

Natalie J Robinson

List of Publications by Year in descending order

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Version: 2024-02-01

14
papers

538
citations

840776

11
h-index

1058476

14
g-index

17
all docs

17
docs citations

17
times ranked

558
citing authors

#	ARTICLE	IF	CITATIONS
1	Observations of flow and ice-ocean interaction beneath the McMurdo Ice Shelf, Antarctica. Journal of Geophysical Research, 2010, 115, .	3.3	86
2	The seasonal appearance of ice shelf water in coastal Antarctica and its effect on sea ice growth. Journal of Geophysical Research, 2011, 116, .	3.3	64
3	Observed platelet ice distributions in Antarctic sea ice: An index for ocean-ice shelf heat flux. Geophysical Research Letters, 2015, 42, 5442-5451.	4.0	64
4	Observation and modeling of platelet ice fabric in McMurdo Sound, Antarctica. Journal of Geophysical Research, 2010, 115, .	3.3	63
5	Signatures of supercooling: McMurdo Sound platelet ice. Journal of Glaciology, 2012, 58, 38-50.	2.2	60
6	Evolution of a supercooled Ice Shelf Water plume with an actively growing subice platelet matrix. Journal of Geophysical Research: Oceans, 2014, 119, 3425-3446.	2.6	48
7	Ocean mixing and heat transport processes observed under the Ross Ice Shelf control its basal melting. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 16799-16804.	7.1	32
8	Observations of turbulence beneath sea ice in southern McMurdo Sound, Antarctica. Ocean Science, 2009, 5, 435-445.	3.4	25
9	A Wedge Mechanism for Summer Surface Water Inflow Into the Ross Ice Shelf Cavity. Journal of Geophysical Research: Oceans, 2019, 124, 1196-1214.	2.6	25
10	A synthesis of thermodynamic ablation at ice-ocean interfaces from theory, observations and models. Ocean Modelling, 2020, 154, 101692.	2.4	22
11	Observations of amplified roughness from crystal accretion in the sub-ice ocean boundary layer. Geophysical Research Letters, 2017, 44, 1814-1822.	4.0	19
12	Turbulent heat transfer as a control of platelet ice growth in supercooled under-ice ocean boundary layers. Ocean Science, 2016, 12, 507-515.	3.4	11
13	The connections between art and science in Antarctica: Activating Science*Art. Polar Record, 2019, 55, 289-296.	0.8	11
14	Observations of the Size Distribution of Frazil Ice in an Ice Shelf Water Plume. Geophysical Research Letters, 2020, 47, e2020GL090498.	4.0	6