

# Xiao Yang

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2416799/publications.pdf>

Version: 2024-02-01

29  
papers

875  
citations

567281

15  
h-index

477307

29  
g-index

37  
all docs

37  
docs citations

37  
times ranked

1011  
citing authors

#	ARTICLE	IF	CITATIONS
1	The past and future of global river ice. <i>Nature</i> , 2020, 577, 69-73.	27.8	109
2	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
3	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
4	RivWidthCloud: An Automated Google Earth Engine Algorithm for River Width Extraction From Remotely Sensed Imagery. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2020, 17, 217-221.	3.1	70
5	Recent changes to Arctic river discharge. <i>Nature Communications</i> , 2021, 12, 6917.	12.8	62
6	The Color of Rivers. <i>Geophysical Research Letters</i> , 2021, 48, .	4.0	57
7	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
8	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
9	The Surface Water and Ocean Topography (SWOT) Mission River Database (SWORD): A Global River Network for Satellite Data Products. <i>Water Resources Research</i> , 2021, 57, e2021WR030054.	4.2	44
10	Artificial lake expansion amplifies mercury pollution from gold mining. <i>Science Advances</i> , 2020, 6, .	10.3	34
11	Continental igneous rock composition: A major control of past global chemical weathering. <i>Science Advances</i> , 2017, 3, e1602183.	10.3	32
12	Multi-decadal improvement in US Lake water clarity. <i>Environmental Research Letters</i> , 2021, 16, 055025.	5.2	27
13	Timing of Landsat Overpasses Effectively Captures Flow Conditions of Large Rivers. <i>Remote Sensing</i> , 2020, 12, 1510.	4.0	23
14	National-scale assessment of decadal river migration at critical bridge infrastructure in the Philippines. <i>Science of the Total Environment</i> , 2021, 768, 144460.	8.0	22
15	Shifting Patterns of Summer Lake Color Phenology in Over 26,000 US Lakes. <i>Water Resources Research</i> , 2021, 57, e2020WR029123.	4.2	17
16	The Ecology of River Ice. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2021, 126, e2021JG006275.	3.0	17
17	A Participatory Science Approach to Expanding Instream Infrastructure Inventories. <i>Earth's Future</i> , 2020, 8, e2020EF001558.	6.3	16
18	RODEO: An algorithm and Google Earth Engine application for river discharge retrieval from Landsat. <i>Environmental Modelling and Software</i> , 2022, 148, 105254.	4.5	15

#	ARTICLE	IF	CITATIONS
19	Mapping Flow-Obstructing Structures on Global Rivers. <i>Water Resources Research</i> , 2022, 58, .	4.2	13
20	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
21	Monitoring Variations in Lake Water Storage with Satellite Imagery and Citizen Science. <i>Water (Switzerland)</i> , 2021, 13, 949.	2.7	9
22	Global Dam Watch: curated data and tools for management and decision making. <i>Environmental Research: Infrastructure and Sustainability</i> , 2021, 1, 033003.	2.3	7
23	Estimating River Sediment Discharge in the Upper Mississippi River Using Landsat Imagery. <i>Remote Sensing</i> , 2020, 12, 2370.	4.0	5
24	Simple Method to Extract Lake Ice Condition From Landsat Images. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2022, 60, 1-10.	6.3	4
25	Remote sensing of lake ice phenology in Alaska. <i>Environmental Research Letters</i> , 2021, 16, 064007.	5.2	4
26	The <sc>AEMON</sc> â€œHacking Limnologyâ€•Workshop Series & Virtual Summit: Incorporating Data Science and Open Science in Aquatic Research. <i>Limnology and Oceanography Bulletin</i> , 2021, 30, 140-143.	0.4	4
27	Flood Extent Mapping During Hurricane Florence With Repeatâ€Pass Lâ€Band UAVSAR Images. <i>Water Resources Research</i> , 2022, 58, .	4.2	4
28	On the bipolar origin of Heinrich events. <i>Geophysical Research Letters</i> , 2014, 41, 9080-9086.	4.0	2
29	Functional Lakeâ€toâ€Channel Connectivity Impacts Lake Ice in the Colville Delta, Alaska. <i>Journal of Geophysical Research F: Earth Surface</i> , 2021, 126, .	2.8	1