

# Qinxue Wang

## List of Publications by Year in descending order

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Version: 2024-02-01

51  
papers

1,276  
citations

361413

20  
h-index

377865

34  
g-index

53  
all docs

53  
docs citations

53  
times ranked

1805  
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent ground surface warming and its effects on permafrost on the central Qinghai-Tibet Plateau. <i>International Journal of Climatology</i> , 2013, 33, 920-930.	3.5	115
2	Optimizing irrigation management for wheat to reduce groundwater depletion in the piedmont region of the Taihang Mountains in the North China Plain. <i>Agricultural Water Management</i> , 2006, 82, 25-44.	5.6	102
3	Changes in nitrogen budgets and nitrogen use efficiency in the agroecosystems of the Changjiang River basin between 1980 and 2000. <i>Nutrient Cycling in Agroecosystems</i> , 2008, 80, 19-37.	2.2	82
4	Simulation of water and carbon fluxes using BIOME-BGC model over crops in China. <i>Agricultural and Forest Meteorology</i> , 2005, 131, 209-224.	4.8	69
5	Shallow groundwater dynamics in North China Plain. <i>Journal of Chinese Geography</i> , 2009, 19, 175-188.	3.9	60
6	Soil thermal conductivity and its influencing factors at the Tanggula permafrost region on the Qinghai-Tibet Plateau. <i>Agricultural and Forest Meteorology</i> , 2019, 264, 235-246.	4.8	59
7	Variations in water and CO <sub>2</sub> fluxes over a saline desert in western China. <i>Hydrological Processes</i> , 2012, 26, 513-522.	2.6	58
8	Nitrogen budgets of agricultural fields of the Changjiang River basin from 1980 to 1990. <i>Science of the Total Environment</i> , 2006, 363, 136-148.	8.0	56
9	Development of a Simple Remote Sensing Evapotranspiration model (Sim-ReSET): Algorithm and model test. <i>Journal of Hydrology</i> , 2009, 376, 476-485.	5.4	53
10	The impacts of a linear wastewater reservoir on groundwater recharge and geochemical evolution in a semi-arid area of the Lake Baiyangdian watershed, North China Plain. <i>Science of the Total Environment</i> , 2014, 482-483, 325-335.	8.0	42
11	The magnitude of the effect of air pollution on sunshine hours in China. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	34
12	Relationship between Evapotranspiration and Land Surface Temperature under Energy- and Water-Limited Conditions in Dry and Cold Climates. <i>Advances in Meteorology</i> , 2016, 2016, 1-9.	1.6	33
13	Variation of gross primary production, evapotranspiration and water use efficiency for global croplands. <i>Agricultural and Forest Meteorology</i> , 2020, 287, 107935.	4.8	30
14	Evaluation of MOD16 algorithm using MODIS and ground observational data in winter wheat field in North China Plain. <i>Hydrological Processes</i> , 2007, 21, 1196-1206.	2.6	29
15	Shallow groundwater dynamics and origin of salinity at two sites in salinated and water-deficient region of North China Plain, China. <i>Environmental Earth Sciences</i> , 2012, 66, 729-739.	2.7	28
16	A New Method to Define the VI-Ts Diagram Using Subpixel Vegetation and Soil Information: A Case Study over a Semiarid Agricultural Region in the North China Plain. <i>Sensors</i> , 2008, 8, 6260-6279.	3.8	26
17	Observed trends in surface freezing/thawing index over the period 1987-2005 in Mongolia. <i>Cold Regions Science and Technology</i> , 2011, 69, 105-105.	3.5	25
18	30-year changes in the nitrogen inputs to the Yangtze River Basin. <i>Environmental Research Letters</i> , 2014, 9, 115005.	5.2	25

