Qifei Zhang

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/6538182/publications.pdf

Version: 2024-02-01

217 papers	7,831 citations	43973 48 h-index	76769 74 g-index
222 all docs	222 docs citations	222 times ranked	5037 citing authors

#	Article	IF	Citations
1	Water use efficiency data from 2000 to 2019 in measuring progress towards SDGs in Central Asia. Big Earth Data, 2022, 6, 90-102.	2.0	8
2	Risk assessment of water resource shortages in the Aksu River basin of northwest China under climate change. Journal of Environmental Management, 2022, 305, 114394.	3.8	19
3	Response of Precipitation in Tianshan to Global Climate Change Based on the Berkeley Earth and ERA5 Reanalysis Products. Remote Sensing, 2022, 14, 519.	1.8	12
4	Discussion of an environmental depletion assessment methodâ€“A case study in Xinjiang, China. PLoS ONE, 2022, 17, e0262092.	1.1	2
5	Effects of climate change on major elements of the hydrological cycle in Aksu River basin, northwest China. International Journal of Climatology, 2022, 42, 5359-5372.	1.5	5
6	Recent climate and hydrological changes in a mountainâ€“basin system in Xinjiang, China. Earth-Science Reviews, 2022, 226, 103957.	4.0	107
7	Research on Vegetation Coverage Dynamics and Prediction in the Taitema Lake Region. Water (Switzerland), 2022, 14, 725.	1.2	2
8	Identifying water vapor sources of precipitation in forest and grassland in the north slope of the Tianshan Mountains, Central Asia. Journal of Arid Land, 2022, 14, 297-309.	0.9	4
9	Recent Oasis Dynamics and Ecological Security in the Tarim River Basin, Central Asia. Sustainability, 2022, 14, 3372.	1.6	15
10	Increasing terrestrial ecosystem carbon release in response to autumn cooling and warming. Nature Climate Change, 2022, 12, 380-385.	8.1	24
11	Impact of Climate Change on the Hydrological Regime of the Yarkant River Basin, China: An Assessment Using Three SSP Scenarios of CMIP6 GCMs. Remote Sensing, 2022, 14, 115.	1.8	25
12	Changes in temporal inequality of precipitation extremes over China due to anthropogenic forcings. Npj Climate and Atmospheric Science, 2022, 5, .	2.6	43
13	Ecological Impacts of Land Use Change in the Arid Tarim River Basin of China. Remote Sensing, 2022, 14, 1894.	1.8	27
14	Research Advances in Plant Physiology and Ecology of Desert Riparian Forests under Drought Stress. Forests, 2022, 13, 619.	0.9	14
15	Groundwater dynamic influenced by intense anthropogenic activities in a dried-up river oasis of Central Asia. Hydrology Research, 2022, 53, 532-546.	1.1	7
16	Simulating the climate driven runoff in data-scarce mountains by machine learning and downscaling reanalysis data. Stochastic Environmental Research and Risk Assessment, 2022, 36, 3819-3834.	1.9	2
17	Characteristics of Plant Community and Its Relationship with Groundwater Depth of the Desert Riparian Zone in the Lower Reaches of the Ugan River, Northwest China. Water (Switzerland), 2022, 14, 1663.	1.2	3
18	Water Deficit May Cause Vegetation Browning in Central Asia. Remote Sensing, 2022, 14, 2574.	1.8	7

