

M R Palmer

List of Publications by Year in descending order

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Version: 2024-02-01

36
papers

973
citations

430874

18
h-index

454955

30
g-index

49
all docs

49
docs citations

49
times ranked

1323
citing authors

#	ARTICLE	IF	CITATIONS
1	The Three Rs: Resolving Respiration Robotically in Shelf Seas. <i>Geophysical Research Letters</i> , 2022, 49, .	4.0	4
2	Locally Modified Winds Regulate Circulation in a Semi-Enclosed Shelf Sea. <i>Journal of Geophysical Research: Oceans</i> , 2022, 127, .	2.6	1
3	Climatic Controls on the Spring Phytoplankton Growing Season in a Temperate Shelf Sea. <i>Journal of Geophysical Research: Oceans</i> , 2022, 127, .	2.6	1
4	Towards a Multi-Platform Assimilative System for North Sea Biogeochemistry. <i>Journal of Geophysical Research: Oceans</i> , 2021, 126, e2020JC016649.	2.6	10
5	Control of a phytoplankton bloom by wind-driven vertical mixing and light availability. <i>Limnology and Oceanography</i> , 2021, 66, 1926-1949.	3.1	21
6	Shelf Seas Baroclinic Energy Loss: Pycnocline Mixing and Bottom Boundary Layer Dissipation. <i>Journal of Geophysical Research: Oceans</i> , 2021, 126, e2020JC016528.	2.6	6
7	Managing emerging fisheries of the North Kenya Banks in the context of environmental change. <i>Ocean and Coastal Management</i> , 2021, 209, 105671.	4.4	8
8	Marine robots for coastal ocean research in the Western Indian Ocean. <i>Ocean and Coastal Management</i> , 2021, 212, 105805.	4.4	6
9	Simultaneous assessment of oxygen- and nitrate-based net community production in a temperate shelf sea from a single ocean glider. <i>Biogeosciences</i> , 2021, 18, 6167-6180.	3.3	4
10	Interannual monsoon wind variability as a key driver of East African small pelagic fisheries. <i>Scientific Reports</i> , 2020, 10, 13247.	3.3	19
11	The small pelagic fishery of the Pemba Channel, Tanzania: What we know and what we need to know for management under climate change. <i>Ocean and Coastal Management</i> , 2020, 197, 105322.	4.4	29
12	Shelf-Break Upwelling and Productivity Over the North Kenya Banks: The Importance of Large-Scale Ocean Dynamics. <i>Journal of Geophysical Research: Oceans</i> , 2020, 125, e2019JC015519.	2.6	29
13	Challenging Vertical Turbulence Mixing Schemes in a Tidally Energetic Environment: 1. 3D Shelf-Sea Model Assessment. <i>Journal of Geophysical Research: Oceans</i> , 2019, 124, 6360-6387.	2.6	11
14	OceanGliders: A Component of the Integrated GOOS. <i>Frontiers in Marine Science</i> , 2019, 6, .	2.5	83
15	Evolution of Oceanic Near-Surface Stratification in Response to an Autumn Storm. <i>Journal of Physical Oceanography</i> , 2019, 49, 2961-2978.	1.7	10
16	The perturbation method - A novel large-eddy simulation technique to model realistic turbulence: Application to tidal flow. <i>Ocean Modelling</i> , 2019, 135, 31-39.	2.4	4
17	Annual Cycle of Turbulent Dissipation Estimated from Seagliders. <i>Geophysical Research Letters</i> , 2018, 45, 10,560.	4.0	18
18	The Evolution of the Silver Hills Volcanic Center, and Revised $^{40}\text{Ar}/^{39}\text{Ar}$ Geochronology of Montserrat, Lesser Antilles, With Implications for Island Arc Volcanism. <i>Geochemistry, Geophysics, Geosystems</i> , 2018, 19, 427-452.	2.5	9

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19	Glider observations of enhanced deep water upwelling at a shelf break canyon: A mechanism for cross-slope carbon and nutrient exchange. <i>Journal of Geophysical Research: Oceans</i> , 2016, 121, 7575-7588.	2.6	16
20	Internal tides and tidal cycles of vertical mixing in western Long Island Sound. <i>Journal of Geophysical Research: Oceans</i> , 2016, 121, 1063-1084.	2.6	8
21	Baroclinic energy flux at the continental shelf edge modified by wind-mixing. <i>Geophysical Research Letters</i> , 2015, 42, 1826-1833.	4.0	9
22	Storms modify baroclinic energy fluxes in a seasonally stratified shelf sea: Inertial-tidal interaction. <i>Journal of Geophysical Research: Oceans</i> , 2014, 119, 6863-6883.	2.6	22
23	Impact of vertical mixing on sea surface pCO ₂ in temperate seasonally stratified shelf seas. <i>Journal of Geophysical Research: Oceans</i> , 2014, 119, 3868-3882.	2.6	17
24	The physical oceanography of Jones Bank: A mixing hotspot in the Celtic Sea. <i>Progress in Oceanography</i> , 2013, 117, 9-24.	3.2	38
25	Enhanced nutrient fluxes at the shelf sea seasonal thermocline caused by stratified flow over a bank. <i>Progress in Oceanography</i> , 2013, 117, 37-47.	3.2	32
26	Variable behavior in pycnocline mixing over shelf seas. <i>Geophysical Research Letters</i> , 2013, 40, 161-166.	4.0	13
27	Generation of baroclinic tides over an isolated underwater bank. <i>Journal of Geophysical Research: Oceans</i> , 2013, 118, 4395-4408.	2.6	27
28	Submarine pyroclastic deposits formed during the 20th May 2006 dome collapse of the Soufrière Hills Volcano, Montserrat. <i>Bulletin of Volcanology</i> , 2012, 74, 391-405.	3.0	27
29	Internal tide coherence and decay over a wide shelf sea. <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a.	4.0	29
30	The Liverpool Bay Coastal Observatory. <i>Ocean Dynamics</i> , 2011, 61, 1917-1926.	2.2	25
31	Eruption of Soufrière Hills (1995-2009) from an offshore perspective: Insights from repeated swath bathymetry surveys. <i>Geophysical Research Letters</i> , 2010, 37, .	4.0	39
32	Internal tidal mixing as a control on continental margin ecosystems. <i>Geophysical Research Letters</i> , 2009, 36, .	4.0	89
33	An investigation of internal mixing in a seasonally stratified shelf sea. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	55
34	Internal waves, baroclinic energy fluxes and mixing at the European shelf edge. <i>Continental Shelf Research</i> , 2008, 28, 937-950.	1.8	41
35	Spring-neap modulation of internal tide mixing and vertical nitrate fluxes at a shelf edge in summer. <i>Limnology and Oceanography</i> , 2007, 52, 1735-1747.	3.1	153
36	Thermocline mixing in summer stratified continental shelf seas. <i>Geophysical Research Letters</i> , 2005, 32, .	4.0	58