Donald A Slater

List of Publications by Year
in descending order

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28 papers	1,555 citations	394390 19 h-index	501174 28 g-index
46 all docs	46 docs citations	46 times ranked	1618 citing authors

#	Article	IF	Citations
1	Export of Ice Sheet Meltwater from Upernavik Fjord, West Greenland. Journal of Physical Oceanography, 2022, 52, 363-382.	1.7	8
2	Nordic Seas Heat Loss, Atlantic Inflow, and Arctic Sea Ice Cover Over the Last Century. Reviews of Geophysics, 2022, 60, .	23.0	43
3	Characteristic Depths, Fluxes, and Timescales for Greenland's Tidewater Glacier Fjords From Subglacial Dischargeâ€Driven Upwelling During Summer. Geophysical Research Letters, 2022, 49, .	4.0	11
4	Projected land ice contributions to twenty-first-century sea level rise. Nature, 2021, 593, 74-82.	27.8	200
5	Calving Multiplier Effect Controlled by Melt Undercut Geometry. Journal of Geophysical Research F: Earth Surface, 2021, 126, e2021JF006191.	2.8	14
6	Future Sea Level Change Under Coupled Model Intercomparison Project Phase 5 and Phase 6 Scenarios From the Greenland and Antarctic Ice Sheets. Geophysical Research Letters, 2021, 48, e2020GL091741.	4.0	28
7	Helheim Glacier Poised for Dramatic Retreat. Geophysical Research Letters, 2021, 48, e2021GL094546.	4.0	8
8	Subglacial Drainage Evolution Modulates Seasonal Ice Flow Variability of Three Tidewater Glaciers in Southwest Greenland. Journal of Geophysical Research F: Earth Surface, 2020, 125, e2019JF005492.	2.8	23
9	Coupled modelling of subglacial hydrology and calving-front melting at Store Glacier, West Greenland. Cryosphere, 2020, 14, 905-924.	3.9	22
10	Twenty-first century ocean forcing of the Greenland ice sheet for modelling of sea level contribution. Cryosphere, 2020, 14, 985-1008.	3.9	51
11	Heat stored in the Earth system: where does the energy go?. Earth System Science Data, 2020, 12, 2013-2041.	9.9	181
12	Surface emergence of glacial plumes determined by fjord stratification. Cryosphere, 2020, 14, 1951-1969.	3.9	25
13	Experimental protocol for sea level projections from ISMIP6 stand-alone ice sheet models. Cryosphere, 2020, 14, 2331-2368.	3.9	72
14	The future sea-level contribution of the Greenland ice sheet: a multi-model ensemble study of ISMIP6. Cryosphere, 2020, 14, 3071-3096.	3.9	144
15	Spatio-temporal variations in seasonal ice tongue submarine melt rate at a tidewater glacier in southwest Greenland. Journal of Glaciology, 2019, 65, 523-530.	2.2	1
16	Estimating Greenland tidewater glacier retreat driven by submarine melting. Cryosphere, 2019, 13, 2489-2509.	3.9	60
17	Large spatial variations in the flux balance along the front of a Greenland tidewater glacier. Cryosphere, 2019, 13, 911-925.	3.9	17
18	A Fullâ€Stokes 3â€D Calving Model Applied to a Large Greenlandic Glacier. Journal of Geophysical Research F: Earth Surface, 2018, 123, 410-432.	2.8	54

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19	Localized Plumes Drive Frontâ€Wide Ocean Melting of A Greenlandic Tidewater Glacier. Geophysical Research Letters, 2018, 45, 12,350.	4.0	58
20	Linear response of east Greenlandâ€™s tidewater glaciers to ocean/atmosphere warming. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 7907-7912.	7.1	51
21	A model for tidewater glacier undercutting by submarine melting. Geophysical Research Letters, 2017, 44, 2360-2368.	4.0	40
22	Spatially distributed runoff at the grounding line of a large Greenlandic tidewater glacier inferred from plume modelling. Journal of Glaciology, 2017, 63, 309-323.	2.2	34
23	Estimating Spring Terminus Submarine Melt Rates at a Greenlandic Tidewater Glacier Using Satellite Imagery. Frontiers in Earth Science, 2017, 5, .	1.8	5
24	Recent Advances in Our Understanding of the Role of Meltwater in the Greenland Ice Sheet System. Current Climate Change Reports, 2017, 3, 330-344.	8.6	73
25	Controls on the transport of oceanic heat to Kangerdlugssuaq Glacier, East Greenland. Journal of Glaciology, 2016, 62, 1167-1180.	2.2	33
26	Scalings for Submarine Melting at Tidewater Glaciers from Buoyant Plume Theory. Journal of Physical Oceanography, 2016, 46, 1839-1855.	1.7	73
27	Effect of nearâ€terminus subglacial hydrology on tidewater glacier submarine melt rates. Geophysical Research Letters, 2015, 42, 2861-2868.	4.0	102
28	Modeling the impact of glacial runoff on fjord circulation and submarine melt rate using a new subgridâ€scale parameterization for glacial plumes. Journal of Geophysical Research: Oceans, 2015, 120, 796-812.	2.6	100