

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	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
2	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
3	Discharge Estimation From Dense Arrays of Pressure Transducers. <i>Water Resources Research</i> , 2021, 57, e2020WR028714.	4.2	4
4	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
5	Supraglacial River Forcing of Subglacial Water Storage and Diurnal Ice Sheet Motion. <i>Geophysical Research Letters</i> , 2021, 48, e2020GL091418.	4.0	22
6	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
7	Development of ice-shelf estuaries promotes fractures and calving. <i>Nature Geoscience</i> , 2021, 14, 899-905.	12.9	2
8	Global Characterization of Inland Water Reservoirs Using ICESat-2 Altimetry and Climate Reanalysis. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL088543.	4.0	44
9	Direct Observation of Winter Meltwater Drainage From the Greenland Ice Sheet. <i>Geophysical Research Letters</i> , 2020, 47, e2019GL086521.	4.0	15
10	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
11	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
12	A High-Resolution Airborne Color-Infrared Camera Water Mask for the NASA ABoVE Campaign. <i>Remote Sensing</i> , 2019, 11, 2163.	4.0	26
13	Greenland Ice Sheet surface melt amplified by snowline migration and bare ice exposure. <i>Science Advances</i> , 2019, 5, eaav3738.	10.3	93
14	Supraglacial Streams and Rivers. <i>Annual Review of Earth and Planetary Sciences</i> , 2019, 47, 421-452.	11.0	32
15	Arctic-Boreal Lake Dynamics Revealed Using CubeSat Imagery. <i>Geophysical Research Letters</i> , 2019, 46, 2111-2120.	4.0	87
16	Temporal variations in river water surface elevation and slope captured by AirSWOT. <i>Remote Sensing of Environment</i> , 2019, 224, 304-316.	11.0	25
17	AirSWOT InSAR Mapping of Surface Water Elevations and Hydraulic Gradients Across the Yukon Flats Basin, Alaska. <i>Water Resources Research</i> , 2019, 55, 937-953.	4.2	29
18	Meltwater storage in low-density near-surface bare ice in the Greenland ice sheet ablation zone. <i>Cryosphere</i> , 2018, 12, 955-970.	3.9	43

#	ARTICLE	IF	CITATIONS
19	Using Google Earth Engine to Map Complex Shade-Grown Coffee Landscapes in Northern Nicaragua. <i>Remote Sensing</i> , 2018, 10, 952.	4.0	41
20	AirSWOT measurements of river water surface elevation and slope: Tanana River, AK. <i>Geophysical Research Letters</i> , 2017, 44, 181-189.	4.0	55
21	Direct measurements of meltwater runoff on the Greenland ice sheet surface. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E10622-E10631.	7.1	66
22	Derivation of High Spatial Resolution Albedo from UAV Digital Imagery: Application over the Greenland Ice Sheet. <i>Frontiers in Earth Science</i> , 2017, 5, .	1.8	37
23	Hypsometric amplification and routing moderation of Greenland ice sheet meltwater release. <i>Cryosphere</i> , 2017, 11, 1371-1386.	3.9	48
24	Characterizing supraglacial meltwater channel hydraulics on the Greenland Ice Sheet from <i>in situ</i> observations. <i>Earth Surface Processes and Landforms</i> , 2016, 41, 2111-2122.	2.5	24
25	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
26	Fluvial morphometry of supraglacial river networks on the southwest Greenland Ice Sheet. <i>GIScience and Remote Sensing</i> , 2016, 53, 459-482.	5.9	29
27	Technical Note: Semi-automated effective width extraction from time-lapse RGB imagery of a remote, braided Greenlandic river. <i>Hydrology and Earth System Sciences</i> , 2015, 19, 2963-2969.	4.9	15
28	Efficient meltwater drainage through supraglacial streams and rivers on the southwest Greenland ice sheet. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 1001-1006.	7.1	163
29	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