A M Brisbourne

List of Publications by Year
in descending order

31	641	623574	610775
papers	citations	14 h-index	24 g-index

64	64	64	985
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Diverse landscapes beneath Pine Island Glacier influence ice flow. Nature Communications, 2017, 8, 1618.	5.8	53
2	Oceanic and atmospheric forcing of Larsen C Ice-Shelf thinning. Cryosphere, 2015, 9, 1005-1024.	1.5	50
3	Seismic emissions from a surging glacier: Bakaninbreen, Svalbard. Annals of Glaciology, 2005, 42, 151-157.	2.8	46
4	Ice fabric in an Antarctic ice stream interpreted from seismic anisotropy. Geophysical Research Letters, 2017, 44, 3710-3718.	1.5	45
5	Seabed topography beneath Larsen C Ice Shelf from seismic soundings. Cryosphere, 2014, 8, 1-13.	1.5	38
6	Anisotropic structure of the Hikurangi subduction zone, New Zealand-integrated interpretation of surface-wave andbody-wave observations. Geophysical Journal International, 1999, 137, 214-230.	1.0	37
7	Mapping the iceâ€bed interface characteristics of Rutford Ice Stream, West Antarctica, using microseismicity. Journal of Geophysical Research F: Earth Surface, 2015, 120, 1881-1894.	1.0	37
8	Distributed Acoustic Sensing (DAS) for Natural Microseismicity Studies: A Case Study From Antarctica. Journal of Geophysical Research: Solid Earth, 2021, 126, e2020JB021493.	1.4	36
9	Deep crustal melt plumbing of BÃ¡rÃ°arbunga volcano, Iceland. Geophysical Research Letters, 2017, 44, 8785-8794.	1.5	32
10	Bed conditions of Pine Island Glacier, West Antarctica. Journal of Geophysical Research F: Earth Surface, 2017, 122, 419-433.	1.0	30
11	Constraining Recent Ice Flow History at Korff Ice Rise, West Antarctica, Using Radar and Seismic Measurements of Ice Fabric. Journal of Geophysical Research F: Earth Surface, 2019, 124, 175-194.	1.0	28
12	A New Bathymetry for the Southeastern Filchnerâ€Ronne Ice Shelf: Implications for Modern Oceanographic Processes and Glacial History. Journal of Geophysical Research: Oceans, 2018, 123, 4610-4623.	1.0	22
13	Icequake Source Mechanisms for Studying Glacial Sliding. Journal of Geophysical Research F: Earth Surface, 2020, 125, e2020JF005627.	1.0	18
14	Shear-wave velocity structure beneath North Island, New Zealand, from Rayleigh-wave interstation phase velocities. Geophysical Journal International, 1998, 133, 175-184.	1.0	16
15	Not all Icequakes are Created Equal: Basal Icequakes Suggest Diverse Bed Deformation Mechanisms at Rutford Ice Stream, West Antarctica. Journal of Geophysical Research F: Earth Surface, 2021, 126, e2020JF006001.	1.0	16
16	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
17	How dynamic are ice-stream beds?. Cryosphere, 2018, 12, 1615-1628.	1.5	11
18	Automated detection of basal icequakes and discrimination from surface crevassing. Annals of Glaciology, 2019, 60, 167-181.	2.8	11

#	Article	IF	Citations
19	A joint inversion of receiver function and Rayleigh wave phase velocity dispersion data to estimate crustal structure in West Antarctica. Geophysical Journal International, 2020, 223, 1644-1657.	1.0	11
20	Downhole distributed acoustic seismic profiling at Skytrain Ice Rise, West Antarctica. Cryosphere, 2021, 15, 3443-3458.	1.5	11
21	Mapping Crustal Shear Wave Velocity Structure and Radial Anisotropy Beneath West Antarctica Using Seismic Ambient Noise. Geochemistry, Geophysics, Geosystems, 2019, 20, 5014-5037.	1.0	10
22	The search for seismic signatures of movement at the glacier bed in a polythermal valley glacier. Annals of Glaciology, 2013, 54, 149-156.	2.8	9
23	The Hudson Bay Lithospheric Experiment. Astronomy and Geophysics, 2011, 52, 6.21-6.24.	0.1	8
24	An updated seabed bathymetry beneath Larsen C Ice Shelf, Antarctic Peninsula. Earth System Science Data, 2020, 12, 887-896.	3.7	8
25	Subglacial lakes and hydrology across the Ellsworth Subglacial Highlands, West Antarctica. Cryosphere, 2020, 14, 4507-4524.	1.5	8
26	Contrasting Hydrological Controls on Bed Properties During the Acceleration of Pine Island Glacier, West Antarctica. Journal of Geophysical Research F: Earth Surface, 2019, 124, 80-96.	1.0	5
27	Breaking the Ice: Identifying Hydraulically Forced Crevassing. Geophysical Research Letters, 2020, 47, e2020GL090597.	1.5	5
28	Radar Characterization of Ice Crystal Orientation Fabric and Anisotropic Viscosity Within an Antarctic Ice Stream. Journal of Geophysical Research F: Earth Surface, 2022, 127, .	1.0	5
29	Sensitivity of Melting, Freezing and Marine Ice Beneath Larsen C Ice Shelf to Changes in Ocean Forcing. Geophysical Research Letters, 2022, 49, .	1.5	4
30	Radar Derived Subglacial Properties and Landforms Beneath Rutford Ice Stream, West Antarctica. Journal of Geophysical Research F: Earth Surface, 2022, 127, .	1.0	2
31	Non-contact measurement system for hot water drilled ice boreholes. Annals of Glaciology, 0, , 1-10.	2.8	0