

Lucas K Zoet

List of Publications by Year in descending order

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Version: 2024-02-01

35
papers

772
citations

623574

14
h-index

580701

25
g-index

40
all docs

40
docs citations

40
times ranked

637
citing authors

#	ARTICLE	IF	CITATIONS
1	A slip law for glaciers on deformable beds. <i>Science</i> , 2020, 368, 76-78.	6.0	81
2	Glacial erosion: status and outlook. <i>Annals of Glaciology</i> , 2019, 60, 1-13.	2.8	73
3	Motion of an Antarctic glacier by repeated tidally modulated earthquakes. <i>Nature Geoscience</i> , 2012, 5, 623-626.	5.4	66
4	The effects of entrained debris on the basal sliding stability of a glacier. <i>Journal of Geophysical Research F: Earth Surface</i> , 2013, 118, 656-666.	1.0	47
5	Experimental determination of a double-valued drag relationship for glacier sliding. <i>Journal of Glaciology</i> , 2015, 61, 1-7.	1.1	44
6	Origin of the active drumlin field at Mjallakull, Iceland: New insights from till shear and consolidation patterns. <i>Quaternary Science Reviews</i> , 2016, 148, 243-260.	1.4	32
7	Progressive formation of modern drumlins at Mjallakull, Iceland: stratigraphical and morphological evidence. <i>Boreas</i> , 2016, 45, 567-583.	1.2	31
8	Glacier sliding, seismicity and sediment entrainment. <i>Annals of Glaciology</i> , 2019, 60, 182-192.	2.8	31
9	A Theoretical Model of Drumlin Formation Based on Observations at Mjallakull, Iceland. <i>Journal of Geophysical Research F: Earth Surface</i> , 2017, 122, 2302-2323.	1.0	28
10	Experiments on the dynamics and sedimentary products of glacier slip. <i>Geomorphology</i> , 2015, 244, 121-134.	1.1	27
11	A slip law for hard-bedded glaciers derived from observed bed topography. <i>Science Advances</i> , 2021, 7, .	4.7	24
12	Rate-weakening drag during glacier sliding. <i>Journal of Geophysical Research F: Earth Surface</i> , 2016, 121, 1206-1217.	1.0	23
13	A healing mechanism for stick-slip of glaciers. <i>Geology</i> , 2018, 46, 807-810.	2.0	20
14	Application of Constitutive Friction Laws to Glacier Seismicity. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL088964.	1.5	19
15	Three-dimensional bluff evolution in response to seasonal fluctuations in Great Lakes water levels. <i>Journal of Great Lakes Research</i> , 2020, 46, 1533-1543.	0.8	14
16	Basal seismicity of the Northeast Greenland Ice Stream. <i>Journal of Glaciology</i> , 2020, 66, 430-446.	1.1	13
17	Bedforms of Thwaites Glacier, West Antarctica: Character and Origin. <i>Journal of Geophysical Research F: Earth Surface</i> , 2021, 126, e2021JF006339.	1.0	12
18	Characterizing Sediment Flux of Deforming Glacier Beds. <i>Journal of Geophysical Research F: Earth Surface</i> , 2022, 127, .	1.0	12

#	ARTICLE	IF	CITATIONS
19	The role of permafrost on the morphology of an MIS 3 moraine from the southern Laurentide Ice Sheet. <i>Geology</i> , 2019, 47, 440-444.	2.0	11
20	Softening of Temperate Ice by Interstitial Water. <i>Frontiers in Earth Science</i> , 2021, 9, .	0.8	11
21	Linking bedrock discontinuities to glacial quarrying. <i>Annals of Glaciology</i> , 2019, 60, 66-72.	2.8	10
22	Sliding Relations for Glacier Slip With Cavities Over Three-Dimensional Beds. <i>Geophysical Research Letters</i> , 2020, 47, e2019GL084924.	1.5	10
23	Factors that contribute to the elongation of drumlins beneath the Green Bay Lobe, Laurentide Ice Sheet. <i>Earth Surface Processes and Landforms</i> , 2021, 46, 2540-2550.	1.2	8
24	Transient evolution of basal drag during glacier slip. <i>Journal of Glaciology</i> , 0, , 1-10.	1.1	8
25	Coastal Bluff Evolution in Response to a Rapid Rise in Surface Water Level. <i>Journal of Geophysical Research F: Earth Surface</i> , 2020, 125, e2019JF005428.	1.0	7
26	Controls on Subglacial Rock Friction: Experiments With Debris in Temperate Ice. <i>Journal of Geophysical Research F: Earth Surface</i> , 2020, 125, e2020JF005718.	1.0	7
27	Insights into drumlin development from ground-penetrating radar at Mjallakull, Iceland, a surge-type glacier. <i>Journal of Glaciology</i> , 2020, 66, 822-830.	1.1	7
28	Analysis of a sudden bluff failure along the southwest Lake Michigan shoreline. <i>Journal of Great Lakes Research</i> , 2017, 43, 999-1004.	0.8	6
29	Experimental constraints on subglacial rock friction. <i>Annals of Glaciology</i> , 2019, 60, 37-48.	2.8	6
30	Debris-bed friction during glacier sliding with ice-bed separation. <i>Annals of Glaciology</i> , 2019, 60, 30-36.	2.8	6
31	The effects of tunnel channel formation on the Green Bay Lobe, Wisconsin, USA. <i>Geomorphology</i> , 2019, 324, 36-47.	1.1	6
32	Subglacial drumlins and englacial fractures at the surge-type glacier, Mjallakull, Iceland. <i>Earth Surface Processes and Landforms</i> , 2019, 44, 367-380.	1.2	5
33	Moraines and late-glacial stratigraphy in central Lake Superior. <i>Quaternary Research</i> , 2020, 98, 19-35.	1.0	5
34	Variations in Hard-Bedded Topography Beneath Glaciers. <i>Journal of Geophysical Research F: Earth Surface</i> , 2021, 126, e2021JF006326.	1.0	5
35	Multi-decadal basal slip enhancement at Saskatchewan Glacier, Canadian Rocky Mountains. <i>Journal of Glaciology</i> , 2023, 69, 71-86.	1.1	1