

# Oliver J Marsh

## List of Publications by Year in descending order

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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	Parker Ice Tongue Collapse, Antarctica, Triggered by Loss of Stabilizing Landâ€Fast Sea Ice. <i>Geophysical Research Letters</i> , 2022, 49, .	4.0	9
2	Atmospheric Triggers of the Brunt Ice Shelf Calving in February 2021. <i>Journal of Geophysical Research D: Atmospheres</i> , 2022, 127, .	3.3	8
3	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
4	Groundingâ€Zone Flow Variability of Priestley Glacier, Antarctica, in a Diurnal Tidal Regime. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL093853.	4.0	5
5	Differential interferometric synthetic aperture radar for tide modelling in Antarctic ice-shelf grounding zones. <i>Cryosphere</i> , 2019, 13, 3171-3191.	3.9	6
6	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
7	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
8	Diverse landscapes beneath Pine Island Glacier influence ice flow. <i>Nature Communications</i> , 2017, 8, 1618.	12.8	53
9	On the interpretation of ice-shelf flexure measurements. <i>Journal of Glaciology</i> , 2017, 63, 783-791.	2.2	17
10	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
11	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
12	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
13	Grounding-zone ice thickness from InSAR: Inverse modelling of tidal elastic bending. <i>Journal of Glaciology</i> , 2014, 60, 526-536.	2.2	16
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	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
16	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
17	A new perspective on the longitudinal variability of the semidiurnal tide. <i>Geophysical Research Letters</i> , 2010, 37, .	4.0	10