

Felix Ng

List of Publications by Year in descending order

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46
papers

1,533
citations

361413

20
h-index

315739

38
g-index

56
all docs

56
docs citations

56
times ranked

1475
citing authors

#	ARTICLE	IF	CITATIONS
1	Size and shape characteristics of drumlins, derived from a large sample, and associated scaling laws. <i>Quaternary Science Reviews</i> , 2009, 28, 677-692.	3.0	192
2	Thermally controlled glacier surging. <i>Journal of Glaciology</i> , 2001, 47, 527-538.	2.2	157
3	Canals under sediment-based ice sheets. <i>Annals of Glaciology</i> , 2000, 30, 146-152.	1.4	121
4	A glacier respire: Quantifying the distribution and respiration CO ₂ flux of cryoconite across an entire Arctic supraglacial ecosystem. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	109
5	Coupled ice-till deformation near subglacial channels and cavities. <i>Journal of Glaciology</i> , 2000, 46, 580-598.	2.2	75
6	Fast-flow signature in the stagnated Kamb Ice Stream, West Antarctica. <i>Geology</i> , 2004, 32, 481.	4.4	59
7	Patterning mechanisms in subglacial carbonate dissolution and deposition. <i>Journal of Glaciology</i> , 2002, 48, 386-400.	2.2	54
8	Subglacial lakes and their changing role in a warming climate. <i>Nature Reviews Earth & Environment</i> , 2022, 3, 106-124.	29.7	54
9	Fast-growing till over ancient ice in Beacon Valley, Antarctica. <i>Geology</i> , 2005, 33, 121.	4.4	49
10	Climatic control on the peak discharge of glacier outburst floods. <i>Geophysical Research Letters</i> , 2007, 34, .	4.0	49
11	An extended "perfect" plasticity method for estimating ice thickness along the flow line of mountain glaciers. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	49
12	On the Clague-Mathews relation for jökulhlaups. <i>Journal of Glaciology</i> , 2003, 49, 161-172.	2.2	42
13	Modelling channelized surface drainage of supraglacial lakes. <i>Journal of Glaciology</i> , 2015, 61, 185-199.	2.2	41
14	Using the surface profiles of modern ice masses to inform palaeo-glacier reconstructions. <i>Quaternary Science Reviews</i> , 2010, 29, 3240-3255.	3.0	38
15	Modelling the coupling of flood discharge with glacier flow during jökulhlaups. <i>Annals of Glaciology</i> , 2013, 54, 25-31.	1.4	37
16	Temporal dynamics of a jökulhlaup system. <i>Journal of Glaciology</i> , 2009, 55, 651-665.	2.2	36
17	Actively evolving subglacial conduits and eskers initiate ice shelf channels at an Antarctic grounding line. <i>Nature Communications</i> , 2017, 8, 15228.	12.8	32
18	Ice-Dammed Lake Drainage Evolution at Russell Glacier, West Greenland. <i>Frontiers in Earth Science</i> , 2017, 5, .	1.8	29