#	Article	IF	Citations
19	Recent Changes in Glaciers in the Northern Tien Shan, Central Asia. Remote Sensing, 2022, 14, 2878.	1.8	8
20	Evolution characteristics of groundwater and its response to climate and land-cover changes in the oasis of dried-up river in Tarim Basin. Journal of Hydrology, 2021, 594, 125644.	2.3	33
21	Intensification of extreme precipitation in arid Central Asia. Journal of Hydrology, 2021, 598, 125760.	2.3	77
22	Historic and Simulated Desert-Oasis Ecotone Changes in the Arid Tarim River Basin, China. Remote Sensing, 2021, 13, 647.	1.8	29
23	Geospatial land surface-based thermal scenarios for wetland ecological risk assessment and its landscape dynamics simulation in Bayanbulak Wetland, Northwestern China. Landscape Ecology, 2021, 36, 1699-1723.	1.9	17
24	Quantifying the Relative Contribution of Climate Change and Anthropogenic Activities on Runoff Variations in the Central Part of Tajikistan in Central Asia. Land, 2021, 10, 525.	1.2	8
25	Adaptability of machine learning methods and hydrological models to discharge simulations in data-sparse glaciated watersheds. Journal of Arid Land, 2021, 13, 549-567.	0.9	18
26	Exploring annual lake dynamics in Xinjiang (China): spatiotemporal features and driving climate factors from 2000 to 2019. Climatic Change, 2021, 166, 1.	1.7	16
27	The potential benefits of dietary shift in China: Synergies among acceptability, health, and environmental sustainability. Science of the Total Environment, 2021, 779, 146497.	3.9	18
28	Rapidly declining surface and terrestrial water resources in Central Asia driven by socio-economic and climatic changes. Science of the Total Environment, 2021, 784, 147193.	3.9	71
29	Modeling the Near-Surface Energies and Water Vapor Fluxes Behavior in Response to Summer Canopy Density across Yanqi Endorheic Basin, Northwestern China. Remote Sensing, 2021, 13, 3764.	1.8	0
30	Continuous warming shift greening towards browning in the Southeast and Northwest High Mountain Asia. Scientific Reports, 2021, 11, 17920.	1.6	16
31	The effects of ecological rehabilitation projects on the resilience of an extremely drought-prone desert riparian forest ecosystem in the Tarim River Basin, Xinjiang, China. Scientific Reports, 2021, 11, 18485.	1.6	20
32	Modeling streamflow driven by climate change in data-scarce mountainous basins. Science of the Total Environment, 2021, 790, 148256.	3.9	14
33	Hydrochemical characteristics and evolution of groundwater in the dried-up river oasis of the Tarim Basin, Central Asia. Journal of Arid Land, 2021, 13, 977-994.	0.9	6
34	Higher Sensitivity of Planted Forests' Productivity Than Natural Forests to Droughts in China. Journal of Geophysical Research G: Biogeosciences, 2021, 126, e2021JG006306.	1.3	5
35	Projected Meteorological Drought over Asian Drylands under Different CMIP6 Scenarios. Remote Sensing, 2021, 13, 4409.	1.8	20
36	Driving Forces of the Changes in Vegetation Phenology in the Qinghaiâ€“Tibet Plateau. Remote Sensing, 2021, 13, 4952.	1.8	25

#	Article	IF	Citations
37	Stable isotopes of atmospheric precipitation and its environmental drivers in the Eastern Chinese Loess Plateau, China. Journal of Hydrology, 2020, 581, 124404.	2.3	35
38	Effect of subâ€cloud evaporation on precipitation in the Tianshan Mountains (Central Asia) under the influence of global warming. Hydrological Processes, 2020, 34, 5557-5566.	1.1	18
39	Spatial patterns of vegetation carbon sinks and sources under water constraint in Central Asia. Journal of Hydrology, 2020, 590, 125355.	2.3	33
40	Monitoring and Predicting Drought Based on Multiple Indicators in an Arid Area, China. Remote Sensing, 2020, 12, 2298.	1.8	12
41	Hydrological Drought Risk Assessment Using a Multidimensional Copula Function Approach in Arid Inland Basins, China. Water (Switzerland), 2020, 12, 1888.	1.2	16
42	Simulating the precipitation in the data-scarce Tianshan Mountains, Northwest China based on the Earth system data products. Arabian Journal of Geosciences, 2020, 13, 1.	0.6	13
43	Applicability Evaluation of Multisource Satellite Precipitation Data for Hydrological Research in Arid Mountainous Areas. Remote Sensing, 2020, 12, 2886.	1.8	16
44	Recent fall Eurasian cooling linked to North Pacific sea surface temperatures and a strengthening Siberian high. Nature Communications, 2020, 11, 5202.	5.8	22
45	Recent Changes in Water Discharge in Snow and Glacier Melt-Dominated Rivers in the Tienshan Mountains, Central Asia. Remote Sensing, 2020, 12, 2704.	1.8	24
46	How to Sustainably Use Water Resourcesâ€"A Case Study for Decision Support on the Water Utilization of Xinjiang, China. Water (Switzerland), 2020, 12, 3564.	1.2	15
47	Spatial patterns of vegetation carbon sinks and sources dataset in Central Asia. Data in Brief, 2020, 32, 106200.	0.5	3
48	Research on Population Development in Ethnic Minority Areas in the Context of Chinaâ€™s Population Strategy Adjustment. Sustainability, 2020, 12, 8021.	1.6	3
49	Has the Bosten Lake Basin been dry or wet during the climate transition in Northwest China in the past 30Âyears?. Theoretical and Applied Climatology, 2020, 141, 627-644.	1.3	15
50	Quantifying the impact of mountain precipitation on runoff in Hotan River, northwestern China. Frontiers of Earth Science, 2020, 14, 568-577.	0.9	4
51	Declining snowfall fraction in the alpine regions, Central Asia. Scientific Reports, 2020, 10, 3476.	1.6	22
52	Quantifying the effects of climate variability, direct and indirect land use change, and human activities on runoff. Journal of Hydrology, 2020, 584, 124684.	2.3	52
53	Drought Risk Assessment in Central Asia Using a Probabilistic Copula Function Approach. Water (Switzerland), 2020, 12, 421.	1.2	14
54	Diet shift: Considering environment, health and food culture. Science of the Total Environment, 2020, 719, 137484.	3.9	45

