

Lincoln H Pitcher

List of Publications by Year in descending order

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Version: 2024-02-01

29
papers

979
citations

516710

16
h-index

501196

28
g-index

38
all docs

38
docs citations

38
times ranked

1324
citing authors

#	ARTICLE	IF	CITATIONS
1	Efficient meltwater drainage through supraglacial streams and rivers on the southwest Greenland ice sheet. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 1001-1006.	7.1	163
2	Greenland Ice Sheet surface melt amplified by snowline migration and bare ice exposure. Science Advances, 2019, 5, eaav3738.	10.3	93
3	Arctic-Boreal Lake Dynamics Revealed Using CubeSat Imagery. Geophysical Research Letters, 2019, 46, 2111-2120.	4.0	87
4	Direct measurements of meltwater runoff on the Greenland ice sheet surface. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E10622-E10631.	7.1	66
5	AirSWOT measurements of river water surface elevation and slope: Tanana River, AK. Geophysical Research Letters, 2017, 44, 181-189.	4.0	55
6	Hypsometric amplification and routing moderation of Greenland ice sheet meltwater release. Cryosphere, 2017, 11, 1371-1386.	3.9	48
7	Global Characterization of Inland Water Reservoirs Using ICESat-2 Altimetry and Climate Reanalysis. Geophysical Research Letters, 2020, 47, e2020GL088543.	4.0	44
8	Meltwater storage in low-density near-surface bare ice in the Greenland ice sheet ablation zone. Cryosphere, 2018, 12, 955-970.	3.9	43
9	Using Google Earth Engine to Map Complex Shade-Grown Coffee Landscapes in Northern Nicaragua. Remote Sensing, 2018, 10, 952.	4.0	41
10	Derivation of High Spatial Resolution Albedo from UAV Digital Imagery: Application over the Greenland Ice Sheet. Frontiers in Earth Science, 2017, 5, .	1.8	37
11	Supraglacial Streams and Rivers. Annual Review of Earth and Planetary Sciences, 2019, 47, 421-452.	11.0	32
12	Fluvial morphometry of supraglacial river networks on the southwest Greenland Ice Sheet. GIScience and Remote Sensing, 2016, 53, 459-482.	5.9	29
13	AirSWOT InSAR Mapping of Surface Water Elevations and Hydraulic Gradients Across the Yukon Flats Basin, Alaska. Water Resources Research, 2019, 55, 937-953.	4.2	29
14	A High-Resolution Airborne Color-Infrared Camera Water Mask for the NASA ABoVE Campaign. Remote Sensing, 2019, 11, 2163.	4.0	26
15	Temporal variations in river water surface elevation and slope captured by AirSWOT. Remote Sensing of Environment, 2019, 224, 304-316.	11.0	25
16	Characterizing supraglacial meltwater channel hydraulics on the Greenland Ice Sheet from <i>in situ</i> observations. Earth Surface Processes and Landforms, 2016, 41, 2111-2122.	2.5	24
17	Supraglacial River Forcing of Subglacial Water Storage and Diurnal Ice Sheet Motion. Geophysical Research Letters, 2021, 48, e2020GL091418.	4.0	22
18	Technical Note: Semi-automated effective width extraction from time-lapse RGB imagery of a remote, braided Greenlandic river. Hydrology and Earth System Sciences, 2015, 19, 2963-2969.	4.9	15

#	ARTICLE	IF	CITATIONS
19	Direct Observation of Winter Meltwater Drainage From the Greenland Ice Sheet. <i>Geophysical Research Letters</i> , 2020, 47, e2019GL086521.	4.0	15
20	Seasonal evolution of supraglacial lakes and rivers on the southwest Greenland Ice Sheet. <i>Journal of Glaciology</i> , 2021, 67, 592-602.	2.2	15
21	Airborne observations of arctic-boreal water surface elevations from AirSWOT Ka-Band InSAR and LVIS LiDAR. <i>Environmental Research Letters</i> , 2020, 15, 105005.	5.2	14
22	CryoSheds: a GIS modeling framework for delineating land-ice watersheds for the Greenland Ice Sheet. <i>GIScience and Remote Sensing</i> , 2016, 53, 707-722.	5.9	13
23	The Importance of Lake Emergent Aquatic Vegetation for Estimating Arctic-Boreal Methane Emissions. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2022, 127, .	3.0	11
24	Threats of future climate change and land use to vulnerable tree species native to Southern California. <i>Environmental Conservation</i> , 2015, 42, 127-138.	1.3	10
25	Hourly surface meltwater routing for a Greenlandic supraglacial catchment across hillslopes and through a dense topological channel network. <i>Cryosphere</i> , 2021, 15, 2315-2331.	3.9	7
26	Discharge Estimation From Dense Arrays of Pressure Transducers. <i>Water Resources Research</i> , 2021, 57, e2020WR028714.	4.2	4
27	Advancing Field-Based GNSS Surveying for Validation of Remotely Sensed Water Surface Elevation Products. <i>Frontiers in Earth Science</i> , 2020, 8, .	1.8	3
28	Development of ice-shelf estuaries promotes fractures and calving. <i>Nature Geoscience</i> , 2021, 14, 899-905.	12.9	2
29	Ge/Si and Ge Isotope Fractionation During Glacial and Non-glacial Weathering: Field and Experimental Data From West Greenland. <i>Frontiers in Earth Science</i> , 2021, 9, .	1.8	0