#	ARTICLE	IF	CITATIONS
19	The role of sediment transport in the mechanics of j��kulhlaups. <i>Annals of Glaciology</i> , 1996, 22, 255-259.	1.4	28
20	Greenland Ice Sheet Surface Topography and Drainage Structure Controlled by the Transfer of Basal Variability. <i>Frontiers in Earth Science</i> , 2018, 6, .	1.8	25
21	The role of sediment transport in the mechanics of j��kulhlaups. <i>Annals of Glaciology</i> , 1996, 22, 255-259.	1.4	22
22	Ice��marginal sediment delivery to the surface of a high��arctic glacier: austre br��ggerbreen, svalbard. <i>Geografiska Annaler, Series A: Physical Geography</i> , 2010, 92, 437-449.	1.5	21
23	Quantifying the predictability of the timing of j��kulhlaups from Merzbacher Lake, Kyrgyzstan. <i>Journal of Glaciology</i> , 2013, 59, 805-818.	2.2	20
24	A quasi-annual record of time-transgressive esker formation: implications for ice-sheet reconstruction and subglacial hydrology. <i>Cryosphere</i> , 2020, 14, 1989-2004.	3.9	20
25	Polyphase Mid��Latitude Glaciation on Mars: Chronology of the Formation of Superposed Glacier��Like Forms from Crater��Count Dating. <i>Journal of Geophysical Research E: Planets</i> , 2020, 125, e2019JE006102.	3.6	17
26	Patterning instability on the Mars polar ice caps. <i>Journal of Geophysical Research</i> , 2006, 111, n/a-n/a.	3.3	16
27	Remote-sensing-based analysis of the 1996 surge of Northern Inylchek Glacier, central Tien Shan, Kyrgyzstan. <i>Geomorphology</i> , 2016, 273, 292-307.	2.6	15
28	Response of Surface Topography to Basal Variability Along Glacial Flowlines. <i>Journal of Geophysical Research F: Earth Surface</i> , 2018, 123, 2319-2340.	2.8	15
29	An automated method for mapping geomorphological expressions of former subglacial meltwater pathways (hummock corridors) from high resolution digital elevation data. <i>Geomorphology</i> , 2019, 339, 70-86.	2.6	13
30	Spatial complexity of ice flow across the Antarctic Ice Sheet. <i>Nature Geoscience</i> , 2015, 8, 847-850.	12.9	11
31	Morphology and evolution of supraglacial hummocks on debris��covered Himalayan glaciers. <i>Earth Surface Processes and Landforms</i> , 2021, 46, 525-539.	2.5	11
32	Pervasive diffusion of climate signals recorded in ice-vein ionic impurities. <i>Cryosphere</i> , 2021, 15, 1787-1810.	3.9	11
33	Insights on the formation of longitudinal surface structures on ice sheets from analysis of their spacing, spatial distribution, and relationship to ice thickness and flow. <i>Journal of Geophysical Research F: Earth Surface</i> , 2017, 122, 961-972.	2.8	10
34	Kinematic waves in polar firn stratigraphy. <i>Journal of Glaciology</i> , 2011, 57, 1119-1134.	2.2	8
35	Statistical mechanics of normal grain growth in one dimension: A partial integro-differential equation model. <i>Acta Materialia</i> , 2016, 120, 453-462.	7.9	8
36	A model of crystal-size evolution in polar ice masses. <i>Journal of Glaciology</i> , 2014, 60, 463-477.	2.2	7

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37	Late Amazonian Ice Survival in Kasei Valles, Mars. <i>Journal of Geophysical Research E: Planets</i> , 2020, 125, e2020JE006531.	3.6	7
38	Creating HiRISE digital elevation models for Mars using the open-source Ames Stereo Pipeline. <i>Geoscientific Instrumentation, Methods and Data Systems</i> , 2019, 8, 293-313.	1.6	7
39	Reconstructing ice flow fields from streamlined subglacial bedforms: A kriging approach. <i>Earth Surface Processes and Landforms</i> , 2019, 44, 861-876.	2.5	5
40	Formation of RADARSAT backscatter feature and undulating firn stratigraphy at an ice-stream margin. <i>Annals of Glaciology</i> , 2013, 54, 90-96.	1.4	4
41	Multiple sites of recent wet-based glaciation identified from eskers in western Tempe Terra, Mars. <i>Icarus</i> , 2022, 386, 115147.	2.5	2
42	Differential Geometry of Ice Flow. <i>Frontiers in Earth Science</i> , 2018, 6, .	1.8	1
43	A Mathematical Model of Wide Subglacial Water Drainage channels. , 1990, , 325-327.		1
44	A. Post and E. R. Lachapelle. 1999. <i>Glacier ice. Revised edition.</i> Seattle, WA, University of Washington Press, in association with International Glaciological Society, Cambridge, England. 144 pp. ISBN 0-295-97910-0, paperback. \$27.95.. <i>Journal of Glaciology</i> , 2000, 46, 700-700.	2.2	0
45	Mount Everest, The Reconnaissance 1935: 'The Forgotten Adventure' - by Tony Astill. <i>Geographical Journal</i> , 2006, 172, 351-351.	3.1	0
46	Sliding, Drainage and Subglacial Geomorphology. <i>Springer Textbooks in Earth Sciences, Geography and Environment</i> , 2021, , 47-78.	0.3	0