#	ARTICLE	IF	CITATIONS
55	Climatic and associated atmospheric water cycle changes over the Xinjiang, China. Journal of Hydrology, 2020, 585, 124823.	2.3	64
56	Tree rings: A key ecological indicator for reconstruction of groundwater depth in the lower Tarim River, Northwest China. Ecohydrology, 2019, 12, e2142.	1.1	11
57	Low-carbon economic development in Central Asia based on LMDI decomposition and comparative decoupling analyses. Journal of Arid Land, 2019, 11, 513-524.	0.9	23
58	Effects of land use and cover change on surface wind speed in China. Journal of Arid Land, 2019, 11, 345-356.	0.9	13
59	Spatial variations and controlling factors of ground ice isotopes in permafrost areas of the central Qinghai-Tibet Plateau. Science of the Total Environment, 2019, 688, 542-554.	3.9	12
60	Quantitative assessment of the ecological effects of land use/cover change in the arid region of Northwest China. Environmental Monitoring and Assessment, 2019, 191, 704.	1.3	11
61	Water transport and water use efficiency differ among Populus euphratica Oliv. saplings exposed to saline water irrigation. Journal of Arid Land, 2019, 11, 866-879.	0.9	1
62	Downscaling Precipitation in the Data-Scarce Inland River Basin of Northwest China Based on Earth System Data Products. Atmosphere, 2019, 10, 613.	1.0	17
63	Recent Lake Area Changes in Central Asia. Scientific Reports, 2019, 9, 16277.	1.6	35
64	Nonlinear response of runoff to atmospheric freezing level height variation based on hybrid prediction models. Hydrological Sciences Journal, 2019, 64, 1556-1572.	1.2	8
65	Hydro-climatic changes and their impacts on vegetation in Xinjiang, Central Asia. Science of the Total Environment, 2019, 660, 724-732.	3.9	64
66	Identification of the Space-Time Variability of Hydrological Drought in the Arid Region of Northwestern China. Water (Switzerland), 2019, 11, 1051.	1.2	9
67	An approach to simulate the climate-driven streamflow in the data-scarce mountain basins of Northwest China. Journal of Earth System Science, 2019, 128, 1.	0.6	12
68	Multi-Objective Calibration of a Distributed Hydrological Model in a Highly Glacierized Watershed in Central Asia. Water (Switzerland), 2019, 11, 554.	1.2	10
69	Estimation of annual average soil loss using the Revised Universal Soil Loss Equation (RUSLE) integrated in a Geographical Information System (GIS) of the Esil River basin (ERB), Kazakhstan. Acta Geophysica, 2019, 67, 921-938.	1.0	23
70	Stable isotope variations in precipitation in the northwesternmost Tibetan Plateau related to various meteorological controlling factors. Atmospheric Research, 2019, 227, 66-78.	1.8	25
71	Loss of terrestrial water storage in the Tianshan mountains from 2003 to 2015. International Journal of Remote Sensing, 2019, 40, 8342-8358.	1.3	20
72	Assessment of candidate distributions for SPI/SPEI and sensitivity of drought to climatic variables in China. International Journal of Climatology, 2019, 39, 4392-4412.	1.5	64

