

Guangxin Zhang

List of Publications by Year in descending order

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Version: 2024-02-01

51
papers

1,404
citations

394286

19
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345118

36
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docs citations

51
times ranked

1564
citing authors

#	ARTICLE	IF	CITATIONS
1	Projection of future hydrometeorological extremes and wetland flood mitigation services with different global warming levels: A case study in the Nenjiang river basin. <i>Ecological Indicators</i> , 2022, 140, 108987.	2.6	12
2	Integrating the JRC Monthly Water History Dataset and Geostatistical Analysis Approach to Quantify Surface Hydrological Connectivity Dynamics in an Ungauged Multi-Lake System. <i>Water (Switzerland)</i> , 2021, 13, 497.	1.2	4
3	Spatiotemporal dynamics of succession and growth limitation of phytoplankton for nutrients and light in a large shallow lake. <i>Water Research</i> , 2021, 194, 116910.	5.3	44
4	Alteration of flood pulses by damming the Nenjiang River, China – Implication for the need to identify a hydrograph-based inundation threshold for protecting floodplain wetlands. <i>Ecological Indicators</i> , 2021, 124, 107406.	2.6	16
5	Assessment of extrinsic and intrinsic influences on water quality variation in subtropical agricultural multipond systems. <i>Environmental Pollution</i> , 2021, 276, 116689.	3.7	8
6	FeS ₂ nanoparticles decorated carbonized <i>Luffa cylindrica</i> as biofilm substrates for fabricating high performance biosensors. <i>Talanta</i> , 2021, 232, 122416.	2.9	1
7	River Damming Reduces Wetland Function in Regulating Flow. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2021, 147, .	1.3	6
8	Construction of Bi ₂ MoO ₆ /g-C ₃ N ₄ heterostructures with enhanced visible light photocatalytic performance. <i>New Journal of Chemistry</i> , 2021, 45, 20402-20409.	1.4	9
9	Efficient removal of formaldehyde by diatomite decorated with BiOCl/TiO ₂ under visible-light irradiation: Effects of key preparation parameters. <i>Advanced Powder Technology</i> , 2021, 32, 4364-4372.	2.0	10
10	Quantitative assessment on basin-scale hydrological services of wetlands. <i>Science China Earth Sciences</i> , 2020, 63, 279-291.	2.3	8
11	Quantifying streamflow regulation services of wetlands with an emphasis on quickflow and baseflow responses in the Upper Nenjiang River Basin, Northeast China. <i>Journal of Hydrology</i> , 2020, 583, 124565.	2.3	14
12	Assessment of water quality of best water management practices in lake adjacent to the high-latitude agricultural areas, China. <i>Environmental Science and Pollution Research</i> , 2020, 27, 3338-3349.	2.7	17
13	Assessment of Surface Hydrological Connectivity in an Ungauged Multi-Lake System with a Combined Approach Using Geostatistics and Spaceborne SAR Observations. <i>Water (Switzerland)</i> , 2020, 12, 2780.	1.2	3
14	Does Ecological Water Replenishment Help Prevent a Large Wetland from Further Deterioration? Results from the Zhalong Nature Reserve, China. <i>Remote Sensing</i> , 2020, 12, 3449.	1.8	11
15	Adsorption and photocatalytic degradation performances of TiO ₂ /diatomite composite for volatile organic compounds: Effects of key parameters. <i>Applied Surface Science</i> , 2020, 525, 146633.	3.1	32
16	Human Activities and Climate Variability Affecting Inland Water Surface Area in a High Latitude River Basin. <i>Water (Switzerland)</i> , 2020, 12, 382.	1.2	15
17	On how wetlands can provide flood resilience in a large river basin: A case study in Nenjiang river Basin, China. <i>Journal of Hydrology</i> , 2020, 587, 125012.	2.3	26
18	Integrated adsorption and photocatalytic degradation of VOCs using a TiO ₂ /diatomite composite: effects of relative humidity and reaction atmosphere. <i>Catalysis Science and Technology</i> , 2020, 10, 2378-2388.	2.1	31

