

# Michael J Willis

## List of Publications by Year in descending order

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Version: 2024-02-01

27  
papers

1,538  
citations

430874

18  
h-index

526287

27  
g-index

35  
all docs

35  
docs citations

35  
times ranked

2256  
citing authors

#	ARTICLE	IF	CITATIONS
1	Accelerating changes in ice mass within Greenland, and the ice sheet's sensitivity to atmospheric forcing. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 1934-1939.	7.1	152
2	Observed rapid bedrock uplift in Amundsen Sea Embayment promotes ice-sheet stability. Science, 2018, 360, 1335-1339.	12.6	147
3	Ice loss from the Southern Patagonian Ice Field, South America, between 2000 and 2012. Geophysical Research Letters, 2012, 39, .	4.0	128
4	Bedrock displacements in Greenland manifest ice mass variations, climate cycles and climate change. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 11944-11948.	7.1	116
5	Ice loss rates at the Northern Patagonian Icefield derived using a decade of satellite remote sensing. Remote Sensing of Environment, 2012, 117, 184-198.	11.0	109
6	Geodetic measurements reveal similarities between post-Last Glacial Maximum and present-day mass loss from the Greenland ice sheet. Science Advances, 2016, 2, e1600931.	10.3	108
7	River piracy and drainage basin reorganization led by climate-driven glacier retreat. Nature Geoscience, 2017, 10, 370-375.	12.9	107
8	The 2015 landslide and tsunami in Taan Fiord, Alaska. Scientific Reports, 2018, 8, 12993.	3.3	89
9	Recharge of a subglacial lake by surface meltwater in northeast Greenland. Nature, 2015, 518, 223-227.	27.8	74
10	Understanding of Contemporary Regional Sea-Level Change and the Implications for the Future. Reviews of Geophysics, 2020, 58, e2019RG000672.	23.0	74
11	Estimating supraglacial lake depth in West Greenland using Landsat 8 and comparison with other multispectral methods. Cryosphere, 2016, 10, 15-27.	3.9	73
12	Geodetic measurements of vertical crustal velocity in West Antarctica and the implications for ice mass balance. Geochemistry, Geophysics, Geosystems, 2009, 10, .	2.5	67
13	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
14	Massive destabilization of an Arctic ice cap. Earth and Planetary Science Letters, 2018, 502, 146-155.	4.4	45
15	Recent changes in glacier velocities and thinning at Novaya Zemlya. Remote Sensing of Environment, 2016, 174, 244-257.	11.0	38
16	Accelerating glacier mass loss on Franz Josef Land, Russian Arctic. Remote Sensing of Environment, 2018, 211, 357-375.	11.0	29
17	Satellite-derived volume loss rates and glacier speeds for the Juneau Icefield, Alaska. Journal of Glaciology, 2014, 60, 743-760.	2.2	24
18	Brief communication: Unabated wastage of the Juneau and Stikine icefields (southeast Alaska) in the early 21st century. Cryosphere, 2018, 12, 1523-1530.	3.9	18

#	ARTICLE	IF	CITATIONS
19	The Possible Transition From Glacial Surge to Ice Stream on Vavilov Ice Cap. <i>Geophysical Research Letters</i> , 2019, 46, 13892-13902.	4.0	18
20	Outlet glacier response to the 2012 collapse of the Matushevich Ice Shelf, Severnaya Zemlya, Russian Arctic. <i>Journal of Geophysical Research F: Earth Surface</i> , 2015, 120, 2040-2055.	2.8	17
21	Earthquake science in resilient societies. <i>Tectonics</i> , 2017, 36, 749-753.	2.8	13
22	Evolution of the 2014 Vulcan Creek landslide-dammed lake, Yukon, Canada, using field and remote survey techniques. <i>Landslides</i> , 2019, 16, 1823-1840.	5.4	7
23	Controls on Eolian Landscape Evolution in Fractured Bedrock. <i>Geophysical Research Letters</i> , 2019, 46, 12012-12020.	4.0	6
24	Transient ice loss in the Patagonia Icefields during the 2015–2016 El Niño event. <i>Scientific Reports</i> , 2022, 12, .	3.3	5
25	Stikine Icefield Mass Loss between 2000 and 2013/2014. <i>Frontiers in Earth Science</i> , 2016, 4, .	1.8	4
26	“Boundary”: mapping and visualizing climatically changed landscapes at Kaskawulsh Glacier and Kluane Lake, Yukon. <i>Journal of Maps</i> , 2019, 15, 19-30.	2.0	2
27	Characterization of large tsunamigenic landslides and their effects using digital surface models: A case study from Taan Fiord, Alaska. <i>Remote Sensing of Environment</i> , 2022, 270, 112881.	11.0	1