

Xiao Yang

List of Publications by Year in descending order

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Version: 2024-02-01

29
papers

875
citations

567281

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29
g-index

37
all docs

37
docs citations

37
times ranked

1011
citing authors

#	ARTICLE	IF	CITATIONS
1	Simple Method to Extract Lake Ice Condition From Landsat Images. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-10.	6.3	4
2	RODEO: An algorithm and Google Earth Engine application for river discharge retrieval from Landsat. Environmental Modelling and Software, 2022, 148, 105254.	4.5	15
3	Mapping Flow-Obstructing Structures on Global Rivers. Water Resources Research, 2022, 58, .	4.2	13
4	Flood Extent Mapping During Hurricane Florence With Repeat-Pass L-Band UAVSAR Images. Water Resources Research, 2022, 58, .	4.2	4
5	The Color of Rivers. Geophysical Research Letters, 2021, 48, .	4.0	57
6	Monitoring Variations in Lake Water Storage with Satellite Imagery and Citizen Science. Water (Switzerland), 2021, 13, 949.	2.7	9
7	National-scale assessment of decadal river migration at critical bridge infrastructure in the Philippines. Science of the Total Environment, 2021, 768, 144460.	8.0	22
8	Remote sensing of lake ice phenology in Alaska. Environmental Research Letters, 2021, 16, 064007.	5.2	4
9	Multi-decadal improvement in US Lake water clarity. Environmental Research Letters, 2021, 16, 055025.	5.2	27
10	Shifting Patterns of Summer Lake Color Phenology in Over 26,000 US Lakes. Water Resources Research, 2021, 57, e2020WR029123.	4.2	17
11	The Surface Water and Ocean Topography (SWOT) Mission River Database (SWORD): A Global River Network for Satellite Data Products. Water Resources Research, 2021, 57, e2021WR030054.	4.2	44
12	The Ecology of River Ice. Journal of Geophysical Research G: Biogeosciences, 2021, 126, e2021JG006275.	3.0	17
13	Global Dam Watch: curated data and tools for management and decision making. Environmental Research: Infrastructure and Sustainability, 2021, 1, 033003.	2.3	7
14	The <sc>AEMON</sc> â€œHacking Limnologyâ€•Workshop Series & Virtual Summit: Incorporating Data Science and Open Science in Aquatic Research. Limnology and Oceanography Bulletin, 2021, 30, 140-143.	0.4	4
15	Recent changes to Arctic river discharge. Nature Communications, 2021, 12, 6917.	12.8	62
16	Functional Lake-to-Channel Connectivity Impacts Lake Ice in the Colville Delta, Alaska. Journal of Geophysical Research F: Earth Surface, 2021, 126, .	2.8	1
17	RivWidthCloud: An Automated Google Earth Engine Algorithm for River Width Extraction From Remotely Sensed Imagery. IEEE Geoscience and Remote Sensing Letters, 2020, 17, 217-221.	3.1	70
18	The past and future of global river ice. Nature, 2020, 577, 69-73.	27.8	109

#	ARTICLE	IF	CITATIONS
19	Artificial lake expansion amplifies mercury pollution from gold mining. <i>Science Advances</i> , 2020, 6, .	10.3	34
20	A Participatory Science Approach to Expanding Instream Infrastructure Inventories. <i>Earth's Future</i> , 2020, 8, e2020EF001558.	6.3	16
21	Integrating Perspectives to Understand Lake Ice Dynamics in a Changing World. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2020, 125, e2020JG005799.	3.0	48
22	Estimating River Sediment Discharge in the Upper Mississippi River Using Landsat Imagery. <i>Remote Sensing</i> , 2020, 12, 2370.	4.0	5
23	Timing of Landsat Overpasses Effectively Captures Flow Conditions of Large Rivers. <i>Remote Sensing</i> , 2020, 12, 1510.	4.0	23
24	How will radar layover impact SWOT measurements of water surface elevation and slope, and estimates of river discharge?. <i>Remote Sensing of Environment</i> , 2020, 247, 111883.	11.0	11
25	AquaSat: A Data Set to Enable Remote Sensing of Water Quality for Inland Waters. <i>Water Resources Research</i> , 2019, 55, 10012-10025.	4.2	78
26	Comparing Discharge Estimates Made via the BAM Algorithm in High-Order Arctic Rivers Derived Solely From Optical CubeSat, Landsat, and Sentinel-2 Data. <i>Water Resources Research</i> , 2019, 55, 7753-7771.	4.2	47
27	Global Relationships Between River Width, Slope, Catchment Area, Meander Wavelength, Sinuosity, and Discharge. <i>Geophysical Research Letters</i> , 2019, 46, 3252-3262.	4.0	91
28	Continental igneous rock composition: A major control of past global chemical weathering. <i>Science Advances</i> , 2017, 3, e1602183.	10.3	32
29	On the bipolar origin of Heinrich events. <i>Geophysical Research Letters</i> , 2014, 41, 9080-9086.	4.0	2