#	Article	IF	Citations
73	The Relationship between NDVI and Climate Factors at Different Monthly Time Scales: A Case Study of Grasslands in Inner Mongolia, China (1982â€“2015). Sustainability, 2019, 11, 7243.	1.6	58
74	Hydrological and water cycle processes of inland river basins in the arid region of Northwest China. Journal of Arid Land, 2019, 11, 161-179.	0.9	49
75	Multi-scale assessments of droughts: A case study in Xinjiang, China. Science of the Total Environment, 2018, 630, 444-452.	3.9	131
76	Why does the runoff in Hotan River show a slight decreased trend in northwestern China?. Atmospheric Science Letters, 2018, 19, e800.	0.8	15
77	Response of vegetation NDVI to climatic extremes in the arid region of Central Asia: a case study in Xinjiang, China. Theoretical and Applied Climatology, 2018, 131, 1503-1515.	1.3	67
78	Quantitative evaluation of the rainfall influence on streamflow in an inland mountainous river basin within Central Asia. Hydrological Sciences Journal, 2018, 63, 17-30.	1.2	13
79	Spatioâ€temporal variations of nonlinear trends of precipitation over an arid region of northwest China according to the extremeâ€point symmetric mode decomposition method. International Journal of Climatology, 2018, 38, 2239-2249.	1.5	25
80	A hybrid model to assess the impact of climate variability on streamflow for an ungauged mountainous basin. Climate Dynamics, 2018, 50, 2829-2844.	1.7	31
81	Recent recovery of surface wind speed in northwest China. International Journal of Climatology, 2018, 38, 4445-4458.	1.5	49
82	Understanding the spatial differences in terrestrial water storage variations in the Tibetan Plateau from 2002 to 2016. Climatic Change, 2018, 151, 379-393.	1.7	43
83	Land-use/cover conversion affects soil organic-carbon stocks: A case study along the main channel of the Tarim River, China. PLoS ONE, 2018, 13, e0206903.	1.1	11
84	Estimation of net primary productivity and its driving factors in the Ili River Valley, China. Journal of Arid Land, 2018, 10, 781-793.	0.9	25
85	Regional disparities in warm season rainfall changes over arid easternâ€“central Asia. Scientific Reports, 2018, 8, 13051.	1.6	14
86	Detecting the Causal Effect of Soil Moisture on Precipitation Using Convergent Cross Mapping. Scientific Reports, 2018, 8, 12171.	1.6	50
87	How Hydrologic Processes Differ Spatially in a Large Basin: Multisite and Multiobjective Modeling in the Tarim River Basin. Journal of Geophysical Research D: Atmospheres, 2018, 123, 7098-7113.	1.2	36
88	The Spatiotemporal Response of Soil Moisture to Precipitation and Temperature Changes in an Arid Region, China. Remote Sensing, 2018, 10, 468.	1.8	47
89	The Temporal and Spatial Variations in Lake Surface Areas in Xinjiang, China. Water (Switzerland), 2018, 10, 431.	1.2	11
90	Topography-Related Glacier Area Changes in Central Tianshan from 1989 to 2015 Derived from Landsat Images and ASTER GDEM Data. Water (Switzerland), 2018, 10, 555.	1.2	4

#	Article	IF	Citations
91	Spatiotemporal variation of upper-air and surface wind speed and its influencing factors in northwestern China during 1980â€“2012. Theoretical and Applied Climatology, 2018, 133, 1303-1314.	1.3	11
92	Large Hydrological Processes Changes in the Transboundary Rivers of Central Asia. Journal of Geophysical Research D: Atmospheres, 2018, 123, 5059-5069.	1.2	76
93	Hydroclimatic changes of Lake Bosten in Northwest China during the last decades. Scientific Reports, 2018, 8, 9118.	1.6	35
94	Identification of long-term trends and seasonality in high-frequency water quality data from the Yangtze River basin, China. PLoS ONE, 2018, 13, e0188889.	1.1	62
95	Suitable oasis scales under a government plan in the Kaidu-Konqi River Basin of northwest arid region, China. PeerJ, 2018, 6, e4943.	0.9	4
96	Multiscale evolution of surface air temperature in the arid region of Northwest China and its linkages to ocean oscillations. Theoretical and Applied Climatology, 2017, 128, 945-958.	1.3	20
97	Reconstruction and analysis of the past five centuries of streamflow on northern slopes on Tianshan Mountains in Northern Xinjiang, China. Theoretical and Applied Climatology, 2017, 129, 177-184.	1.3	3
98	Experimental study on water transport observations of desert riparian forests in the lower reaches of the Tarim River in China. International Journal of Biometeorology, 2017, 61, 1055-1062.	1.3	21
99	Comparison of three drought indices and their evolutionary characteristics in the arid region of northwestern China. Atmospheric Science Letters, 2017, 18, 132-139.	0.8	44
100	Vegetation responses to an ecological water conveyance project in the lower reaches of the Heihe River basin. Ecohydrology, 2017, 10, e1866.	1.1	21
101	Changes of snowfall under warming in the Tibetan Plateau. Journal of Geophysical Research D: Atmospheres, 2017, 122, 7323-7341.	1.2	105
102	Influences of forest on MODIS snow cover mapping and snow variations in the Amur River basin in Northeast Asia during 2000â€“2014. Hydrological Processes, 2017, 31, 3225-3241.	1.1	15
103	Quantifying the effects of LUCCs on local temperatures, precipitation, and wind using the WRF model. Environmental Monitoring and Assessment, 2017, 189, 501.	1.3	7
104	Multivariate assessment and attribution of droughts in Central Asia. Scientific Reports, 2017, 7, 1316.	1.6	122
105	Spatial variability of soil carbon to nitrogen ratio and its driving factors in Ili River valley, Xinjiang, Northwest China. Chinese Geographical Science, 2017, 27, 529-538.	1.2	13
106	Climate change in the Tianshan and northern Kunlun Mountains based on GCM simulation ensemble with Bayesian model averaging. Journal of Arid Land, 2017, 9, 622-634.	0.9	17
107	Influences of recent climate change and human activities on water storage variations in Central Asia. Journal of Hydrology, 2017, 544, 46-57.	2.3	197
108	Climate change and runoff response based on isotope analysis in an arid mountain watershed of the western Kunlun Mountains. Hydrological Sciences Journal, 2017, 62, 319-330.	1.2	7

