuum (STEMMUSCOPE v1.0.0). <i>Geoscientific Model Development</i> , <b>2021</b> , 14, 1379-1407	6.3	4
245	Decreased soil total phosphorus following artificial plantation in the Loess Plateau of China. <i>Geoderma</i> , <b>2021</b> , 385, 114882	6.7	5
244	Discrepant responses between evapotranspiration- and transpiration-based ecosystem water use efficiency to interannual precipitation fluctuations. <i>Agricultural and Forest Meteorology</i> , <b>2021</b> , 303, 108385	5.8	6
243	Impacts of climate change and increasing carbon dioxide levels on yield changes of major crops in suitable planting areas in China by the 2050s. <i>Ecological Indicators</i> , <b>2021</b> , 125, 107588	5.8	8
242	Evaluation of APEX modifications to simulate forage production for grazing management decision-support in the Western US Great Plains. <i>Agricultural Systems</i> , <b>2021</b> , 191, 103139	6.1	8
241	The improvement and comparison of diffuse radiation models in different climatic zones of China. <i>Atmospheric Research</i> , <b>2021</b> , 254, 105505	5.4	3
240	Relationship of population migration, crop production pattern, and socioeconomic development: evidence from the early 21st century. <i>Environmental Research Letters</i> , <b>2021</b> , 16, 074045	6.2	1
239	Optimizing Sowing Date and Planting Density Can Mitigate the Impacts of Future Climate on Maize Yield: A Case Study in the Guanzhong Plain of China. <i>Agronomy</i> , <b>2021</b> , 11, 1452	3.6	1
238	Quantifying the efficiency of soil conservation and optimized strategies: A case-study in a hotspot of afforestation in the Loess Plateau. <i>Land Degradation and Development</i> , <b>2021</b> , 32, 1114-1126	4.4	4
237	Performance evaluation and correction of precipitation data using the 20-year IMERG and TMPA precipitation products in diverse subregions of China. <i>Atmospheric Research</i> , <b>2021</b> , 249, 105304	5.4	21
236	Effects and prediction of nonpoint source pollution on the structure of aquatic food webs. <i>Ecohydrology</i> , <b>2021</b> , 14,	2.5	2
235	Calibration and precise orientation determination of a gun barrel for agriculture and forestry work using a high-precision total station. <i>Measurement: Journal of the International Measurement Confederation</i> , <b>2021</b> , 173, 108494	4.6	4
234	Does agroecosystem model improvement increase simulation accuracy for agricultural N2O emissions?. <i>Agricultural and Forest Meteorology</i> , <b>2021</b> , 297, 108281	5.8	1

233	Standards for environmental flow verification. <i>Ecohydrology</i> , <b>2021</b> , 14,	2.5	2
232	Bioenergy research under climate change: a bibliometric analysis from a country perspective. <i>Environmental Science and Pollution Research</i> , <b>2021</b> , 28, 26427-26440	5.1	1
231	Yield gap and resource utilization efficiency of three major food crops in the world – A review. <i>Journal of Integrative Agriculture</i> , <b>2021</b> , 20, 349-362	3.2	12
230	Response of Growing Season Gross Primary Production to El Niño in Different Phases of the Pacific Decadal Oscillation over Eastern China Based on Bayesian Model Averaging. <i>Advances in Atmospheric Sciences</i> , <b>2021</b> , 38, 1580-1595	2.9	1
229	Soil microbial community and network changes after long-term use of plastic mulch and nitrogen fertilization on semiarid farmland. <i>Geoderma</i> , <b>2021</b> , 396, 115086	6.7	13
228	Crop yield forecasting and associated optimum lead time analysis based on multi-source environmental data across China. <i>Agricultural and Forest Meteorology</i> , <b>2021</b> , 308-309, 108558	5.8	7
227	Comparisons among four different upscaling strategies for cultivar genetic parameters in rainfed spring wheat phenology simulations with the DSSAT-CERES-Wheat model. <i>Agricultural Water Management</i> , <b>2021</b> , 258, 107181	5.9	2
226	Comprehensive assessment of MODIS-derived near-surface air temperature using wide elevation-spanned measurements in China. <i>Science of the Total Environment</i> , <b>2021</b> , 800, 149535	10.2	8
225	Sources of uncertainty for wheat yield projections under future climate are site-specific. <i>Nature Food</i> , <b>2020</b> , 1, 720-728	14.4	15
224	Analyzing adaptation strategies for maize production under future climate change in Guanzhong Plain, China. <i>Mitigation and Adaptation Strategies for Global Change</i> , <b>2020</b> , 25, 1523-1543	3.9	13
