Daniel Mcgrath

List of Publications by Year
in descending order

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38 papers	1,064 citations	361045 20 h-index	433756 31 g-index
50 all docs	50 docs citations	50 times ranked	1504 citing authors

#	Article	IF	Citations
1	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.	1.1	2
2	Snow Depth Retrieval With an Autonomous UAV-Mounted Software-Defined Radar. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-16.	2.7	16
3	Dam type and lake location characterize ice-marginal lake area change in Alaska and NWÂCanada betweenÂ1984 andÂ2019. Cryosphere, 2022, 16, 297-314.	1.5	14
4	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, .	1.3	7
5	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.	1.0	9
6	Ongoing Landslide Deformation in Thawing Permafrost. Geophysical Research Letters, 2021, 48, e2021GL092959.	1.5	17
7	Spatiotemporal Variations in Liquid Water Content in a Seasonal Snowpack: Implications for Radar Remote Sensing. Remote Sensing, 2021, 13, 4223.	1.8	6
8	Short-Term Variability in Alaska Ice-Marginal Lake Area: Implications for Long-Term Studies. Remote Sensing, 2021, 13, 3955.	1.8	1
9	In Situ Determination of Dry and Wet Snow Permittivity: Improving Equations for Low Frequency Radar Applications. Remote Sensing, 2021, 13, 4617.	1.8	11
10	Withinâ€Stand Boundary Effects on Snow Water Equivalent Distribution in Forested Areas. Water Resources Research, 2020, 56, e2019WR024905.	1.7	12
11	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.	1.7	36
12	Coupling radar and repeat geodetic observations to constrain vertical ice velocities of Wolverine Glacier, Alaska. , 2020, , .		0
13	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.	1.7	37
14	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.	1.1	46
15	Seawater softening of suture zones inhibits fracture propagation in Antarctic ice shelves. Nature Communications, 2019, 10, 5491.	5.8	11
16	Interannual snow accumulation variability on glaciers derived from repeat, spatially extensive ground-penetrating radar surveys. Cryosphere, 2018, 12, 3617-3633.	1.5	25
17	Nearâ€Surface Environmentally Forced Changes in the Ross Ice Shelf Observed With Ambient Seismic Noise. Geophysical Research Letters, 2018, 45, 11,187.	1.5	21
18	A Snow Density Dataset for Improving Surface Boundary Conditions in Greenland Ice Sheet Firn Modeling. Frontiers in Earth Science, 2018, 6, .	0.8	34

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19	Sub-Seasonal Snowpack Trends in the Rocky Mountain National Park Area, Colorado, USA. Water (Switzerland), 2018, 10, 562.	1.2	23
20	Hypsometric control on glacier mass balance sensitivity in Alaska and northwest Canada. Earth's Future, 2017, 5, 324-336.	2.4	42
21	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.	1.0	18
22	Hydrologic and geomorphic changes resulting from episodic glacial lake outburst floods: Rio Colonia, Patagonia, Chile. Geophysical Research Letters, 2017, 44, 854-864.	1.5	42
23	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.	1.7	33
24	Fracture propagation and stability of ice shelves governed by ice shelf heterogeneity. Geophysical Research Letters, 2017, 44, 4186-4194.	1.5	35
25	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.	1.1	11
26	Observationally constrained surface mass balance of Larsen C ice shelf, Antarctica. Cryosphere, 2017, 11, 2411-2426.	1.5	16
27	Centuries of intense surface melt on Larsen C Ice Shelf. Cryosphere, 2017, 11, 2743-2753.	1.5	19
28	Latest Pleistocene and Holocene glacial events in the Colonia valley, Northern Patagonia Icefield, southern Chile. Journal of Quaternary Science, 2016, 31, 551-564.	1.1	24
29	Endâ€ofâ€winter snow depth variability on glaciers in Alaska. Journal of Geophysical Research F: Earth Surface, 2015, 120, 1530-1550.	1.0	34
30	Oceanic and atmospheric forcing of Larsen C Ice-Shelf thinning. Cryosphere, 2015, 9, 1005-1024.	1.5	50
31	MODIS observed increase in duration and spatial extent of sediment plumes in Greenland fjords. Cryosphere, 2014, 8, 1161-1176.	1.5	50
32	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.	1.0	32
33	Recent warming at Summit, Greenland: Global context and implications. Geophysical Research Letters, 2013, 40, 2091-2096.	1.5	68
34	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.	2.8	50
35	Basal crevasses on the Larsen C Ice Shelf, Antarctica: Implications for meltwater ponding and hydrofracture. Geophysical Research Letters, 2012, 39, .	1.5	53
36	Modeling moulin distribution on Sermeq Avannarleq glacier using ASTER and WorldView imagery and fuzzy set theory. Remote Sensing of Environment, 2011, 115, 2292-2301.	4.6	35

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37	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.	1.1	66
38	Sediment plumes as a proxy for local ice-sheet runoff in Kangerlussuaq Fjord, West Greenland. Journal of Glaciology, 2010, 56, 813-821.	1.1	47