

Inga J Smith

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2707828/publications.pdf>

Version: 2024-02-01

20
papers

520
citations

840776

11
h-index

752698

20
g-index

20
all docs

20
docs citations

20
times ranked

1081
citing authors

#	ARTICLE	IF	CITATIONS
1	Sub-ice Platelet Layer Physics: Insights From a Mushy-layer Sea Ice Model. <i>Journal of Geophysical Research: Oceans</i> , 2021, 126, e2019JC015918.	2.6	2
2	Platelet ice, the Southern Ocean's hidden ice: a review. <i>Annals of Glaciology</i> , 2020, 61, 341-368.	1.4	30
3	Sea Ice Formation in a Coupled Climate Model Including Grease Ice. <i>Journal of Advances in Modeling Earth Systems</i> , 2020, 12, e2020MS002103.	3.8	5
4	Climate Response to Increasing Antarctic Iceberg and Ice Shelf Melt. <i>Journal of Climate</i> , 2020, 33, 8917-8938.	3.2	16
5	Interactions between Increasing CO ₂ and Antarctic Melt Rates. <i>Journal of Climate</i> , 2020, 33, 8939-8956.	3.2	1
6	Delivering Sustained, Coordinated, and Integrated Observations of the Southern Ocean for Global Impact. <i>Frontiers in Marine Science</i> , 2019, 6, .	2.5	67
7	Estimation of Antarctic Land-fast Sea Ice Algal Biomass and Snow Thickness From Under-ice Radiance Spectra in Two Contrasting Areas. <i>Journal of Geophysical Research: Oceans</i> , 2018, 123, 1907-1923.	2.6	22
8	Brine Convection, Temperature Fluctuations, and Permeability in Winter Antarctic Land-fast Sea Ice. <i>Journal of Geophysical Research: Oceans</i> , 2018, 123, 216-230.	2.6	9
9	Using electron backscatter diffraction to measure full crystallographic orientation in Antarctic land-fast sea ice. <i>Journal of Glaciology</i> , 2018, 64, 771-780.	2.2	5
10	Sea ice growth rates from tide-driven visible banding. <i>Journal of Geophysical Research: Oceans</i> , 2017, 122, 4675-4684.	2.6	2
11	Time-Dependent Freshwater Input From Ice Shelves: Impacts on Antarctic Sea Ice and the Southern Ocean in an Earth System Model. <i>Geophysical Research Letters</i> , 2017, 44, 10,454.	4.0	40
12	Measurements of Ice Shelf Water beneath the front of the Ross Ice Shelf using gliders. <i>Annals of Glaciology</i> , 2017, 58, 41-50.	1.4	8
13	Turbulent heat transfer as a control of platelet ice growth in supercooled under-ice ocean boundary layers. <i>Ocean Science</i> , 2016, 12, 507-515.	3.4	11
14	The Response of the Southern Ocean and Antarctic Sea Ice to Freshwater from Ice Shelves in an Earth System Model. <i>Journal of Climate</i> , 2016, 29, 1655-1672.	3.2	87
15	A framework for estimating anchor ice extent at potential formation sites in McMurdo Sound, Antarctica. <i>Annals of Glaciology</i> , 2015, 56, 394-404.	1.4	1
16	Observed platelet ice distributions in Antarctic sea ice: An index for ocean-ice shelf heat flux. <i>Geophysical Research Letters</i> , 2015, 42, 5442-5451.	4.0	64
17	Anchor ice in polar oceans. <i>Progress in Physical Geography</i> , 2013, 37, 468-483.	3.2	22
18	Oxygen isotope fractionation during the freezing of sea water. <i>Journal of Glaciology</i> , 2013, 59, 697-710.	2.2	33

#	ARTICLE	IF	CITATIONS
19	Platelet ice and the land-fast sea ice of McMurdo Sound, Antarctica. <i>Annals of Glaciology</i> , 2001, 33, 21-27.	1.4	65
20	Heat transport in McMurdo Sound first-year fast ice. <i>Journal of Geophysical Research</i> , 2000, 105, 11347-11358.	3.3	30