Duncan J Quincey

List of Publications by Year
in descending order

58	2,065	236925	243625
papers	citations	25 h-index	44 g-index

59	59	59	1920
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Surface ablation and its drivers along a westâ€“east transect of the Southern Patagonia Icefield. Journal of Glaciology, 2022, 68, 305-318.	2.2	2
2	High concentrations of pharmaceuticals emerging as a threat to Himalayan water sustainability. Environmental Science and Pollution Research, 2022, 29, 16749-16757.	5.3	10
3	A regionally resolved inventory of High Mountain Asia surge-type glaciers, derived from a multi-factor remote sensing approach. Cryosphere, 2022, 16, 603-623.	3.9	31
4	Changes in ice-surface debris, surface elevation and mass through the active phase of selected Karakoram glacier surges. Geomorphology, 2022, 410, 108291.	2.6	2
5	Iceâ€Marginal Proglacial Lakes Across Greenland: Present Status and a Possible Future. Geophysical Research Letters, 2022, 49, .	4.0	9
6	Correcting for Systematic Underestimation of Topographic Glacier Aerodynamic Roughness Values From Hintereisferner, Austria. Frontiers in Earth Science, 2021, 9, .	1.8	3
7	Remote sensing of the mountain cryosphere: Current capabilities and future opportunities for research. Progress in Physical Geography, 2021, 45, 931-964.	3.2	18
8	Seasonal Cold-Wave Propagation Into the Near-Surface Ice of Debris-Covered Khumbu Glacier, Nepal. Frontiers in Earth Science, 2021, 9, .	1.8	1
9	Projected increases in surface melt and ice loss for the Northern and Southern Patagonian Icefields. Scientific Reports, 2021, 11, 16847.	3.3	10
10	The Role of Differential Ablation and Dynamic Detachment in Driving Accelerating Mass Loss From a Debrisâ€Covered Himalayan Glacier. Journal of Geophysical Research F: Earth Surface, 2021, 126, e2020JF005761.	2.8	15
11	Continuous borehole optical televiewing reveals variable englacial debris concentrations at Khumbu Glacier, Nepal. Communications Earth & Environment, 2021, 2, .	6.8	14
12	Seasonally stable temperature gradients through supraglacial debris in the Everest region of Nepal, Central Himalaya. Journal of Glaciology, 2021, 67, 170-181.	2.2	14
13	The Energy and Mass Balance of Peruvian Glaciers. Journal of Geophysical Research D: Atmospheres, 2021, 126, e2021JD034911.	3.3	11
14	Accelerated mass loss of Himalayan glaciers since the Little Ice Age. Scientific Reports, 2021, 11, 24284.	3.3	45
15	Manifestations and mechanisms of the Karakoram glacier Anomaly. Nature Geoscience, 2020, 13, 8-16.	12.9	186
16	Morphometric evolution of Everest region debris-covered glaciers. Geomorphology, 2020, 371, 107422.	2.6	17
17	Examining geodetic glacier mass balance in the eastern Pamir transition zone. Journal of Glaciology, 2020, 66, 927-937.	2.2	9
18	A scale-dependent model to represent changing aerodynamic roughness of ablating glacier ice based on repeat topographic surveys. Journal of Glaciology, 2020, 66, 950-964.	2.2	7

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19	Hydrology of debris-covered glaciers in High Mountain Asia. Earth-Science Reviews, 2020, 207, 103212.	9.1	37
20	Glacial Aerodynamic Roughness Estimates: Uncertainty, Sensitivity, and Precision in Field Measurements. Journal of Geophysical Research F: Earth Surface, 2020, 125, e2019JF005167.	2.8	9
21	Calving Seasonality Associated With Meltâ€Undercutting and Lake Ice Cover. Geophysical Research Letters, 2020, 47, e2019GL086561.	4.0	15
22	An Agent-Based Evaluation of Varying Evacuation Scenarios in Merapi: Simultaneous and Staged. Geosciences (Switzerland), 2019, 9, 317.	2.2	7
23	Instruments and methods: hot-water borehole drilling at a high-elevation debris-covered glacier. Journal of Glaciology, 2019, 65, 822-832.	2.2	7
24	Characterizing the behaviour of surge- and non-surge-type glaciers in the Kingata Mountains, eastern Pamir, from 1999 to 2016. Cryosphere, 2019, 13, 219-236.	3.9	43
25	Surface and subsurface hydrology of debris-covered Khumbu Glacier, Nepal, revealed by dye tracing. Earth and Planetary Science Letters, 2019, 513, 176-186.	4.4	26
26	Accelerated Volume Loss in Glacier Ablation Zones of NE Greenland, Little Ice Age to Present. Geophysical Research Letters, 2019, 46, 1476-1484.	4.0	24
27	Pervasive Rise of Small-scale Deforestation in Amazonia. Scientific Reports, 2018, 8, 1600.	3.3	127
28	Heterogeneous water storage and thermal regime of supraglacial ponds on debrisâ€covered glaciers. Earth Surface Processes and Landforms, 2018, 43, 229-241.	2.5	27
29	The changing water cycle: the need for an integrated assessment of the resilience to changes in water supply in Highâ€Mountain Asia. Wiley Interdisciplinary Reviews: Water, 2018, 5, e1258.	6.5	12
30	The sustainability of water resources in High Mountain Asia in the context of recent and future glacier change. Geological Society Special Publication, 2018, 462, 189-204.	1.3	16
31	Polythermal structure of a Himalayan debris-covered glacier revealed by borehole thermometry. Scientific Reports, 2018, 8, 16825.	3.3	29
32	Glacial and geomorphic effects of a supraglacial lake drainage and outburst event, Everest region, Nepal Himalaya. Cryosphere, 2018, 12, 3891-3905.	3.9	46
33	Optimising NDWI supraglacial pond classification on Himalayan debris-covered glaciers. Remote Sensing of Environment, 2018, 217, 414-425.	11.0	53
34	Variations in nearâ€surface debris temperature through the summer monsoon on Khumbu Glacier, Nepal Himalaya. Earth Surface Processes and Landforms, 2018, 43, 2698-2714.	2.5	7
35	The Himalayan Climate and Water AtlasThe Himalayan Climate and Water Atlas Edited by Arun Bhakta Shrestha, Nand Kishor Agrawal, BjÃ¶rn Alfthan, Sagar Ratna Bajracharya, Judith MarÃ©chal, and Bob van Oort. Kathmandu, Nepal, Arendal, Norway, and Oslo, Norway: International Centre for Integrated Mountain Development (ICIMOD), GRID-Arendal, and Centre for International Climate and Environmental Research - Oslo (CICERO), 2015. 96 pp. Paperback: Available on request. ISBN 978-92-9115-356-5. E-book: Free down. Mountain Research and Development, 2017, 37, 155-156.	1.0	4
36	Robson, Benjamin Aubrey, 2016. The Application of Remote Sensing Techniques for the Quantification and Change Assessment of Debris-covered Glaciers. Norsk Geografisk Tidsskrift, 2017, 71, 62-63.	0.7	1