#	Article	IF	Citations
109	Analysis of water level variation of lakes and reservoirs in Xinjiang, China using ICESat laser altimetry data (2003â€“2009). PLoS ONE, 2017, 12, e0183800.	1.1	29
110	Large Differences between Glaciers 3D Surface Extents and 2D Planar Areas in Central Tianshan. Water (Switzerland), 2017, 9, 282.	1.2	6
111	Have GRACE satellites overestimated groundwater depletion in the Northwest India Aquifer?. Scientific Reports, 2016, 6, 24398.	1.6	202
112	Changes in Central Asiaâ€™s Water Tower: Past, Present and Future. Scientific Reports, 2016, 6, 35458.	1.6	195
113	Water and ecological security: dealing with hydroclimatic challenges at the heart of Chinaâ€™s Silk Road. Environmental Earth Sciences, 2016, 75, 1.	1.3	57
114	Glacier change in the Karatal river basin, Zhetysu (Dzhungar) Alatau, Kazakhstan. Annals of Glaciology, 2016, 57, 11-19.	2.8	22
115	Comparative study of streamflow components in two inland rivers in the Tianshan Mountains, Northwest China. Environmental Earth Sciences, 2016, 75, 1.	1.3	23
116	Dependence of trends in and sensitivity of drought over China (1961â€“2013) on potential evaporation model. Geophysical Research Letters, 2016, 43, 206-213.	1.5	78
117	The effects of groundwater depth on water uptake of Populus euphratica and Tamarix ramosissima in the hyperarid region of Northwestern China. Environmental Science and Pollution Research, 2016, 23, 17404-17412.	2.7	25
118	Scenario-based runoff prediction for the Kaidu River basin of the Tianshan Mountains, Northwest China. Environmental Earth Sciences, 2016, 75, 1.	1.3	21
119	Drought promoted the disappearance of civilizations along the ancient Silk Road. Environmental Earth Sciences, 2016, 75, 1.	1.3	22
120	Runoff response to the glacier shrinkage in the Karatal river basin, Kazakhstan. Arabian Journal of Geosciences, 2016, 9, 1.	0.6	12
121	Impact of groundwater depth on leaf hydraulic properties and drought vulnerability of Populus euphratica in the Northwest of China. Trees - Structure and Function, 2016, 30, 2029-2039.	0.9	20
122	Quantitatively evaluating the effects of climate factors on runoff change for Aksu River in northwestern China. Theoretical and Applied Climatology, 2016, 123, 97-105.	1.3	22
123	Understanding temporal and spatial complexity of precipitation distribution in Xinjiang, China. Theoretical and Applied Climatology, 2016, 123, 321-333.	1.3	28
124	Why does precipitation in northwest China show a significant increasing trend from 1960 to 2010?. Atmospheric Research, 2016, 167, 275-284.	1.8	196
125	Spatial and temporal characteristics of stable isotopes in the Tarim River Basin. Isotopes in Environmental and Health Studies, 2016, 52, 281-297.	0.5	33
126	Hydrochemical assessment of surface water for irrigation purposes and its influence on soil salinity in Tikanlik oasis, China. Environmental Earth Sciences, 2016, 75, 1.	1.3	29

#	Article	IF	Citations
127	Analysis on the streamflow components of the typical inland river, Northwest China. Hydrological Sciences Journal, 2016, , 1-12.	1.2	11
128	NDVI-based vegetation responses to climate change in an arid area of China. Theoretical and Applied Climatology, 2016, 126, 213-222.	1.3	104
129	Spatial and temporal variability of water vapor pressure in the arid region of northwest China, during 1961â€“2011. Theoretical and Applied Climatology, 2016, 123, 683-691.	1.3	21
130	Potential impacts of climate change on vegetation dynamics in Central Asia. Journal of Geophysical Research D: Atmospheres, 2015, 120, 12345-12356.	1.2	193
131	Use of ²H and ¹⁸O stable isotopes to investigate water sources for different ages of Populus euphratica along the lower Heihe River. Ecological Research, 2015, 30, 581-587.	0.7	36
132	Characteristics in streamflow and extremes in the Tarim River, China: trends, distribution and climate linkage. International Journal of Climatology, 2015, 35, 761-776.	1.5	19
133	Error assessment of grid-based direct solar radiation models. International Journal of Geographical Information Science, 2015, 29, 1782-1806.	2.2	11
134	Contribution of meteorological input in calibrating a distributed hydrologic model in a watershed in the Tianshan Mountains, China. Environmental Earth Sciences, 2015, 74, 2413-2424.	1.3	17
135	Progress and prospects of climate change impacts on hydrology in the arid region of northwest China. Environmental Research, 2015, 139, 11-19.	3.7	216
136	Implications of climate change for water management of an arid inland lake in Northwest China. Lake and Reservoir Management, 2015, 31, 202-213.	0.4	18
137	Desert riparian vegetation and groundwater in the lower reaches of the Tarim River basin. Environmental Earth Sciences, 2015, 73, 547-558.	1.3	64
138	Upper-air temperature change trends above arid region of Northwest China during 1960â€“2009. Theoretical and Applied Climatology, 2015, 120, 239-248.	1.3	7
139	Intra-annual distribution and decadal change in extreme hydrological events in Xinjiang, Northwestern China. Natural Hazards, 2014, 70, 119-133.	1.6	11
140	Hydrological extreme variability in the headwater of Tarim River: links with atmospheric teleconnection and regional climate. Stochastic Environmental Research and Risk Assessment, 2014, 28, 443-453.	1.9	20
141	Evaluating the vegetation growing season changes in the arid region of northwestern China. Theoretical and Applied Climatology, 2014, 118, 569-579.	1.3	20
142	Water use strategies of the desert riparian forest plant community in the lower reaches of Heihe River Basin, China. Science China Earth Sciences, 2014, 57, 1293-1305.	2.3	26
143	Effect of herbivory on the growth and photosynthesis of replanted Calligonum caput-medusae saplings in an infertile arid desert. Plant Ecology, 2014, 215, 155-167.	0.7	18
144	Effects of climate fluctuations on runoff in the headwater region of the Kaidu River in northwestern China. Frontiers of Earth Science, 2014, 8, 309-318.	0.9	18