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19	Investigating the potential use of Sentinel-1 data for monitoring wetland water level changes in China's Momoge National Nature Reserve. PeerJ, 2020, 8, e8616.	0.9	15
20	Land Use Change Impacts on Hydrology in the Nenjiang River Basin, Northeast China. Forests, 2019, 10, 476.	0.9	17
21	Dam Effects on Downstream Riparian Wetlands: The Nenjiang River, Northeast China. Water (Switzerland), 2019, 11, 2038.	1.2	36
22	Response of Water Resources to Future Climate Change in a High-Latitude River Basin. Sustainability, 2019, 11, 5619.	1.6	4
23	Intensive Livestock Production Causing Antibiotic Pollution in the Yinma River of Northeast China. Water (Switzerland), 2019, 11, 2006.	1.2	10
24	Effects of properties of minerals adsorbents for the adsorption and desorption of volatile organic compounds (VOC). Applied Clay Science, 2019, 173, 88-96.	2.6	56
25	Meteorological Drought Monitoring in Northeastern China Using Multiple Indices. Water (Switzerland), 2019, 11, 72.	1.2	22
26	Assessment of Lake Water Quality and Eutrophication Risk in an Agricultural Irrigation Area: A Case Study of the Chagan Lake in Northeast China. Water (Switzerland), 2019, 11, 2380.	1.2	50
27	Adsorption of volatile organic compounds onto natural porous minerals. Journal of Hazardous Materials, 2019, 364, 317-324.	6.5	136
28	Enhanced photocatalytic activity of TiO ₂ /zeolite composite for abatement of pollutants. Microporous and Mesoporous Materials, 2018, 255, 61-68.	2.2	132
29	Nonlinear Response of Streamflow to Climate Change in High-Latitude Regions: A Case Study in Headwaters of Nenjiang River Basin in China's Far Northeast. Water (Switzerland), 2018, 10, 294.	1.2	12
30	Assessing the Influence of Precipitation on Shallow Groundwater Table Response Using a Combination of Singular Value Decomposition and Cross-Wavelet Approaches. Water (Switzerland), 2018, 10, 598.	1.2	22
31	Synthesis of BiOCl/TiO ₂ heterostructure composites and their enhanced photocatalytic activity. Journal of Environmental Chemical Engineering, 2017, 5, 1196-1204.	3.3	34
32	Synthesis of nano-TiO ₂ /diatomite composite and its photocatalytic degradation of gaseous formaldehyde. Applied Surface Science, 2017, 412, 105-112.	3.1	141
33	Analysis of the Contribution Rate of Climate Change and Anthropogenic Activity to Runoff Variation in Nenjiang Basin, China. Hydrology, 2017, 4, 58.	1.3	4
34	Spatiotemporal Changes of Reference Evapotranspiration in the Highest-Latitude Region of China. Water (Switzerland), 2017, 9, 493.	1.2	14
35	Assessing Climate Change Impacts on Water Resources in the Songhua River Basin. Water (Switzerland), 2016, 8, 420.	1.2	35
36	Groundwater and Surface Water Availability via a Joint Simulation with a Double Control of Water Quantity and Ecologically Ideal Shallow Groundwater Depth: A Case Study on the Sanjiang Plain, Northeast China. Water (Switzerland), 2016, 8, 396.	1.2	6

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37	Assessment of Shallow Groundwater Recharge from Extreme Rainfalls in the Sanjiang Plain, Northeast China. <i>Water (Switzerland)</i> , 2016, 8, 440.	1.2	9
38	The positive impacts of irrigation schedules on rice yield and water consumption: synergies in Jilin Province, Northeast China. <i>International Journal of Agricultural Sustainability</i> , 2016, 14, 1-12.	1.3	14
39	Impacts of the 2013 Extreme Flood in Northeast China on Regional Groundwater Depth and Quality. <i>Water (Switzerland)</i> , 2015, 7, 4575-4592.	1.2	16
40	Defining an Ecologically Ideal Shallow Groundwater Depth for Regional Sustainable Management: Conceptual Development and Case Study on the Sanjiang Plain, Northeast China. <i>Water (Switzerland)</i> , 2015, 7, 3997-4025.	1.2	11
41	Water quantity and quality assessment on a tertiary treatment wetland in a tropical climate. <i>Water Science and Technology</i> , 2015, 71, 511-517.	1.2	2
42	Identifying the regional-scale groundwater-surface water interaction on the Sanjiang Plain, Northeast China. <i>Environmental Science and Pollution Research</i> , 2015, 22, 16951-16961.	2.7	22
43	Separating the Impacts of Climate Variation and Human Activities on Runoff in the Songhua River Basin, Northeast China. <i>Water (Switzerland)</i> , 2014, 6, 3320-3338.	1.2	56
44	Spatiotemporal groundwater recharge estimation for the largest rice production region in Sanjiang Plain, Northeast China. <i>Journal of Water Supply: Research and Technology - AQUA</i> , 2014, 63, 630-641.	0.6	12
45	Spatiotemporal variability of climate and streamflow in the Songhua River Basin, northeast China. <i>Journal of Hydrology</i> , 2014, 514, 53-64.	2.3	102
46	Influence of Irrigation Water Discharge Frequency on Soil Salt Removal and Rice Yield in a Semi-Arid and Saline-Sodic Area. <i>Water (Switzerland)</i> , 2013, 5, 578-592.	1.2	15
47	Simulation and evaluation of the water purification function of Zhalong Wetland based on a combined water quantity-quality model. <i>Science China Technological Sciences</i> , 2012, 55, 1973-1981.	2.0	8
48	Hydrological Responses to Climate Change in Nenjiang River Basin, Northeastern China. <i>Water Resources Management</i> , 2011, 25, 677-689.	1.9	78
49	Study on capillary rise from shallow groundwater and critical water table depth of a saline-sodic soil in western Songnen plain of China. <i>Environmental Earth Sciences</i> , 2011, 64, 2119-2126.	1.3	36
50	Retrieval of total suspended matters using field spectral data in Shitoukoumen Reservoir, Jilin Province, Northeast China. <i>Chinese Geographical Science</i> , 2009, 19, 77-82.	1.2	5
51	Identifying key environmental factors influencing spatial variation of water quality in upper Shitoukoumen Reservoir Basin in Jilin Province, China. <i>Chinese Geographical Science</i> , 2009, 19, 365-374.	1.2	5