223	Spatiotemporal partitioning of savanna plant functional type productivity along NATT. <i>Remote Sensing of Environment</i> , <b>2020</b> , 246, 111855	13.2	7
222	Simulating the Influences of Soil Water Stress on Leaf Expansion and Senescence of Winter Wheat. <i>Agricultural and Forest Meteorology</i> , <b>2020</b> , 291, 108061	5.8	11
221	Creating New Near-Surface Air Temperature Datasets to Understand Elevation-Dependent Warming in the Tibetan Plateau. <i>Remote Sensing</i> , <b>2020</b> , 12, 1722	5	4
220	Characteristics of high-impact agronomic journals. <i>Agronomy Journal</i> , <b>2020</b> , 112, 3878-3890	2.2	1
219	Quantifying the impacts of pre-occurred ENSO signals on wheat yield variation using machine learning in Australia. <i>Agricultural and Forest Meteorology</i> , <b>2020</b> , 291, 108043	5.8	12
218	Estimating crop genetic parameters for DSSAT with modified PEST software. <i>European Journal of Agronomy</i> , <b>2020</b> , 115, 126017	5	7
217	Direct assimilation of measured soil water content in Root Zone Water Quality Model calibration for deficit-irrigated maize. <i>Agronomy Journal</i> , <b>2020</b> , 112, 844-860	2.2	3
216	Using an improved SWAT model to simulate hydrological responses to land use change: A case study of a catchment in tropical Australia. <i>Journal of Hydrology</i> , <b>2020</b> , 585, 124822	6	32

215	Using MODIS LAI Data to Monitor Spatio-Temporal Changes of Winter Wheat Phenology in Response to Climate Warming. <i>Remote Sensing</i> , <b>2020</b> , 12, 786	5	10
214	Improving solar radiation estimation in China based on regional optimal combination of meteorological factors with machine learning methods. <i>Energy Conversion and Management</i> , <b>2020</b> , 220, 113111	10.6	8
213	Decadal water storage decrease driven by vegetation changes in the Yellow River Basin. <i>Science Bulletin</i> , <b>2020</b> , 65, 1859-1861	10.6	17
212	Plastic temperature response function accurately simulates crop flowering or heading date. <i>Agronomy Journal</i> , <b>2020</b> , 112, 3832-3846	2.2	
211	Dynamic within-season irrigation scheduling for maize production in Northwest China: A Method Based on Weather Data Fusion and yield prediction by DSSAT. <i>Agricultural and Forest Meteorology</i> , <b>2020</b> , 285-286, 107928	5.8	8
210	Simulation of plant height of winter wheat under soil Water stress using modified growth functions. <i>Agricultural Water Management</i> , <b>2020</b> , 232, 106066	5.9	11
209	Carbon, water and energy fluxes in agricultural systems of Australia and New Zealand. <i>Agricultural and Forest Meteorology</i> , <b>2020</b> , 287, 107934	5.8	6
208	Projecting potential evapotranspiration change and quantifying its uncertainty under future climate scenarios: A case study in southeastern Australia. <i>Journal of Hydrology</i> , <b>2020</b> , 584, 124756	6	8
207	Total soil organic carbon increases but becomes more labile after afforestation in China's Loess Plateau. <i>Forest Ecology and Management</i> , <b>2020</b> , 461, 117911	3.9	7
206	Dynamic wheat yield forecasts are improved by a hybrid approach using a biophysical model and machine learning technique. <i>Agricultural and Forest Meteorology</i> , <b>2020</b> , 285-286, 107922	5.8	32
205	The Responses of Maize Yield and Water Use to Growth Stage-Based Irrigation on the Loess Plateau in China. <i>International Journal of Plant Production</i> , <b>2020</b> , 14, 621-633	2.4	7
204	Using large-scale climate drivers to forecast meteorological drought condition in growing season across the Australian wheatbelt. <i>Science of the Total Environment</i> , <b>2020</b> , 724, 138162	10.2	14
203	Leaf photosynthetic light response of summer maize: comparison of models and analysis of parameters. <i>Photosynthetica</i> , <b>2020</b> , 58, 19-28	2.2	3
202	Sugarcane leaf photosynthetic light responses and their difference between varieties under high temperature stress. <i>Photosynthetica</i> , <b>2020</b> , 58, 1009-1018	2.2	1
201	Machine learning-based integration of large-scale climate drivers can improve the forecast of seasonal rainfall probability in Australia. <i>Environmental Research Letters</i> , <b>2020</b> , 15, 084051	6.2	7
200	Target areas for harmonizing the Grain for Green Programme in China's Loess Plateau. <i>Land Degradation and Development</i> , <b>2020</b> , 31, 325-333	4.4	13
