Paul R Holland

List of Publications by Year
in descending order

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43 papers	3,242 citations	186265 28 h-index	254184 43 g-index
43 all docs	43 docs citations	43 times ranked	3024 citing authors

#	Article	IF	Citations
1	Sea-Level Rise: From Global Perspectives to Local Services. Frontiers in Marine Science, 2022, 8, .	2.5	33
2	Sensitivity of Melting, Freezing and Marine Ice Beneath Larsen C Ice Shelf to Changes in Ocean Forcing. Geophysical Research Letters, 2022, 49, .	4.0	4
3	Simulated Twentiethâ€Century Ocean Warming in the Amundsen Sea, West Antarctica. Geophysical Research Letters, 2022, 49, .	4.0	31
4	Remote Control of Filchnerâ€Ronne Ice Shelf Melt Rates by the Antarctic Slope Current. Journal of Geophysical Research: Oceans, 2021, 126, e2020JC016550.	2.6	19
5	Two-timescale response of a large Antarctic ice shelf to climate change. Nature Communications, 2021, 12, 1991.	12.8	45
6	Tropical teleconnection impacts on Antarctic climate changes. Nature Reviews Earth & Environment, 2021, 2, 680-698.	29.7	85
7	Coupling the U.K. Earth System Model to Dynamic Models of the Greenland and Antarctic Ice Sheets. Journal of Advances in Modeling Earth Systems, 2021, 13, e2021MS002520.	3.8	19
8	Recent recovery of Antarctic Bottom Water formation in the Ross Sea driven by climate anomalies. Nature Geoscience, 2020, 13, 780-786.	12.9	70
9	Control of the Oceanic Heat Content of the Getzâ€Dotson Trough, Antarctica, by the Amundsen Sea Low. Journal of Geophysical Research: Oceans, 2020, 125, e2020JC016113.	2.6	23
10	The Impact of the Amundsen Sea Freshwater Balance on Ocean Melting of the West Antarctic Ice Sheet. Journal of Geophysical Research: Oceans, 2020, 125, e2020JC016305.	2.6	20
11	West Antarctic ice loss influenced by internal climate variability and anthropogenic forcing. Nature Geoscience, 2019, 12, 718-724.	12.9	157
12	Wind-Driven Processes Controlling Oceanic Heat Delivery to the Amundsen Sea, Antarctica. Journal of Physical Oceanography, 2019, 49, 2829-2849.	1.7	28
13	Responses of sub-ice platelet layer thickening rate and frazil-ice concentration to variations in ice-shelf water supercooling in McMurdo Sound, Antarctica. Cryosphere, 2019, 13, 265-280.	3.9	8
14	The Effects of Enhanced Sea Ice Export from the Ross Sea on Recent Cooling and Freshening of the Southeast Pacific. Journal of Climate, 2019, 32, 2013-2035.	3.2	28
15	Sources, variability and fate of freshwater in the Bellingshausen Sea, Antarctica. Deep-Sea Research Part I: Oceanographic Research Papers, 2018, 133, 59-71.	1.4	14
16	Oceanâ€Forced Iceâ€Shelf Thinning in a Synchronously Coupled Iceâ€Ocean Model. Journal of Geophysical Research: Oceans, 2018, 123, 864-882.	2.6	22
17	The Arctic sea ice cover of 2016: aÂyear of record-low highs and higher-than-expected lows. Cryosphere, 2018, 12, 433-452.	3.9	56
18	Variability of the Ross Gyre, Southern Ocean: Drivers and Responses Revealed by Satellite Altimetry. Geophysical Research Letters, 2018, 45, 6195-6204.	4.0	58

