

Gonghuan Fang

List of Publications by Year in descending order

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Version: 2024-02-01

38
papers

1,487
citations

361296

20
h-index

360920

35
g-index

40
all docs

40
docs citations

40
times ranked

1222
citing authors

#	ARTICLE	IF	CITATIONS
1	Water use efficiency data from 2000 to 2019 in measuring progress towards SDGs in Central Asia. <i>Big Earth Data</i> , 2022, 6, 90-102.	2.0	8
2	Observed changes in extreme precipitation over the Tianshan Mountains and associated large-scale climate teleconnections. <i>Journal of Hydrology</i> , 2022, 606, 127457.	2.3	19
3	Changes in temporal inequality of precipitation extremes over China due to anthropogenic forcings. <i>Npj Climate and Atmospheric Science</i> , 2022, 5, .	2.6	43
4	Comprehensive evaluation of the water-energy-food nexus in the agricultural management of the Tarim River Basin, Northwest China. <i>Agricultural Water Management</i> , 2022, 271, 107811.	2.4	13
5	Developing a Long Short-Term Memory (LSTM)-Based Model for Reconstructing Terrestrial Water Storage Variations from 1982 to 2016 in the Tarim River Basin, Northwest China. <i>Remote Sensing</i> , 2021, 13, 889.	1.8	21
6	Adaptability of machine learning methods and hydrological models to discharge simulations in data-sparse glaciated watersheds. <i>Journal of Arid Land</i> , 2021, 13, 549-567.	0.9	18
7	Water resources management and dynamic changes in water politics in the transboundary river basins of Central Asia. <i>Hydrology and Earth System Sciences</i> , 2021, 25, 3281-3299.	1.9	18
8	Modeling the Near-Surface Energies and Water Vapor Fluxes Behavior in Response to Summer Canopy Density across Yanqi Endorheic Basin, Northwestern China. <i>Remote Sensing</i> , 2021, 13, 3764.	1.8	0
9	Climate change may accelerate the decline of desert riparian forest in the lower Tarim River, Northwestern China: Evidence from tree-rings of <i>Populus euphratica</i> . <i>Ecological Indicators</i> , 2020, 111, 105997.	2.6	40
10	The impact of climate change and human activities on the Aral Sea Basin over the past 50 years. <i>Atmospheric Research</i> , 2020, 245, 105125.	1.8	62
11	Potential risks and challenges of climate change in the arid region of northwestern China. <i>Regional Sustainability</i> , 2020, 1, 20-30.	1.1	29
12	Recent Changes in Water Discharge in Snow and Glacier Melt-Dominated Rivers in the Tianshan Mountains, Central Asia. <i>Remote Sensing</i> , 2020, 12, 2704.	1.8	24
13	Development and utilization of water resources and assessment of water security in Central Asia. <i>Agricultural Water Management</i> , 2020, 240, 106297.	2.4	46
14	Agricultural water demands in Central Asia under 1.5°C and 2.0°C global warming. <i>Agricultural Water Management</i> , 2020, 231, 106020.	2.4	55
15	Tree rings: A key ecological indicator for reconstruction of groundwater depth in the lower Tarim River, Northwest China. <i>Ecohydrology</i> , 2019, 12, e2142.	1.1	11
16	Study on the utilization efficiency of land and water resources in the Aral Sea Basin, Central Asia. <i>Sustainable Cities and Society</i> , 2019, 51, 101693.	5.1	21
17	Assessment of the Irrigation Water Requirement and Water Supply Risk in the Tarim River Basin, Northwest China. <i>Sustainability</i> , 2019, 11, 4941.	1.6	32
18	Multi-Objective Calibration of a Distributed Hydrological Model in a Highly Glacierized Watershed in Central Asia. <i>Water (Switzerland)</i> , 2019, 11, 554.	1.2	10

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19	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. <i>Acta Geophysica</i> , 2019, 67, 921-938.	1.0	23
20	Hydrological and water cycle processes of inland river basins in the arid region of Northwest China. <i>Journal of Arid Land</i> , 2019, 11, 161-179.	0.9	49
21	Water and Ecological Security at the Heart of China's Silk Road Economic Belt. , 2019, , 281-306.		1
22	Impact of GCM structure uncertainty on hydrological processes in an arid area of China. <i>Hydrology Research</i> , 2018, 49, 893-907.	1.1	27
23	Recent recovery of surface wind speed in northwest China. <i>International Journal of Climatology</i> , 2018, 38, 4445-4458.	1.5	49
24	Variation in agricultural water demand and its attributions in the arid Tarim River Basin. <i>Journal of Agricultural Science</i> , 2018, 156, 301-311.	0.6	28
25	How Hydrologic Processes Differ Spatially in a Large Basin: Multisite and Multiobjective Modeling in the Tarim River Basin. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 7098-7113.	1.2	36
26	The Uncertainty of Penman-Monteith Method and the Energy Balance Closure Problem. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 7433-7443.	1.2	9
27	The Temporal and Spatial Variations in Lake Surface Areas in Xinjiang, China. <i>Water (Switzerland)</i> , 2018, 10, 431.	1.2	11
28	Large Hydrological Processes Changes in the Transboundary Rivers of Central Asia. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 5059-5069.	1.2	76
29	Multivariate assessment and attribution of droughts in Central Asia. <i>Scientific Reports</i> , 2017, 7, 1316.	1.6	122
30	Climate change in the Tianshan and northern Kunlun Mountains based on GCM simulation ensemble with Bayesian model averaging. <i>Journal of Arid Land</i> , 2017, 9, 622-634.	0.9	17
31	Review article: Hydrological modeling in glacierized catchments of central Asia – status and challenges. <i>Hydrology and Earth System Sciences</i> , 2017, 21, 669-684.	1.9	62
32	Dynamic changes in terrestrial net primary production and their effects on evapotranspiration. <i>Hydrology and Earth System Sciences</i> , 2016, 20, 2169-2178.	1.9	43
33	Changes in Central Asia's Water Tower: Past, Present and Future. <i>Scientific Reports</i> , 2016, 6, 35458.	1.6	195
34	Scenario-based runoff prediction for the Kaidu River basin of the Tianshan Mountains, Northwest China. <i>Environmental Earth Sciences</i> , 2016, 75, 1.	1.3	21
35	Potential impacts of climate change on vegetation dynamics in Central Asia. <i>Journal of Geophysical Research D: Atmospheres</i> , 2015, 120, 12345-12356.	1.2	193
36	Use of ² H and ¹⁸ O stable isotopes to investigate water sources for different ages of <i>Populus euphratica</i> along the lower Heihe River. <i>Ecological Research</i> , 2015, 30, 581-587.	0.7	36

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37	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
38	Quantifying the magnitude of the impact of human activities on runoff consumption in the midstream of Shiyang River, China. , 2012, , .		0