

Keith Makinson

List of Publications by Year in descending order

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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	Ice-ocean processes over the continental shelf of the southern Weddell Sea, Antarctica: A review. <i>Reviews of Geophysics</i> , 2009, 47, .	9.0	244
2	Rapid erosion, drumlin formation, and changing hydrology beneath an Antarctic ice stream. <i>Geology</i> , 2007, 35, 127.	2.0	198
3	A consistent data set of Antarctic ice sheet topography, cavity geometry, and global bathymetry. <i>Earth System Science Data</i> , 2010, 2, 261-273.	3.7	129
4	Influence of tides on melting and freezing beneath Filchner-Ronne Ice Shelf, Antarctica. <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a.	1.5	101
5	Ocean circulation beneath the Ronne ice shelf. <i>Nature</i> , 1991, 354, 221-223.	13.7	77
6	Modeling tidal currents beneath Filchner-Ronne Ice Shelf and on the adjacent continental shelf: Their effect on mixing and transport. <i>Journal of Geophysical Research</i> , 1999, 104, 13449-13465.	3.3	71
7	Oceanographic conditions south of Berkner Island, beneath Filchner-Ronne Ice Shelf, Antarctica. <i>Journal of Geophysical Research</i> , 2001, 106, 11481-11492.	3.3	65
8	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. <i>Annals of Glaciology</i> , 2014, 55, 59-73.	2.8	59
9	Diurnal and semidiurnal tide-induced lateral movement of Ronne Ice Shelf, Antarctica. <i>Geophysical Research Letters</i> , 2012, 39, .	1.5	55
10	Seasonal inflow of warm water onto the southern Weddell Sea continental shelf, Antarctica. <i>Geophysical Research Letters</i> , 2012, 39, .	1.5	41
11	The BAS ice-shelf hot-water drill: design, methods and tools. <i>Annals of Glaciology</i> , 2014, 55, 44-52.	2.8	40
12	Seabed topography beneath Larsen C Ice Shelf from seismic soundings. <i>Cryosphere</i> , 2014, 8, 1-13.	1.5	38
13	Circulation and water masses beneath the northern Ronne Ice Shelf, Antarctica. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	36
14	New oceanographic data from beneath Ronne Ice Shelf, Antarctica. <i>Geophysical Research Letters</i> , 1997, 24, 167-170.	1.5	34
15	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. <i>Reviews in Environmental Science and Biotechnology</i> , 2007, 6, 161-179.	3.9	34
16	Tidal influence on Rutford Ice Stream, West Antarctica: observations of surface flow and basal processes from closely spaced GPS and passive seismic stations. <i>Journal of Glaciology</i> , 2008, 54, 715-724.	1.1	34
17	Ocean circulation beneath Larsen C Ice Shelf, Antarctica from <i>in situ</i> observations. <i>Geophysical Research Letters</i> , 2012, 39, .	1.5	34
18	Ocean Circulation Beneath the Western Ronne Ice Shelf, as Derived from <i>in Situ</i> Measurements of Water Currents and Properties. <i>Antarctic Research Series</i> , 0, , 301-318.	0.2	33

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19	Modeling Tidal Current Profiles and Vertical Mixing beneath Filchner-Ronne Ice Shelf, Antarctica. <i>Journal of Physical Oceanography</i> , 2002, 32, 202-215.	0.7	30
20	Effect of critical latitude and seasonal stratification on tidal current profiles along Ronne Ice Front, Antarctica. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	30
21	Hydrography and circulation in the Filchner Depression, Weddell Sea, Antarctica. <i>Journal of Geophysical Research: Oceans</i> , 2014, 119, 5797-5814.	1.0	30
22	Nonlinear interaction between ocean tides and the Larsen C Ice Shelf system. <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a.	1.5	27
23	Technologies for retrieving sediment cores in Antarctic subglacial settings. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2016, 374, 20150056.	1.6	24
24	The BAS hot water drill: development and current design. <i>Cold Regions Science and Technology</i> , 1993, 22, 121-132.	1.6	22
25	Rutford Ice Stream, Antarctica. <i>Antarctic Research Series</i> , 0, , 221-235.	0.2	20
26	Clean subglacial access: prospects for future deep hot-water drilling. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2016, 374, 20140304.	1.6	19
27	Rock debris in an Antarctic ice shelf. <i>Annals of Glaciology</i> , 2012, 53, 235-240.	2.8	15
28	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. <i>Annals of Glaciology</i> , 2021, 62, 203-211.	2.8	15
29	Observations of Thermohaline Convection adjacent to Brunt Ice Shelf. <i>Journal of Physical Oceanography</i> , 2012, 42, 502-508.	0.7	13
30	Observations of Tidal Melt and Vertical Strain at the Filchner-Ronne Ice Shelf, Antarctica. <i>Journal of Geophysical Research F: Earth Surface</i> , 2020, 125, e2019JF005280.	1.0	13
31	Development of a clean hot water drill to access Subglacial Lake CECs, West Antarctica. <i>Annals of Glaciology</i> , 2021, 62, 250-262.	2.8	12
32	History of the Larsen C Ice Shelf reconstructed from sub-ice shelf and offshore sediments. <i>Geology</i> , 2021, 49, 978-982.	2.0	11
33	Ellsworth Subglacial Lake, West Antarctica: A review of its history and recent field campaigns. <i>Geophysical Monograph Series</i> , 2011, , 221-233.	0.1	11
34	The BEAMISH hot water drill system and its use on the Rutford Ice Stream, Antarctica. <i>Annals of Glaciology</i> , 2021, 62, 233-249.	2.8	9
35	Probe technology for the direct measurement and sampling of Ellsworth Subglacial Lake. <i>Geophysical Monograph Series</i> , 2011, , 159-186.	0.1	8
36	Strong tidal variations in ice flow observed across the entire Ronne Ice Shelf and adjoining ice streams. <i>Earth System Science Data</i> , 2017, 9, 849-860.	3.7	8

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37	Modelling the impact of ocean warming on melting and water masses of ice shelves in the Eastern Weddell Sea. <i>Ocean Dynamics</i> , 2010, 60, 479-489.	0.9	7
38	Estimating and managing blowout risk during access to subglacial Antarctic lakes. <i>Antarctic Science</i> , 2013, 25, 107-118.	0.5	6
39	Measuring Turbulent Dissipation Rates Beneath an Antarctic Ice Shelf. <i>Marine Technology Society Journal</i> , 2014, 48, 18-24.	0.3	5
40	A new percussion hammer mechanism for a borehole deployable subglacial sediment corer. <i>Annals of Glaciology</i> , 0, , 1-5.	2.8	4
41	The oceanic environment beneath the northwest Ronne Ice Shelf, Antarctica. <i>Annals of Glaciology</i> , 1994, 20, 386-390.	2.8	4
42	The oceanic environment beneath the northwest Ronne Ice Shelf, Antarctica. <i>Annals of Glaciology</i> , 1994, 20, 386-390.	2.8	4
43	The oceanic environment beneath the northwest Ronne Ice Shelf, Antarctica. <i>Annals of Glaciology</i> , 1994, 20, 386-390.	2.8	2
44	Non-contact measurement system for hot water drilled ice boreholes. <i>Annals of Glaciology</i> , 0, , 1-10.	2.8	0