199	Effects of different mulching and fertilization on phosphorus transformation in upland farmland. <i>Journal of Environmental Management</i> , <b>2020</b> , 253, 109717	7.9	7
198	Permanent wilting point plays an important role in simulating winter wheat growth under water deficit conditions. <i>Agricultural Water Management</i> , <b>2020</b> , 229, 105954	5.9	10

197	What is the best article publishing strategy for early career scientists?. <i>Scientometrics</i> , <b>2020</b> , 122, 397-408		9
196	Impacts of climate change and crop management practices on soybean phenology changes in China. <i>Science of the Total Environment</i> , <b>2020</b> , 707, 135638	10.2	24
195	Optimizing sowing window and cultivar choice can boost China's maize yield under 1.5 °C and 2 °C global warming. <i>Environmental Research Letters</i> , <b>2020</b> , 15, 024015	6.2	11
194	Incorporating dynamic factors for improving a GIS-based solar radiation model. <i>Transactions in GIS</i> , <b>2020</b> , 24, 423-441	2.1	2
193	Attribution of climate and human activities to vegetation change in China using machine learning techniques. <i>Agricultural and Forest Meteorology</i> , <b>2020</b> , 294, 108146	5.8	34
192	Improving Estimation of Seasonal Evapotranspiration in Australian Tropical Savannas using a Flexible Drought Index. <i>Agricultural and Forest Meteorology</i> , <b>2020</b> , 295, 108203	5.8	2
191	Remote sensing estimation of the soil erosion cover-management factor for China's Loess Plateau. <i>Land Degradation and Development</i> , <b>2020</b> , 31, 1942-1955	4.4	7
190	Rapid Urbanization and Agricultural Intensification Increase Regional Evaporative Water Consumption of the Loess Plateau. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2020</b> , 125, e2020JD033380 <sup>†</sup>	4.4	1
189	Quantifying key model parameters for wheat leaf gas exchange under different environmental conditions. <i>Journal of Integrative Agriculture</i> , <b>2020</b> , 19, 2188-2205	3.2	2
188	Identification of current research intensity and influence factors of agricultural nitrogen loss from cropping systems. <i>Journal of Cleaner Production</i> , <b>2020</b> , 276, 123308	10.3	14
187	Influence of phosphorus fertilization patterns on the bacterial community in upland farmland. <i>Industrial Crops and Products</i> , <b>2020</b> , 155, 112761	5.9	15
186	Quantifying future drought change and associated uncertainty in southeastern Australia with multiple potential evapotranspiration models. <i>Journal of Hydrology</i> , <b>2020</b> , 590, 125394	6	9
185	Individual Rainfall Change Based on Observed Hourly Precipitation Records on the Chinese Loess Plateau from 1983 to 2012. <i>Water (Switzerland)</i> , <b>2020</b> , 12, 2268	3	
184	Use of a plastic temperature response function reduces simulation error of crop maturity date by half. <i>Agricultural and Forest Meteorology</i> , <b>2020</b> , 280, 107770	5.8	1
183	Tracing geochemical pollutants in stream water and soil from mining activity in an alpine catchment. <i>Chemosphere</i> , <b>2020</b> , 242, 125167	8.4	4
182	Spatial pattern and seasonal dynamics of the photosynthesis activity across Australian rainfed croplands. <i>Ecological Indicators</i> , <b>2020</b> , 108, 105669	5.8	3
181	Extreme rainfall, rainfall erosivity, and hillslope erosion in Australian Alpine region and their future changes. <i>International Journal of Climatology</i> , <b>2020</b> , 40, 1213-1227	3.5	7
180	Vegetation and species impacts on soil organic carbon sequestration following ecological restoration over the Loess Plateau, China. <i>Geoderma</i> , <b>2020</b> , 371, 114389	6.7	13

179	Quantifying Light Response of Leaf-Scale Water-Use Efficiency and Its Interrelationships With Photosynthesis and Stomatal Conductance in C <sub>3</sub> and C <sub>4</sub> Species. <i>Frontiers in Plant Science</i> , <b>2020</b> , 11, 374	6.2	7
178	Effects of spatial variation in water quality and hydrological factors on environmental flows. <i>Science of the Total Environment</i> , <b>2020</b> , 728, 138695	10.2	9
177	Impact of spatial variations in water quality and hydrological factors on the food-web structure in urban aquatic environments. <i>Water Research</i> , <b>2019</b> , 153, 121-133	12.5	24