#	Article	IF	Citations
145	Changes in snow and glacier cover in an arid watershed of the western Kunlun Mountains using multisource remote-sensing data. International Journal of Remote Sensing, 2014, 35, 234-252.	1.3	12
146	Integrating Wavelet Analysis and BPANN to Simulate the Annual Runoff With Regional Climate Change: A Case Study of Yarkand River, Northwest China. Water Resources Management, 2014, 28, 2523-2537.	1.9	36
147	Potential evapotranspiration and its attribution over the past 50â€‰years in the arid region of Northwest China. Hydrological Processes, 2014, 28, 1025-1031.	1.1	55
148	Temporal and spatial variation of water stable isotopes (¹⁸O and²H) in the Kaidu River basin, Northwestern China. Hydrological Processes, 2014, 28, 653-661.	1.1	20
149	Understanding the dynamic coupling between vegetation cover and climatic factors in a semiarid regionâ€”a case study of Inner Mongolia, China. Ecohydrology, 2013, 6, 917-926.	1.1	14
150	Vegetation dynamics and their response to hydroclimatic factors in the Tarim River Basin, China. Ecohydrology, 2013, 6, 927-936.	1.1	40
151	Spatial distribution and temporal trends of mean precipitation and extremes in the arid region, northwest of China, during 1960â€“2010. Hydrological Processes, 2013, 27, 1807-1818.	1.1	124
152	Spatial distribution of the extreme hydrological events in Xinjiang, north-west of China. Natural Hazards, 2013, 67, 483-495.	1.6	13
153	Analysis of changing pan evaporation in the arid region of Northwest China. Water Resources Research, 2013, 49, 2205-2212.	1.7	100
154	Responses of Surface Runoff to Climate Change and Human Activities in the Arid Region of Central Asia: A Case Study in the Tarim River Basin, China. Environmental Management, 2013, 51, 926-938.	1.2	75
155	Groundwater circulation relative to water quality and vegetation in an arid transitional zone linking oasis, desert and river. Science Bulletin, 2013, 58, 3088-3097.	1.7	17
156	Temperature and precipitation changes in different environments in the arid region of northwest China. Theoretical and Applied Climatology, 2013, 112, 589-596.	1.3	111
157	Changes in daily climate extremes in the arid area of northwestern China. Theoretical and Applied Climatology, 2013, 112, 15-28.	1.3	98
158	Quantifying the effects of climate variability and human activities on runoff for Kaidu River Basin in arid region of northwest China. Theoretical and Applied Climatology, 2013, 111, 537-545.	1.3	95
159	Combining BPANN and wavelet analysis to simulate hydro-climatic processesâ€”a case study of the Kaidu River, North-west China. Frontiers of Earth Science, 2013, 7, 227-237.	0.9	21
160	Runoff responses to climate change in arid region of northwestern China during 1960â€“2010. Chinese Geographical Science, 2013, 23, 286-300.	1.2	54
161	Spatial characteristics of surface water and groundwater using water stable isotope in the Tarim River Basin, northwestern China. Ecohydrology, 2013, 6, 1031-1039.	1.1	12
162	The nonlinear hydro-climatic process in the Yarkand River, northwestern China. Stochastic Environmental Research and Risk Assessment, 2013, 27, 389-399.	1.9	24