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19	The Transient Response of Ice Shelf Melting to Ocean Change. Journal of Physical Oceanography, 2017, 47, 2101-2114.	1.7	18
20	The impacts of El NiÃ±o on the observed sea ice budget of West Antarctica. Geophysical Research Letters, 2017, 44, 6200-6208.	4.0	27
21	Oceanographic Controls on the Variability of Iceâ€Shelf Basal Melting and Circulation of Glacial Meltwater in the Amundsen Sea Embayment, Antarctica. Journal of Geophysical Research: Oceans, 2017, 122, 10131-10155.	2.6	49
22	Experimental design for three interrelated marine ice sheet and ocean model intercomparison projects: MISMIP v. 3 (MISMIP +), ISOMIP v. 2 (ISOMIP +) and MISOMIP v. 1 (MISOMIP1). Geoscientific Model Development, 2016, 9, 2471-2497.	3.6	106
23	Observed Concentration Budgets of Arctic and Antarctic Sea Ice. Journal of Climate, 2016, 29, 5241-5249.	3.2	37
24	The thermodynamic balance of the Weddell Gyre. Geophysical Research Letters, 2016, 43, 317-325.	4.0	38
25	Water-mass transformation by sea ice in the upper branch of the Southern OceanÂoverturning. Nature Geoscience, 2016, 9, 596-601.	12.9	199
26	Model sensitivity of the Weddell and Ross seas, Antarctica, to vertical mixing and freshwater forcing. Ocean Modelling, 2015, 94, 141-152.	2.4	40
27	Strong Sensitivity of Pine Island Ice-Shelf Melting to Climatic Variability. Science, 2014, 343, 174-178.	12.6	333
28	Modeled Trends in Antarctic Sea Ice Thickness. Journal of Climate, 2014, 27, 3784-3801.	3.2	78
29	Rapid sea-level rise along the Antarctic margins inÂresponse to increased glacial discharge. Nature Geoscience, 2014, 7, 732-735.	12.9	78
30	The seasonality of Antarctic sea ice trends. Geophysical Research Letters, 2014, 41, 4230-4237.	4.0	115
31	Adaptation of an unstructured-mesh, finite-element ocean model to the simulation of ocean circulation beneath ice shelves. Ocean Modelling, 2013, 67, 39-51.	2.4	21
32	Decadal Freshening of the Antarctic Bottom Water Exported from the Weddell Sea. Journal of Climate, 2013, 26, 8111-8125.	3.2	57
33	Eddy-Driven Exchange between the Open Ocean and a Subâ€“Ice Shelf Cavity. Journal of Physical Oceanography, 2013, 43, 2372-2387.	1.7	34
34	Impact of Atmospheric Forcing on Antarctic Continental Shelf Water Masses. Journal of Physical Oceanography, 2013, 43, 920-940.	1.7	51
35	The effect of basal channels on oceanic iceâ€shelf melting. Journal of Geophysical Research: Oceans, 2013, 118, 6951-6964.	2.6	49
36	Ice-shelf basal channels in a coupled ice/ocean model. Journal of Glaciology, 2012, 58, 1227-1244.	2.2	76

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37	Wind-driven trends in Antarctic sea-ice drift. Nature Geoscience, 2012, 5, 872-875.	12.9	468
38	Ice and ocean processes in the Bellingshausen Sea, Antarctica. Journal of Geophysical Research, 2010, 115, .	3.3	104
39	Marine ice in Larsen Ice Shelf. Geophysical Research Letters, 2009, 36, .	4.0	122
40	A model of tidally dominated ocean processes near ice shelf grounding lines. Journal of Geophysical Research, 2008, 113, .	3.3	26
41	The Response of Ice Shelf Basal Melting to Variations in Ocean Temperature. Journal of Climate, 2008, 21, 2558-2572.	3.2	229
42	Numerical modeling of oceanâ€ice interactions under Pine Island Bay's ice shelf. Journal of Geophysical Research, 2007, 112, .	3.3	117
43	The Effects of Rotation and Ice Shelf Topography on Frazil-Laden Ice Shelf Water Plumes. Journal of Physical Oceanography, 2006, 36, 2312-2327.	1.7	50