176	Distribution margins as natural laboratories to infer species flowering responses to climate warming and implications for frost risk. <i>Agricultural and Forest Meteorology</i> , <b>2019</b> , 268, 299-307	5.8	24
175	Incorporating machine learning with biophysical model can improve the evaluation of climate extremes impacts on wheat yield in south-eastern Australia. <i>Agricultural and Forest Meteorology</i> , <b>2019</b> , 275, 100-113	5.8	65
174	Uncertainty of CERES-Maize Calibration under Different Irrigation Strategies Using PEST Optimization Algorithm. <i>Agronomy</i> , <b>2019</b> , 9, 241	3.6	7
173	Impacts of diffuse radiation fraction on light use efficiency and gross primary production of winter wheat in the North China Plain. <i>Agricultural and Forest Meteorology</i> , <b>2019</b> , 275, 233-242	5.8	14
172	Impacts of future climate change on water resource availability of eastern Australia: A case study of the Manning River basin. <i>Journal of Hydrology</i> , <b>2019</b> , 573, 49-59	6	29
171	Machine learning-based integration of remotely-sensed drought factors can improve the estimation of agricultural drought in South-Eastern Australia. <i>Agricultural Systems</i> , <b>2019</b> , 173, 303-316	6.1	68
170	Projected changes in drought across the wheat belt of southeastern Australia using a downscaled climate ensemble. <i>International Journal of Climatology</i> , <b>2019</b> , 39, 1041-1053	3.5	15
169	Identifying agronomic options for better potato production and conserving water resources in the agro-pastoral ecotone in North China. <i>Agricultural and Forest Meteorology</i> , <b>2019</b> , 272-273, 91-101	5.8	13
168	Assessing Impacts of Climate Change and Human Activities on Streamflow and Sediment Discharge in the Ganjiang River Basin (1964-2013). <i>Water (Switzerland)</i> , <b>2019</b> , 11, 1679	3	14
167	Using soil aggregate stability and erodibility to evaluate the sustainability of large-scale afforestation of <i>Robinia pseudoacacia</i> and <i>Caragana korshinskii</i> in the Loess Plateau. <i>Forest Ecology and Management</i> , <b>2019</b> , 450, 117491	3.9	18
166	Predicting spring wheat yields based on water use-yield production function in a semi-arid climate. <i>Spanish Journal of Agricultural Research</i> , <b>2019</b> , 17, e1201	1.1	1
165	Assessing China's agricultural water use efficiency in a green-blue water perspective: A study based on data envelopment analysis. <i>Ecological Indicators</i> , <b>2019</b> , 96, 329-335	5.8	49
164	Designing wheat ideotypes to cope with future changing climate in South-Eastern Australia. <i>Agricultural Systems</i> , <b>2019</b> , 170, 9-18	6.1	24
163	Satellite-observed vegetation stability in response to changes in climate and total water storage in Central Asia. <i>Science of the Total Environment</i> , <b>2019</b> , 659, 862-871	10.2	31
162	Measured Phenology Response of Unchanged Crop Varieties to Long-Term Historical Climate Change. <i>International Journal of Plant Production</i> , <b>2019</b> , 13, 47-58	2.4	10

161	Estimation of event-based rainfall erosivity from radar after wildfire. <i>Land Degradation and Development</i> , <b>2019</b> , 30, 33-48	4.4	2
160	Rainfall erosivity and sediment load over the Poyang Lake Basin under variable climate and human activities since the 1960s. <i>Theoretical and Applied Climatology</i> , <b>2019</b> , 136, 15-30	3	7
159	Impacts of rainfall extremes on wheat yield in semi-arid cropping systems in eastern Australia. <i>Climatic Change</i> , <b>2018</b> , 147, 555-569	4.5	37
158	Joint structural and physiological control on the interannual variation in productivity in a temperate grassland: A data-model comparison. <i>Global Change Biology</i> , <b>2018</b> , 24, 2965-2979	11.4	31
157	Use of satellite leaf area index estimating evapotranspiration and gross assimilation for Australian ecosystems. <i>Ecohydrology</i> , <b>2018</b> , 11, e1974	2.5	41
156	Evaluating Global Land Surface Models in CMIP5: Analysis of Ecosystem Water- and Light-Use Efficiencies and Rainfall Partitioning. <i>Journal of Climate</i> , <b>2018</b> , 31, 2995-3008	4.4	12
155	Spatial Patterns of Relationship Between Wheat Yield and Yield Components in China. <i>International Journal of Plant Production</i> , <b>2018</b> , 12, 61-71	2.4	3
154	Identifying the principal driving factors of water ecosystem dependence and the corresponding indicator species in a pilot City, China. <i>Journal of Hydrology</i> , <b>2018</b> , 556, 488-499	6	11