#	Article	IF	Citations
163	Changes in annual and seasonal temperature extremes in the arid region of China, 1960â€“2010. Natural Hazards, 2013, 65, 1913-1930.	1.6	25
164	Progress, Challenges and Prospects of Eco-Hydrological Studies in the Tarim River Basin of Xinjiang, China. Environmental Management, 2013, 51, 138-153.	1.2	54
165	Evolvement characteristics of population and economic gravity centers in tarim river basin, uygur autonomous region of xinjiang, China. Chinese Geographical Science, 2013, 23, 765-772.	1.2	23
166	Xylem hydraulic conductivity and embolism in riparian plants and their responses to drought stress in desert of Northwest China. Ecohydrology, 2013, 6, 984-993.	1.1	29
167	The arbuscular mycorrhizal symbiotic status of Populus euphratica, a drought resistant tree species from arid lands. Ecohydrology, 2013, 6, 1001-1008.	1.1	6
168	Spatially explicit estimation of domestic water use in the arid region of northwestern China: 1985â€“2009. Hydrological Sciences Journal, 2013, 58, 162-176.	1.2	12
169	Restoration of the lower reaches of the Tarim River in China. Regional Environmental Change, 2013, 13, 1021-1029.	1.4	18
170	Ecohydrology of the inland river basins in the Northwestern Arid Region of China. Ecohydrology, 2013, 6, 905-908.	1.1	5
171	Adaptation strategies of desert riparian forest vegetation in response to drought stress. Ecohydrology, 2013, 6, 956-973.	1.1	17
172	The threshold of soil moisture and salinity influencing the growth of Populus euphratica and Tamarix ramosissima in the extremely arid region. Environmental Earth Sciences, 2012, 66, 2519-2529.	1.3	12
173	Why does the temperature rise faster in the arid region of northwest China?. Journal of Geophysical Research, 2012, 117, .	3.3	132
174	Response of runoff to change of atmospheric 0Â°C level height in summer in arid region of Northwest China. Science China Earth Sciences, 2012, 55, 1533-1544.	2.3	31
175	Community characteristics of wild fruit forests along elevation gradients and the relationships between the wild fruit forests and environments in the Keguqin Mountain region of Iii. Journal of Mountain Science, 2012, 9, 115-126.	0.8	12
176	Statistical analysis of groundwater chemistry of the Tarim River lower reaches, Northwest China. Environmental Earth Sciences, 2012, 65, 1807-1820.	1.3	18
177	Climatic change of inland river basin in an arid area: a case study in northern Xinjiang, China. Theoretical and Applied Climatology, 2012, 107, 143-154.	1.3	15
178	An integrated statistical approach to identify the nonlinear trend of runoff in the Hotan River and its relation with climatic factors. Stochastic Environmental Research and Risk Assessment, 2011, 25, 223-233.	1.9	31
179	Mechanisms and simulation of accelerated shrinkage of continental glaciers: A case study of Urumqi Glacier No. 1 in eastern Tianshan, Central Asia. Journal of Earth Science (Wuhan, China), 2011, 22, 423-430.	1.1	70
180	Prediction of water table depths under soil water-groundwater interaction and stream water conveyance. Science China Earth Sciences, 2011, 54, 420-430.	2.3	12

#	Article	IF	Citations
181	The Nonlinear trend of runoff and its response to climate change in the Aksu River, western China. International Journal of Climatology, 2011, 31, 687-695.	1.5	83
182	Global perspective on hydrology, water balance, and water resources management in arid basins. Hydrological Processes, 2010, 24, 129-135.	1.1	66
183	Effects of ecological water conveyance on groundwater dynamics and riparian vegetation in the lower reaches of Tarim River, China. Hydrological Processes, 2010, 24, 170-177.	1.1	82
184	Diminished groundwater recharge and circulation relative to degrading riparian vegetation in the middle Tarim River, Xinjiang Uygur, Western China. Hydrological Processes, 2010, 24, 147-159.	1.1	31
185	Ecoâ€hydrology and sustainable development in the arid regions of China. Hydrological Processes, 2010, 24, 127-128.	1.1	17
186	Analysis on the change of water potential of Populus euphratica Oliv. and P. Russkii Jabl under different irrigation volumes in temperate desert zone. Science Bulletin, 2010, 55, 965-972.	1.7	5
187	Historical evolution and the effects of ecological management in Tarim Basin, China. Science Bulletin, 2010, 55, 4097-4103.	1.7	4
188	Impacts of climatic change on river runoff in northern Xinjiang of China over last fifty years. Chinese Geographical Science, 2010, 20, 193-201.	1.2	18
189	Patch-level based vegetation change and environmental drivers in Tarim River drainage area of West China. Landscape Ecology, 2010, 25, 1447-1455.	1.9	24
190	Differentiation of Soil Conditions over Low Relief Areas Using Feedback Dynamic Patterns. Soil Science Society of America Journal, 2010, 74, 861-869.	1.2	48
191	Longâ€term change of seasonal snow cover and its effects on river runoff in the Tarim River basin, northwestern China. Hydrological Processes, 2009, 23, 2045-2055.	1.1	42
192	Fuzzy comprehensive evaluation model for water resources carrying capacity in Tarim River Basin, Xinjiang, China. Chinese Geographical Science, 2009, 19, 89-95.	1.2	69
193	Wavelet analysis and nonparametric test for climate change in Tarim River Basin of Xinjiang during 1959â€“2006. Chinese Geographical Science, 2009, 19, 306-313.	1.2	49
194	Assessment of wetland fragmentation in the Tarim River basin, western China. Environmental Geology, 2009, 57, 455-464.	1.2	31
195	Abiotic regulators of soil respiration in desert ecosystems. Environmental Geology, 2009, 57, 1855-1864.	1.2	15
196	Impacts of Climate Change and Human Activities on the Surface Runoff in the Tarim River Basin over the Last Fifty Years. Water Resources Management, 2008, 22, 1159-1171.	1.9	169
197	Response of groundwater chemistry to water deliveries in the lower reaches of Tarim River, Northwest China. Environmental Geology, 2008, 53, 1365-1373.	1.2	18
198	Long-term trend and fractal of annual runoff process in mainstream of Tarim River. Chinese Geographical Science, 2008, 18, 77-84.	1.2	35