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37	An integrated Structure-from-Motion and time-lapse technique for quantifying ice-margin dynamics. Journal of Glaciology, 2017, 63, 937-949.	2.2	47
38	Quantifying ice cliff evolution with multi-temporal point clouds on the debris-covered Khumbu Glacier, Nepal. Journal of Glaciology, 2017, 63, 823-837.	2.2	48
39	Evaluating morphological estimates of the aerodynamic roughness of debris covered glacier ice. Earth Surface Processes and Landforms, 2017, 42, 2541-2553.	2.5	17
40	Temporal variations in supraglacial debris distribution on Baltoro Glacier, Karakoram between 2001 and 2012. Geomorphology, 2017, 295, 572-585.	2.6	40
41	Supraglacial Ponds Regulate Runoff From Himalayan Debrisâ€Covered Glaciers. Geophysical Research Letters, 2017, 44, 11,894.	4.0	30
42	Iceâ€margin and meltwater dynamics during the midâ€Holocene in the Kangerlussuaq area of west Greenland. Boreas, 2017, 46, 369-387.	2.4	10
43	Ice cliff dynamics in the Everest region of the Central Himalaya. Geomorphology, 2017, 278, 238-251.	2.6	48
44	Spatial variability in mass loss of glaciers in the Everest region, central Himalayas, between 2000 and 2015. Cryosphere, 2017, 11, 407-426.	3.9	100
45	A Conceptual Design of Spatio-Temporal Agent-Based Model for Volcanic Evacuation. Systems, 2017, 5, 53.	2.3	11
46	Stable isotope (Î´Dâ€“Î´18O) relationships of ice facies and glaciological structures within the mid-latitude maritime Fox Glacier, New Zealand. Annals of Glaciology, 2017, 58, 155-165.	1.4	2
47	Aerodynamic roughness of glacial ice surfaces derived from highâ€resolution topographic data. Journal of Geophysical Research F: Earth Surface, 2016, 121, 748-766.	2.8	37
48	The dynamics of supraglacial ponds in the Everest region, central Himalaya. Global and Planetary Change, 2016, 142, 14-27.	3.5	92
49	Automatic Classification of Roof Objects From Aerial Imagery of Informal Settlements in Johannesburg. Applied Spatial Analysis and Policy, 2016, 9, 269-281.	2.0	14
50	Heterogeneity in Karakoram glacier surges. Journal of Geophysical Research F: Earth Surface, 2015, 120, 1288-1300.	2.8	119
51	Modelling the feedbacks between mass balance, ice flow and debris transport to predict the response to climate change of debris-covered glaciers in the Himalaya. Earth and Planetary Science Letters, 2015, 430, 427-438.	4.4	158
52	Geomorphology of the Rees Valley, Otago, New Zealand. Journal of Maps, 2014, 10, 136-150.	2.0	10
53	Developments in budget remote sensing for the geosciences. Geology Today, 2013, 29, 138-143.	0.9	38
54	The structural glaciology of southwest Antarctic Peninsula Ice Shelves (ca. 2010). Journal of Maps, 2013, 9, 523-531.	2.0	7

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55	Ice flow dynamics and surface meltwater flux at a land-terminating sector of the Greenland ice sheet. Journal of Glaciology, 2013, 59, 687-696.	2.2	46
56	Sedimentological, geomorphological and dynamic context of debris-mantled glaciers, Mount Everest (Sagarmatha) region, Nepal. Quaternary Science Reviews, 2009, 28, 1084.	3.0	19
57	Sedimentological, geomorphological and dynamic context of debris-mantled glaciers, Mount Everest (Sagarmatha) region, Nepal. Quaternary Science Reviews, 2008, 27, 2361-2389.	3.0	146
58	The potential of satellite radar interferometry and feature tracking for monitoring flow rates of Himalayan glaciers. Remote Sensing of Environment, 2007, 111, 172-181.	11.0	129