

Scott R Springer

List of Publications by Year in descending order

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Version: 2024-02-01

14
papers

601
citations

1040056

9
h-index

1058476

14
g-index

16
all docs

16
docs citations

16
times ranked

1089
citing authors

#	ARTICLE	IF	CITATIONS
1	Ice-shelf collapse from subsurface warming as a trigger for Heinrich events. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 13415-13419.	7.1	278
2	Ross Ice Shelf response to climate driven by the tectonic imprint on seafloor bathymetry. Nature Geoscience, 2019, 12, 441-449.	12.9	88
3	Ocean variability contributing to basal melt rate near the ice front of Ross Ice Shelf, Antarctica. Journal of Geophysical Research: Oceans, 2014, 119, 4214-4233.	2.6	57
4	Oceanic heat content variability in the tropical Pacific during the 1982-1983 El Niño. Journal of Geophysical Research, 1990, 95, 22089-22101.	3.3	33
5	Orthobaric Density: A Thermodynamic Variable for Ocean Circulation Studies. Journal of Physical Oceanography, 2000, 30, 2830-2852.	1.7	29
6	Evolution of the Seasonal Surface Mixed Layer of the Ross Sea, Antarctica, Observed With Autonomous Profiling Floats. Journal of Geophysical Research: Oceans, 2019, 124, 4934-4953.	2.6	29
7	A nested grid model of the Oregon Coastal Transition Zone: Simulations and comparisons with observations during the 2001 upwelling season. Journal of Geophysical Research, 2009, 114, .	3.3	26
8	Sensitivity of wind-driven tropical Pacific Ocean simulations on seasonal and interannual time scales. Journal of Marine Systems, 1990, 1, 119-154.	2.1	18
9	Topographic vorticity waves forced by Antarctic dense shelf water outflows. Geophysical Research Letters, 2014, 41, 1247-1254.	4.0	13
10	The Materiality and Neutrality of Neutral Density and Orthobaric Density. Journal of Physical Oceanography, 2009, 39, 1779-1799.	1.7	9
11	Nonlinear and dissipative dynamics in the connection region between western boundary currents and equatorial currents. Journal of Geophysical Research, 1993, 98, 12511-12525.	3.3	7
12	Annual cycle in flow of Ross Ice Shelf, Antarctica: contribution of variable basal melting. Journal of Glaciology, 2020, 66, 861-875.	2.2	7
13	The all-Atlantic temperature-salinity-pressure relation and patched potential density. Journal of Marine Research, 2005, 63, 59-93.	0.3	5
14	A diapycnal diffusion algorithm for isopycnal ocean circulation models with special application to mixed layers. Ocean Modelling, 2003, 5, 297-323.	2.4	2