#	Article	IF	Citations
199	Climate change and its effects on runoff of Kaidu River, Xinjiang, China: A multiple time-scale analysis. Chinese Geographical Science, 2008, 18, 331-339.	1.2	66
200	Response of riparian vegetation to water-table changes in the lower reaches of Tarim River, Xinjiang Uygur, China. Hydrogeology Journal, 2008, 16, 1371-1379.	0.9	73
201	Periodic changes of stream flow in the last 40 years in Tarim River Basin, Xinjiang, China. Hydrological Processes, 2008, 22, 4214-4221.	1.1	21
202	Seasonal variation of soil respiration under different land use/land cover in arid region. Science in China Series D: Earth Sciences, 2007, 50, 76-85.	0.9	4
203	Responses of streamflow to climate change in the northern slope of Tianshan Mountains in Xinjiang: A case study of the Toutun River basin. Science in China Series D: Earth Sciences, 2007, 50, 42-48.	0.9	11
204	Physiological response of riparian plants to watering in hyper-arid areas of Tarim River, China. Frontiers of Biology in China: Selected Publications From Chinese Universities, 2007, 2, 54-61.	0.2	10
205	Physiological response of Tamarix ramosissima under water stress along the lower reaches of Tarim River. Science Bulletin, 2006, 51, 1123-1129.	1.7	7
206	Rational groundwater table indicated by the eco-physiological parameters of the vegetation: A case study of ecological restoration in the lower reaches of the Tarim River. Science Bulletin, 2006, 51, 8-15.	1.7	37
207	Climate change and hydrologic process response in the Tarim River Basin over the past 50 years. Science Bulletin, 2006, 51, 25-36.	1.7	51
208	Analysis on water potential of Populus euphratica oliv and its meaning in the lower reaches of Tarim River, Xinjiang. Science Bulletin, 2006, 51, 221-228.	1.7	18
209	Physio-ecological response of Haloxylon persicum photosynthetic shoots to drought stress. Frontiers of Forestry in China: Selected Publications From Chinese Universities, 2006, 1, 176-181.	0.2	2
210	Regional climate change and its effects on river runoff in the Tarim Basin, China. Hydrological Processes, 2006, 20, 2207-2216.	1.1	231
211	Plausible impact of global climate change on water resources in the Tarim River Basin. Science in China Series D: Earth Sciences, 2005, 48, 65-73.	0.9	112
212	Analysis on the ecological benefits of the stream water conveyance to the dried-up river of the lower reaches of Tarim River, China. Science in China Series D: Earth Sciences, 2004, 47, 1053-1064.	0.9	64
213	Physiological response of natural plants to the change of groundwater level in the lower reaches of Tarim River, Xinjiang*. Progress in Natural Science: Materials International, 2004, 14, 975-983.	1.8	38
214	Response of the accumulation of proline in the bodies ofPopulus euphratica to the change of groundwater level at the lower reaches of Tarim River. Science Bulletin, 2003, 48, 1995-1999.	1.7	7
215	Environmental hazards in Xinjiang Line of New Eurasian Continental Bridge. Science in China Series D: Earth Sciences, 2002, 45, 35-40.	0.9	5
216	Study on the model for predicting soil erosion and its application in arid area. Chinese Geographical Science, 1999, 9, 373-376.	1.2	3

#	Article	IF	Citations
217	Error assessment of grid-based diffuse solar radiation models. International Journal of Geographical Information Science, 0, , 1-18.	2.2	2