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19	Recent trends in nitrogen flows with urbanization in the Shanghai megacity and the effects on the water environment. <i>Environmental Science and Pollution Research</i> , 2015, 22, 3431-3440.	5.3	25
20	Estimation of soil respiration in a paddy ecosystem in the subtropical region of China. <i>Science Bulletin</i> , 2007, 52, 2722-2730.	1.7	24
21	Biogeochemical model (BGC-ES) and its basin-level application for evaluating ecosystem services under forest management practices. <i>Ecological Modelling</i> , 2010, 221, 1979-1994.	2.5	21
22	Mapping vertical profile of discontinuous permafrost with ground penetrating radar at Nalaikh depression, Mongolia. <i>Environmental Geology</i> , 2009, 56, 1577-1583.	1.2	20
23	Nitrogen transported to three Gorges Dam from agro-ecosystems during 1980â€“2000. <i>Biogeochemistry</i> , 2006, 81, 291-312.	3.5	19
24	Spatial and temporal changes of floating population in China between 1990 and 2000. <i>Chinese Geographical Science</i> , 2007, 17, 99-109.	3.0	17
25	Effect of reforestation on nitrogen and phosphorus dynamics in the catchment ecosystems of subtropical China: the example of the Hanjiang River basin. <i>Journal of the Science of Food and Agriculture</i> , 2012, 92, 1119-1129.	3.5	17
26	Estimation of land-surface evaporation at four forest sites across Japan with the new nonlinear complementary method. <i>Scientific Reports</i> , 2017, 7, 17793.	3.3	17
27	Evaluating MODIS phenology product for rotating croplands through ground observations. <i>Journal of Applied Remote Sensing</i> , 2013, 7, 073562.	1.3	16
28	Human behavioral impact on nitrogen flowâ€”A case study of the rural areas of the middle and lower reaches of the Changjiang River, China. <i>Agriculture, Ecosystems and Environment</i> , 2008, 125, 84-92.	5.3	15
29	Impact assessment of human diet changes with rapid urbanization on regional nitrogen and phosphorus flowsâ€”a case study of the megacity Shanghai. <i>Environmental Science and Pollution Research</i> , 2014, 21, 1905-1914.	5.3	15
30	Diverse Responses of Remotely Sensed Grassland Phenology to Interannual Climate Variability over Frozen Ground Regions in Mongolia. <i>Remote Sensing</i> , 2015, 7, 360-377.	4.0	15
31	Land-cover Classification Using ASTER Multi-band Combinations Based on Wavelet Fusion and SOM Neural Network. <i>Photogrammetric Engineering and Remote Sensing</i> , 2008, 74, 333-342.	0.6	12
32	Further evaluation of the Sim-ReSET model for ET estimation driven by only satellite inputs. <i>Hydrological Sciences Journal</i> , 2013, 58, 994-1012.	2.6	11
33	Evaluation of Clear-Sky Incoming Radiation Estimating Equations Typically Used in Remote Sensing Evapotranspiration Algorithms. <i>Remote Sensing</i> , 2013, 5, 4735-4752.	4.0	11
34	Identification of anthropogenic parameters for a regional nitrogen balance model via field investigation of six ecosystems in China. <i>Biogeochemistry</i> , 2009, 94, 175-190.	3.5	10
35	Evaluation of the VIâ€”<i>T</i><sub>s</sub> method for estimating the land surface moisture index and air temperature using ASTER and MODIS data in the North China Plain. <i>International Journal of Remote Sensing</i> , 2011, 32, 7257-7278.	2.9	9
36	Biogeochemical forest model for evaluation of ecosystem services (BGC-ES) and its application in the Ise Bay basin. <i>Procedia Environmental Sciences</i> , 2012, 13, 274-287.	1.4	9

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37	Improving herders's income through alpine grassland husbandry on Qinghai-Tibetan Plateau. <i>Land Use Policy</i> , 2022, 113, 105896.	5.6	9
38	Impact of Overgrazing on Semiarid Ecosystem Soil Properties: A Case Study of the Eastern Hovsgol Lake Area, Mongolia. <i>Journal of Ecosystem &amp; Ecography</i> , 2014, 04, .	0.2	8
39	Evaluation of spatio-temporal variations in water availability using a process-based eco-hydrology model in arid and semi-arid regions of Mongolia. <i>Ecological Modelling</i> , 2021, 440, 109404.	2.5	8
40	Investigating internal structure of permafrost using conventional methods and ground-penetrating radar at Honhor basin, Mongolia. <i>Environmental Earth Sciences</i> , 2012, 67, 1869-1876.	2.7	7
41	Characteristics and influencing factors of crop coefficient for drip-irrigated cotton under plastic-mulched condition in arid environment. <i>J Agricultural Meteorology</i> , 2018, 74, 1-8.	1.5	7
42	Monitoring and simulation of water, heat, and CO2 fluxes in terrestrial ecosystems based on the APEIS-FLUX system. <i>Journal of Chinese Geography</i> , 2005, 15, 131-141.	3.9	6
43	Recent trends of nitrogen flow of typical agro-ecosystems in China-major problems and potential solutions. <i>Journal of the Science of Food and Agriculture</i> , 2012, 92, 1046-1053.	3.5	6
44	Evaluation of Empirical Remote Sensing-Based Equations for Estimating Soil Heat Flux. <i>Journal of the Meteorological Society of Japan</i> , 2013, 91, 627-638.	1.8	6
45	Regional hydrological effects of grassland degradation in the Loess Plateau of China. <i>Hydrological Processes</i> , 1998, 12, 2279-2288.	2.6	4
46	Spatial Distribution and Factors Influencing the Floating Population in China. <i>Geographical Review of Japan</i> , 2005, 78, 586-600.	0.1	3
47	Sensitivity analysis and parameter estimation of anthropogenic water uses for quantifying relation between groundwater overuse and water stress in Mongolia. <i>Ecohydrology and Hydrobiology</i> , 2021, 21, 490-490.	2.3	2
48	Changes in Grain Production in China since 1949 and Major Reasons. <i>Chirigaku Hyoron</i> , 1999, 72, 589-599.	0.0	1
49	Seasonal Variation of the Land-Surface Water Deficit Index (WDI) Over the Loess Plateau, China. <i>J Agricultural Meteorology</i> , 1997, 52, 661-664.	1.5	0
50	A Simple Remote Sensing EvapoTranspiration Model (Sim-ReSET) and its Application. , 2011, , .		0
51	Evaluation of the Influence of Anthropogenic Disturbances on Pasture Grazing Capacity and Its Vulnerability in Arid and Semi-Arid Regions. , 0, , .		0