

Ricardo Matano

List of Publications by Year in descending order

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36
papers

2,074
citations

304743

22
h-index

361022

35
g-index

36
all docs

36
docs citations

36
times ranked

1621
citing authors

#	ARTICLE	IF	CITATIONS
1	The influence of the Plata River discharge on the western South Atlantic shelf. <i>Geophysical Research Letters</i> , 2005, 32, .	4.0	256
2	A numerical study of the Southwestern Atlantic Shelf circulation: Stratified ocean response to local and offshore forcing. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	187
3	The influence of the Brazil and Malvinas Currents on the Southwestern Atlantic Shelf circulation. <i>Ocean Science</i> , 2010, 6, 983-995.	3.4	179
4	Eddies and dipoles around South Madagascar: formation, pathways and large-scale impact. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2004, 51, 383-400.	1.4	145
5	A numerical study of the Southwestern Atlantic Shelf circulation: Barotropic response to tidal and wind forcing. <i>Journal of Geophysical Research</i> , 2004, 109, n/a-n/a.	3.3	125
6	On the implementation of passive open boundary conditions for a general circulation model: The barotropic mode. <i>Journal of Geophysical Research</i> , 1998, 103, 1319-1341.	3.3	108
7	The South Atlantic and the Atlantic Meridional Overturning Circulation. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2011, 58, 1837-1847.	1.4	105
8	On the Upwelling of Downwelling Currents. <i>Journal of Physical Oceanography</i> , 2008, 38, 2482-2500.	1.7	92
9	Seasonal variability in the southwestern Atlantic. <i>Journal of Geophysical Research</i> , 1993, 98, 18027-18035.	3.3	81
10	Disentangling the upwelling mechanisms of the South Brazil Bight. <i>Continental Shelf Research</i> , 2009, 29, 1525-1534.	1.8	74
11	On the Separation of the Brazil Current from the Coast. <i>Journal of Physical Oceanography</i> , 1993, 23, 79-90.	1.7	71
12	A two-way nested simulation of the oceanic circulation in the Southwestern Atlantic. <i>Journal of Geophysical Research: Oceans</i> , 2014, 119, 731-756.	2.6	71
13	The salinity signature of the cross-shelf exchanges in the southwestern Atlantic Ocean: Numerical simulations. <i>Journal of Geophysical Research: Oceans</i> , 2014, 119, 7949-7968.	2.6	63
14	Altimeter-derived seasonal circulation on the southwestern Atlantic shelf: 27°-43°S. <i>Journal of Geophysical Research: Oceans</i> , 2015, 120, 3391-3418.	2.6	57
15	The Patagonian shelf circulation: Drivers and variability. <i>Progress in Oceanography</i> , 2018, 167, 24-43.	3.2	52
16	The salinity signature of the cross-shelf exchanges in the southwestern Atlantic Ocean: Satellite observations. <i>Journal of Geophysical Research: Oceans</i> , 2014, 119, 7794-7810.	2.6	47
17	Physical Oceanography of the SW Atlantic Shelf: A Review. , 2018, , 37-56.		42
18	Trends in the Brazil/Malvinas Confluence region. <i>Geophysical Research Letters</i> , 2014, 41, 8971-8977.	4.0	41

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19	The Burdwood Bank Circulation. <i>Journal of Geophysical Research: Oceans</i> , 2019, 124, 6904-6926.	2.6	30
20	A Numerical Study of the Agulhas Retroflexion: The Role of Bottom Topography. <i>Journal of Physical Oceanography</i> , 1996, 26, 2267-2279.	1.7	28
21	On the origins of the variability of the Malvinas Current in a global, eddy-permitting numerical simulation. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	28
22	A comparison of the circulation patterns over the Southwestern Atlantic Shelf driven by different wind stress climatologies. <i>Geophysical Research Letters</i> , 2004, 31, .	4.0	25
23	Heat and mass balances of the South Atlantic Ocean calculated from a numerical model. <i>Journal of Geophysical Research</i> , 1993, 98, 977-984.	3.3	24
24	The Upstream Spreading of Bottom-Trapped Plumes. <i>Journal of Physical Oceanography</i> , 2010, 40, 1631-1650.	1.7	21
25	On the origins of the low-frequency sea surface height variability of the Patagonia shelf region. <i>Ocean Modelling</i> , 2019, 142, 101454.	2.4	19
26	Shelfbreak upwelling induced by alongshore currents: analytical and numerical results. <i>Journal of Fluid Mechanics</i> , 2011, 686, 239-249.	3.4	18
27	Seasonal Variability of the Oceanic Circulation in the Gulf of San Jorge, Argentina. <i>Oceanography</i> , 2018, 31, .	1.0	16
28	Dynamical analysis of the oceanic circulation in the Gulf of San Jorge, Argentina. <i>Journal of Marine Systems</i> , 2020, 203, 103261.	2.1	15
29	Modeling the Impact of Ocean Circulation on Chlorophyll Blooms Around South Georgia, Southern Ocean. <i>Journal of Geophysical Research: Oceans</i> , 2020, 125, e2020JC016391.	2.6	12
30	Climate Change Impacts on the Patagonian Shelf Break Front. <i>Geophysical Research Letters</i> , 2022, 49, .	4.0	12
31	Circulation and Cross-Shelf Exchanges in the Northern Shelf Region of the Southwestern Atlantic: Kinematics. <i>Journal of Geophysical Research: Oceans</i> , 2021, 126, e2020JC016959.	2.6	8
32	The Spindown of Bottom-Trapped Plumes. <i>Journal of Physical Oceanography</i> , 2010, 40, 1651-1658.	1.7	6
33	The Impact of Boundary Conditions on the Upstream Spreading of Bottom-Trapped Plumes. <i>Journal of Physical Oceanography</i> , 2013, 43, 1060-1069.	1.7	5
34	Assessment of larval connectivity in a sandy beach mole crab through a coupled bio-oceanographic model. <i>Estuarine, Coastal and Shelf Science</i> , 2020, 246, 107035.	2.1	5
35	Circulation and cross-shelf exchanges in the Malvinas Islands Shelf region. <i>Progress in Oceanography</i> , 2021, 198, 102666.	3.2	5
36	Large-scale connectivity of the sandy beach clam <i>Mesodesma mactroides</i> along the Atlantic coast of South America, and climate change implications. <i>Marine Environmental Research</i> , 2022, 176, 105591.	2.5	1