Daniel Mcgrath

List of Publications by Year
in descending order

38 papers	1,064 citations	361413 20 h-index	434195 31 g-index
50 all docs	50 docs citations	50 times ranked	1504 citing authors

#	Article	IF	Citations
1	Recent warming at Summit, Greenland: Global context and implications. Geophysical Research Letters, 2013, 40, 2091-2096.	4.0	68
2	Assessing the summer water budget of a moulin basin in the Sermeq Avannarleq ablation region, Greenland ice sheet. Journal of Glaciology, 2011, 57, 954-964.	2.2	66
3	Basal crevasses on the Larsen C Ice Shelf, Antarctica: Implications for meltwater ponding and hydrofracture. Geophysical Research Letters, 2012, 39, .	4.0	53
4	Basal crevasses and associated surface crevassing on the Larsen C ice shelf, Antarctica, and their role in ice-shelf instability. Annals of Glaciology, 2012, 53, 10-18.	1.4	50
5	MODIS observed increase in duration and spatial extent of sediment plumes in Greenland fjords. Cryosphere, 2014, 8, 1161-1176.	3.9	50
6	Oceanic and atmospheric forcing of Larsen C Ice-Shelf thinning. Cryosphere, 2015, 9, 1005-1024.	3.9	50
7	Sediment plumes as a proxy for local ice-sheet runoff in Kangerlussuaq Fjord, West Greenland. Journal of Glaciology, 2010, 56, 813-821.	2.2	47
8	Reanalysis of the US Geological Survey Benchmark Glaciers: long-term insight into climate forcing of glacier mass balance. Journal of Glaciology, 2019, 65, 850-866.	2.2	46
9	Hypsometric control on glacier mass balance sensitivity in Alaska and northwest Canada. Earth's Future, 2017, 5, 324-336.	6.3	42
10	Hydrologic and geomorphic changes resulting from episodic glacial lake outburst floods: Rio Colonia, Patagonia, Chile. Geophysical Research Letters, 2017, 44, 854-864.	4.0	42
11	Spatially Extensive Groundâ€Penetrating Radar Snow Depth Observations During NASA's 2017 SnowEx Campaign: Comparison With In Situ, Airborne, and Satellite Observations. Water Resources Research, 2019, 55, 10026-10036.	4.2	37
12	The Case for an Open Water Balance: Reâ€envisioning Network Design and Data Analysis for a Complex, Uncertain World. Water Resources Research, 2020, 56, e2019WR026699.	4.2	36
13	Modeling moulin distribution on Sermeq Avannarleq glacier using ASTER and WorldView imagery and fuzzy set theory. Remote Sensing of Environment, 2011, 115, 2292-2301.	11.0	35
14	Fracture propagation and stability of ice shelves governed by ice shelf heterogeneity. Geophysical Research Letters, 2017, 44, 4186-4194.	4.0	35
15	Endâ€ofâ€winter snow depth variability on glaciers in Alaska. Journal of Geophysical Research F: Earth Surface, 2015, 120, 1530-1550.	2.8	34
16	A Snow Density Dataset for Improving Surface Boundary Conditions in Greenland Ice Sheet Firn Modeling. Frontiers in Earth Science, 2018, 6, .	1.8	34
17	Hydrologic impacts of changes in climate and glacier extent in the <scp>G</scp>ulf of <scp>A</scp>laska watershed. Water Resources Research, 2017, 53, 7502-7520.	4.2	33
18	The structure and effect of suture zones in the Larsen C Ice Shelf, Antarctica. Journal of Geophysical Research F: Earth Surface, 2014, 119, 588-602.	2.8	32

#	Article	IF	Citations
19	Interannual snow accumulation variability on glaciers derived from repeat, spatially extensive ground-penetrating radar surveys. Cryosphere, 2018, 12, 3617-3633.	3.9	25
20	Latest Pleistocene and Holocene glacial events in the Colonia valley, Northern Patagonia Icefield, southern Chile. Journal of Quaternary Science, 2016, 31, 551-564.	2.1	24
21	Sub-Seasonal Snowpack Trends in the Rocky Mountain National Park Area, Colorado, USA. Water (Switzerland), 2018, 10, 562.	2.7	23
22	Nearâ€Surface Environmentally Forced Changes in the Ross Ice Shelf Observed With Ambient Seismic Noise. Geophysical Research Letters, 2018, 45, 11,187.	4.0	21
23	Centuries of intense surface melt on Larsen C Ice Shelf. Cryosphere, 2017, 11, 2743-2753.	3.9	19
24	Links between atmosphere, ocean, and cryosphere from two decades of microseism observations on the Antarctic Peninsula. Journal of Geophysical Research F: Earth Surface, 2017, 122, 153-166.	2.8	18
25	Ongoing Landslide Deformation in Thawing Permafrost. Geophysical Research Letters, 2021, 48, e2021GL092959.	4.0	17
26	Observationally constrained surface mass balance of Larsen C ice shelf, Antarctica. Cryosphere, 2017, 11, 2411-2426.	3.9	16
27	Snow Depth Retrieval With an Autonomous UAV-Mounted Software-Defined Radar. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-16.	6.3	16
28	Dam type and lake location characterize ice-marginal lake area change in Alaska and NWÂCanada betweenÂ1984 andÂ2019. Cryosphere, 2022, 16, 297-314.	3.9	14
29	Withinâ€Stand Boundary Effects on Snow Water Equivalent Distribution in Forested Areas. Water Resources Research, 2020, 56, e2019WR024905.	4.2	12
30	Geometry, mass balance and thinning at Eklutna Glacier, Alaska: an altitude-mass-balance feedback with implications for water resources. Journal of Glaciology, 2017, 63, 343-354.	2.2	11
31	Seawater softening of suture zones inhibits fracture propagation in Antarctic ice shelves. Nature Communications, 2019, 10, 5491.	12.8	11
32	In Situ Determination of Dry and Wet Snow Permittivity: Improving Equations for Low Frequency Radar Applications. Remote Sensing, 2021, 13, 4617.	4.0	11
33	Comparison of kilometre and subâ€kilometre scale simulations of a foehn wind event over the Larsen C Ice Shelf, Antarctic Peninsula using the Met Office Unified Model (<scp>MetUM</scp>). Quarterly Journal of the Royal Meteorological Society, 2021, 147, 3472-3492.	2.7	9
34	A Time Series of Snow Density and Snow Water Equivalent Observations Derived From the Integration of GPR and UAV SfM Observations. Frontiers in Remote Sensing, 2022, 3, .	3.5	7
35	Spatiotemporal Variations in Liquid Water Content in a Seasonal Snowpack: Implications for Radar Remote Sensing. Remote Sensing, 2021, 13, 4223.	4.0	6
36	Beyond glacier-wide mass balances: parsing seasonal elevation change into spatially resolved patterns of accumulation and ablation at Wolverine Glacier, Alaska. Journal of Glaciology, 2023, 69, 87-102.	2.2	2

#	Article	IF	Citations
37	Short-Term Variability in Alaska Ice-Marginal Lake Area: Implications for Long-Term Studies. Remote Sensing, 2021, 13, 3955.	4.0	1
38	Coupling radar and repeat geodetic observations to constrain vertical ice velocities of Wolverine Glacier, Alaska. , 2020, , .		0