Michael J Willis

List of Publications by Year
in descending order

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	Characterization of large tsunamigenic landslides and their effects using digital surface models: A case study from Taan Fiord, Alaska. Remote Sensing of Environment, 2022, 270, 112881.	11.0	1
2	Transient ice loss in the Patagonia Icefields during the 2015â€“2016 El NiÃ±o event. Scientific Reports, 2022, 12, .	3.3	5
3	Understanding of Contemporary Regional Seaâ€Level Change and the Implications for the Future. Reviews of Geophysics, 2020, 58, e2019RG000672.	23.0	74
4	â€˜Boundaryâ€™: mapping and visualizing climatically changed landscapes at Kaskawulsh Glacier and Kluane Lake, Yukon. Journal of Maps, 2019, 15, 19-30.	2.0	2
5	Evolution of the 2014 Vulcan Creek landslide-dammed lake, Yukon, Canada, using field and remote survey techniques. Landslides, 2019, 16, 1823-1840.	5.4	7
6	Controls on Eolian Landscape Evolution in Fractured Bedrock. Geophysical Research Letters, 2019, 46, 12012-12020.	4.0	6
7	Accelerating changes in ice mass within Greenland, and the ice sheetâ€™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
8	The Possible Transition From Glacial Surge to Ice Stream on Vavilov Ice Cap. Geophysical Research Letters, 2019, 46, 13892-13902.	4.0	18
9	Accelerating glacier mass loss on Franz Josef Land, Russian Arctic. Remote Sensing of Environment, 2018, 211, 357-375.	11.0	29
10	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
11	The 2015 landslide and tsunami in Taan Fiord, Alaska. Scientific Reports, 2018, 8, 12993.	3.3	89
12	Massive destabilization of an Arctic ice cap. Earth and Planetary Science Letters, 2018, 502, 146-155.	4.4	45
13	Observed rapid bedrock uplift in Amundsen Sea Embayment promotes ice-sheet stability. Science, 2018, 360, 1335-1339.	12.6	147
14	Earthquake science in resilient societies. Tectonics, 2017, 36, 749-753.	2.8	13
15	River piracy and drainage basin reorganization led by climate-driven glacier retreat. Nature Geoscience, 2017, 10, 370-375.	12.9	107
16	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
17	Estimating supraglacial lake depth in West Greenland using Landsat 8 and comparison with other multispectral methods. Cryosphere, 2016, 10, 15-27.	3.9	73
18	Stikine Icefield Mass Loss between 2000 and 2013/2014. Frontiers in Earth Science, 2016, 4, .	1.8	4

#	Article	IF	Citations
19	Geodetic measurements reveal similarities between postâ€“Last Glacial Maximum and present-day mass loss from the Greenland ice sheet. Science Advances, 2016, 2, e1600931.	10.3	108
20	Recent changes in glacier velocities and thinning at Novaya Zemlya. Remote Sensing of Environment, 2016, 174, 244-257.	11.0	38
21	Outlet glacier response to the 2012 collapse of the Matusevich Ice Shelf, Severnaya Zemlya, Russian Arctic. Journal of Geophysical Research F: Earth Surface, 2015, 120, 2040-2055.	2.8	17
22	Recharge of a subglacial lake by surface meltwater in northeast Greenland. Nature, 2015, 518, 223-227.	27.8	74
23	Satellite-derived volume loss rates and glacier speeds for the Juneau Icefield, Alaska. Journal of Glaciology, 2014, 60, 743-760.	2.2	24
24	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
25	Ice loss from the Southern Patagonian Ice Field, South America, between 2000 and 2012. Geophysical Research Letters, 2012, 39, .	4.0	128
26	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
27	Geodetic measurements of vertical crustal velocity in West Antarctica and the implications for ice mass balance. Geochemistry, Geophysics, Geosystems, 2009, 10, .	2.5	67