

Oliver J Marsh

List of Publications by Year in descending order

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Version: 2024-02-01

17
papers

366
citations

933447

10
h-index

888059

17
g-index

26
all docs

26
docs citations

26
times ranked

525
citing authors

#	ARTICLE	IF	CITATIONS
1	High basal melting forming a channel at the grounding line of Ross Ice Shelf, Antarctica. <i>Geophysical Research Letters</i> , 2016, 43, 250-255.	4.0	72
2	Ocean Stratification and Low Melt Rates at the Ross Ice Shelf Grounding Zone. <i>Journal of Geophysical Research: Oceans</i> , 2018, 123, 7438-7452.	2.6	61
3	Diverse landscapes beneath Pine Island Glacier influence ice flow. <i>Nature Communications</i> , 2017, 8, 1618.	12.8	53
4	Tidally induced velocity variations of the Beardmore Glacier, Antarctica, and their representation in satellite measurements of ice velocity. <i>Cryosphere</i> , 2013, 7, 1375-1384.	3.9	32
5	Sea ice freeboard in McMurdo Sound, Antarctica, derived by surface-validated ICESat laser altimeter data. <i>Journal of Geophysical Research: Oceans</i> , 2013, 118, 3634-3650.	2.6	20
6	Analysis of ice shelf flexure and its InSAR representation in the grounding zone of the southern McMurdo Ice Shelf. <i>Cryosphere</i> , 2017, 11, 2481-2490.	3.9	18
7	On the interpretation of ice-shelf flexure measurements. <i>Journal of Glaciology</i> , 2017, 63, 783-791.	2.2	17
8	Grounding-zone ice thickness from InSAR: Inverse modelling of tidal elastic bending. <i>Journal of Glaciology</i> , 2014, 60, 526-536.	2.2	16
9	Viscosity and elasticity: a model intercomparison of ice-shelf bending in an Antarctic grounding zone. <i>Journal of Glaciology</i> , 2017, 63, 573-580.	2.2	15
10	Unraveling InSAR Observed Antarctic Ice-Shelf Flexure Using 2-D Elastic and Viscoelastic Modeling. <i>Frontiers in Earth Science</i> , 2018, 6, .	1.8	12
11	A new perspective on the longitudinal variability of the semidiurnal tide. <i>Geophysical Research Letters</i> , 2010, 37, .	4.0	10
12	Parker Ice Tongue Collapse, Antarctica, Triggered by Loss of Stabilizing Landfast Sea Ice. <i>Geophysical Research Letters</i> , 2022, 49, .	4.0	9
13	Atmospheric Triggers of the Brunt Ice Shelf Calving in February 2021. <i>Journal of Geophysical Research D: Atmospheres</i> , 2022, 127, .	3.3	8
14	Basal conditions of two Transantarctic Mountains outlet glaciers from observation-constrained diagnostic modelling. <i>Journal of Glaciology</i> , 2014, 60, 855-866.	2.2	6
15	Differential interferometric synthetic aperture radar for tide modelling in Antarctic ice-shelf grounding zones. <i>Cryosphere</i> , 2019, 13, 3171-3191.	3.9	6
16	Grounding-zone Flow Variability of Priestley Glacier, Antarctica, in a Diurnal Tidal Regime. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL093853.	4.0	5
17	Morphological changes to the terminus of a maritime glacier during advance and retreat phases: Fox Glacier/Te Moeka o Tuawe, New Zealand. <i>Geografiska Annaler, Series A: Physical Geography</i> , 2021, 103, 167-185.	1.5	4