153	Australian wheat production expected to decrease by the late 21st century. <i>Global Change Biology</i> , <b>2018</b> , 24, 2403-2415	11.4	37
152	Scale-Specific Controller of Carbon and Water Exchanges Over Wheat Field Identified by Ensemble Empirical Mode Decomposition. <i>International Journal of Plant Production</i> , <b>2018</b> , 12, 43-52	2.4	1
151	Identifying key meteorological factors to yield variation of potato and the optimal planting date in the agro-pastoral ecotone in North China. <i>Agricultural and Forest Meteorology</i> , <b>2018</b> , 256-257, 283-291	5.8	20
150	Quantifying effects of hydrological and water quality disturbances on fish with food-web modeling. <i>Journal of Hydrology</i> , <b>2018</b> , 560, 1-10	6	8
149	Multi-model ensemble projections of future extreme heat stress on rice across southern China. <i>Theoretical and Applied Climatology</i> , <b>2018</b> , 133, 1107-1118	3	33
148	Using multi-model ensembles of CMIP5 global climate models to reproduce observed monthly rainfall and temperature with machine learning methods in Australia. <i>International Journal of Climatology</i> , <b>2018</b> , 38, 4891-4902	3.5	35
147	Disentangling Climate and LAI Effects on Seasonal Variability in Water Use Efficiency Across Terrestrial Ecosystems in China. <i>Journal of Geophysical Research G: Biogeosciences</i> , <b>2018</b> , 123, 2429-2443	3.7	11
146	Effects of water stress on water use efficiency of irrigated and rainfed wheat in the Loess Plateau, China. <i>Science of the Total Environment</i> , <b>2018</b> , 642, 1-11	10.2	34
145	Diverse sensitivity of winter crops over the growing season to climate and land surface temperature across the rainfed cropland-belt of eastern Australia. <i>Agriculture, Ecosystems and Environment</i> , <b>2018</b> , 254, 99-110	5.7	12
144	Spatio-temporal distribution of sugarcane potential yields and yield gaps in Southern China. <i>European Journal of Agronomy</i> , <b>2018</b> , 92, 72-83	5	24



143	Determining agricultural drought for spring wheat with statistical models in a semi-arid climate. <i>J Agricultural Meteorology</i> , <b>2018</b> , 74, 162-172	1.1	4
142	Quantifying sources of uncertainty in projected wheat yield changes under climate change in eastern Australia. <i>Climatic Change</i> , <b>2018</b> , 151, 259-273	4.5	16
141	Trend and Change-Point Analysis of Streamflow and Sediment Discharge of the Gongshui River in China during the Last 60 Years. <i>Water (Switzerland)</i> , <b>2018</b> , 10, 1273	3	14
140	Optimizing resource use efficiencies in the food-energy-water nexus for sustainable agriculture: from conceptual model to decision support system. <i>Current Opinion in Environmental Sustainability</i> , <b>2018</b> , 33, 104-113	7.2	51
139	Robustness and Uncertainties of the "Temperature and Greenness" Model for Estimating Terrestrial Gross Primary Production. <i>Scientific Reports</i> , <b>2017</b> , 7, 44046	4.9	7
138	Incorporating grain legumes in cereal-based cropping systems to improve profitability in southern New South Wales, Australia. <i>Agricultural Systems</i> , <b>2017</b> , 154, 112-123	6.1	7
137	Challenges and opportunities in land surface modelling of savanna ecosystems. <i>Biogeosciences</i> , <b>2017</b> , 14, 4711-4732	4.6	32
136	Modelling wheat yield change under CO2 increase, heat and water stress in relation to plant available water capacity in eastern Australia. <i>European Journal of Agronomy</i> , <b>2017</b> , 90, 152-161	5	29
135	Responses of LAI to rainfall explain contrasting sensitivities to carbon uptake between forest and non-forest ecosystems in Australia. <i>Scientific Reports</i> , <b>2017</b> , 7, 11720	4.9	9
134	Biophysical controls of soil respiration in a wheat-maize rotation system in the North China Plain. <i>Agricultural and Forest Meteorology</i> , <b>2017</b> , 246, 231-240	5.8	21
133	Diffuse nitrogen loss simulation and impact assessment of stereoscopic agriculture pattern by integrated water system model and consideration of multiple existence forms. <i>Journal of Hydrology</i> , <b>2017</b> , 552, 660-673	6	5
132	Calculating e-flow using UAV and ground monitoring. <i>Journal of Hydrology</i> , <b>2017</b> , 552, 351-365	6	29
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