Keith Makinson

List of Publications by Year
in descending order

44 papers	1,690 citations	304368 22 h-index	301761 39 g-index
48 all docs	48 docs citations	48 times ranked	1451 citing authors

#	Article	IF	Citations
1	The BEAMISH hot water drill system and its use on the Rutford Ice Stream, Antarctica. Annals of Glaciology, 2021, 62, 233-249.	2.8	9
2	History of the Larsen C Ice Shelf reconstructed from subâ€“ice shelf and offshore sediments. Geology, 2021, 49, 978-982.	2.0	11
3	Development of a clean hot water drill to access Subglacial Lake CECs, West Antarctica. Annals of Glaciology, 2021, 62, 250-262.	2.8	12
4	Ice stream subglacial access for ice-sheet history and fast ice flow: the BEAMISH Project on Rutford Ice Stream, West Antarctica and initial results on basal conditions. Annals of Glaciology, 2021, 62, 203-211.	2.8	15
5	Observations of Tidal Melt and Vertical Strain at the Filchnerâ€Ronne Ice Shelf, Antarctica. Journal of Geophysical Research F: Earth Surface, 2020, 125, e2019JF005280.	1.0	13
6	Strong tidal variations in ice flow observed across the entire Ronne Ice Shelf and adjoining ice streams. Earth System Science Data, 2017, 9, 849-860.	3.7	8
7	Clean subglacial access: prospects for future deep hot-water drilling. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2016, 374, 20140304.	1.6	19
8	Technologies for retrieving sediment cores in Antarctic subglacial settings. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2016, 374, 20150056.	1.6	24
9	Seabed topography beneath Larsen C Ice Shelf from seismic soundings. Cryosphere, 2014, 8, 1-13.	1.5	38
10	Hydrography and circulation in the Filchner Depression, Weddell Sea, Antarctica. Journal of Geophysical Research: Oceans, 2014, 119, 5797-5814.	1.0	30
11	An assessment of deep hot-water drilling as a means to undertake direct measurement and sampling of Antarctic subglacial lakes: experience and lessons learned from the Lake Ellsworth field season 2012/13. Annals of Glaciology, 2014, 55, 59-73.	2.8	59
12	The BAS ice-shelf hot-water drill: design, methods and tools. Annals of Glaciology, 2014, 55, 44-52.	2.8	40
13	Measuring Turbulent Dissipation Rates Beneath an Antarctic Ice Shelf. Marine Technology Society Journal, 2014, 48, 18-24.	0.3	5
14	Estimating and managing blowout risk during access to subglacial Antarctic lakes. Antarctic Science, 2013, 25, 107-118.	0.5	6
15	Observations of Thermohaline Convection adjacent to Brunt Ice Shelf. Journal of Physical Oceanography, 2012, 42, 502-508.	0.7	13
16	Diurnal and semidiurnal tideâ€induced lateral movement of Ronne Ice Shelf, Antarctica. Geophysical Research Letters, 2012, 39, .	1.5	55
17	Rock debris in an Antarctic ice shelf. Annals of Glaciology, 2012, 53, 235-240.	2.8	15
18	Ocean circulation beneath Larsen C Ice Shelf, Antarctica from in situ observations. Geophysical Research Letters, 2012, 39, .	1.5	34

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19	Seasonal inflow of warm water onto the southern Weddell Sea continental shelf, Antarctica. Geophysical Research Letters, 2012, 39, .	1.5	41
20	Influence of tides on melting and freezing beneath Filchner-Ronne Ice Shelf, Antarctica. Geophysical Research Letters, 2011, 38, n/a-n/a.	1.5	101
21	Nonlinear interaction between ocean tides and the Larsen C Ice Shelf system. Geophysical Research Letters, 2011, 38, n/a-n/a.	1.5	27
22	Ellsworth Subglacial Lake, West Antarctica: A review of its history and recent field campaigns. Geophysical Monograph Series, 2011, , 221-233.	0.1	11
23	Probe technology for the direct measurement and sampling of Ellsworth Subglacial Lake. Geophysical Monograph Series, 2011, , 159-186.	0.1	8
24	Modelling the impact of ocean warming on melting and water masses of ice shelves in the Eastern Weddell Sea. Ocean Dynamics, 2010, 60, 479-489.	0.9	7
25	A consistent data set of Antarctic ice sheet topography, cavity geometry, and global bathymetry. Earth System Science Data, 2010, 2, 261-273.	3.7	129
26	Iceâ€ocean processes over the continental shelf of the southern Weddell Sea, Antarctica: A review. Reviews of Geophysics, 2009, 47, .	9.0	244
27	Tidal influence on Rutford Ice Stream, West Antarctica: observations of surface flow and basal processes from closely spaced GPS and passive seismic stations. Journal of Glaciology, 2008, 54, 715-724.	1.1	34
28	Rapid erosion, drumlin formation, and changing hydrology beneath an Antarctic ice stream. Geology, 2007, 35, 127.	2.0	198
29	Exploration of Ellsworth Subglacial Lake: a concept paper on the development, organisation and execution of an experiment to explore, measure and sample the environment of a West Antarctic subglacial lake. Reviews in Environmental Science and Biotechnology, 2007, 6, 161-179.	3.9	34
30	Effect of critical latitude and seasonal stratification on tidal current profiles along Ronne Ice Front, Antarctica. Journal of Geophysical Research, 2006, 111, .	3.3	30
31	Circulation and water masses beneath the northern Ronne Ice Shelf, Antarctica. Journal of Geophysical Research, 2004, 109, .	3.3	36
32	Modeling Tidal Current Profiles and Vertical Mixing beneath Filchnerâ€“Ronne Ice Shelf, Antarctica. Journal of Physical Oceanography, 2002, 32, 202-215.	0.7	30
33	Oceanographic conditions south of Berkner Island, beneath Filchner-Ronne Ice Shelf, Antarctica. Journal of Geophysical Research, 2001, 106, 11481-11492.	3.3	65
34	Modeling tidal currents beneath Filchner-Ronne Ice Shelf and on the adjacent continental shelf: Their effect on mixing and transport. Journal of Geophysical Research, 1999, 104, 13449-13465.	3.3	71
35	New oceanographic data from beneath Ronne Ice Shelf, Antarctica. Geophysical Research Letters, 1997, 24, 167-170.	1.5	34
36	The oceanic environment beneath the northwest Ronne Ice Shelf, Antarctica. Annals of Glaciology, 1994, 20, 386-390.	2.8	2

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37	The oceanic environment beneath the northwest Ronne Ice Shelf, Antarctica. Annals of Glaciology, 1994, 20, 386-390.	2.8	4
38	The oceanic environment beneath the northwest Ronne Ice Shelf, Antarctica. Annals of Glaciology, 1994, 20, 386-390.	2.8	4
39	The BAS hot water drill: development and current design. Cold Regions Science and Technology, 1993, 22, 121-132.	1.6	22
40	Ocean circulation beneath the Ronne ice shelf. Nature, 1991, 354, 221-223.	13.7	77
41	Ocean Circulation Beneath the Western Ronne Ice Shelf, as Derived from in Situ Measurements of Water Currents and Properties. Antarctic Research Series, 0, , 301-318.	0.2	33
42	Rutford Ice Stream, Antarctica. Antarctic Research Series, 0, , 221-235.	0.2	20
43	Non-contact measurement system for hot water drilled ice boreholes. Annals of Glaciology, 0, , 1-10.	2.8	0
44	A new percussion hammer mechanism for a borehole deployable subglacial sediment corer. Annals of Glaciology, 0, , 1-5.	2.8	4