

Ilson C A Da Silveira

List of Publications by Year in descending order

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Version: 2024-02-01

55
papers

1,877
citations

304743

22
h-index

265206

42
g-index

55
all docs

55
docs citations

55
times ranked

1268
citing authors

#	ARTICLE	IF	CITATIONS
1	Shelf break upwelling driven by Brazil Current Cyclonic Meanders. <i>Geophysical Research Letters</i> , 2000, 27, 751-754.	4.0	249
2	Hydrodynamically driven patterns of recent sedimentation in the shelf and upper slope off Southeast Brazil. <i>Continental Shelf Research</i> , 2004, 24, 1685-1697.	1.8	147
3	On the origins of the North Brazil Current. <i>Journal of Geophysical Research</i> , 1994, 99, 22501.	3.3	111
4	Is the meander growth in the Brazil Current system off Southeast Brazil due to baroclinic instability?. <i>Dynamics of Atmospheres and Oceans</i> , 2008, 45, 187-207.	1.8	107
5	On the baroclinic structure of the Brazil Currentâ€“Intermediate Western Boundary Current system at 22Â°â€“23Â°S. <i>Geophysical Research Letters</i> , 2004, 31, .	4.0	98
6	Eddy-induced upwelling off Cape SÃ£o TomÃ© (22Â°S, Brazil). <i>Continental Shelf Research</i> , 2010, 30, 1181-1188.	1.8	94
7	Post-LGM sedimentation on the outer shelfâ€“upper slope of the northernmost part of the SÃ£o Paulo Bight, southeastern Brazil. <i>Marine Geology</i> , 2002, 181, 387-400.	2.1	70
8	Nd and Pb isotope signatures on the Southeastern South American upper margin: Implications for sediment transport and source rocks. <i>Marine Geology</i> , 2008, 250, 51-63.	2.1	68
9	Modern sedimentation in the Cabo Frio upwelling system, Southeastern Brazilian shelf. <i>Anais Da Academia Brasileira De Ciencias</i> , 2005, 77, 535-548.	0.8	63
10	Is the Brazil Current eddy-dominated to the north of 20Â°S?. <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a.	4.0	62
11	Feature-oriented regional modeling and simulations (FORMS) for the western South Atlantic: Southeastern Brazil region. <i>Ocean Modelling</i> , 2008, 25, 48-64.	2.4	55
12	The roles of vertical shear and topography on the eddy formation near the site of origin of the Brazil Current. <i>Continental Shelf Research</i> , 2013, 70, 46-60.	1.8	51
13	A high-resolution Holocene record on the Southern Brazilian shelf: Paleoenvironmental implications. <i>Quaternary International</i> , 2009, 206, 52-61.	1.5	49
14	Radiocarbon geochronology of the sediments of the SÃ£o Paulo Bight (southern Brazilian upper) Tj ETQq0 0 0 rgBT/Overlock 10 Tf 50 2	0.8	49
15	Vertical structure, energetics, and dynamics of the Brazil Current System at 22Â°Sâ€“28Â°S. <i>Journal of Geophysical Research: Oceans</i> , 2014, 119, 52-69.	2.6	46
16	Mid-lower bathyal benthic foraminifera of the Campos Basin, Southeastern Brazilian margin: Biotopes and controlling ecological factors. <i>Marine Micropaleontology</i> , 2006, 61, 40-57.	1.2	45
17	A parametric model for the Brazil Current meanders and eddies off southeastern Brazil. <i>Geophysical Research Letters</i> , 2006, 33, .	4.0	44
18	Coastal upwelling off Cape SÃ£o TomÃ© (22Â°S, Brazil): The supporting role of deep ocean processes. <i>Continental Shelf Research</i> , 2014, 89, 38-50.	1.8	42

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19	Events of equatorward translation of the Vitoria Eddy. <i>Continental Shelf Research</i> , 2013, 70, 61-73.	1.8	35
20	Retroreflections of the North Brazil Current during February 2002. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2005, 52, 647-667.	1.4	33
21	Methods for estimating the velocities of the Brazil Current in the pre-salt reservoir area off southeast Brazil (23°S–26°S). <i>Ocean Dynamics</i> , 2014, 64, 1431-1446.	2.2	31
22	Sedimentary changes on the Southeastern Brazilian upper slope during the last 35,000 years. <i>Anais Da Academia Brasileira De Ciencias</i> , 2007, 79, 171-181.	0.8	26
23	Vertical distribution of benthic invertebrate larvae during an upwelling event along a transect off the tropical Brazilian continental margin. <i>Journal of Marine Systems</i> , 2010, 79, 124-133.	2.1	24
24	Dynamics of the North Brazil Current retroflexion region from the Western Tropical Atlantic Experiment observations. <i>Journal of Geophysical Research</i> , 2000, 105, 28559-28583.	3.3	20
25	Rediscovering the second core of the Atlantic NECC. <i>Ocean Modelling</i> , 2006, 12, 1-15.	2.4	20
26	A two-layer approximation to the Brazil Current–Intermediate Western Boundary Current System between 20°S and 28°S. <i>Ocean Modelling</i> , 2009, 29, 154-158.	2.4	20
27	Pathways and mechanisms of offshore water intrusions on the Espírito Santo Basin shelf (18°S–22°S). <i>Journal of Geophysical Research</i> , 2011, 116, C01101. doi:10.1029/2010JC006814	1.1	14
28	Dynamics of Separating Western Boundary Currents. <i>Journal of Physical Oceanography</i> , 1999, 29, 119-144.	1.7	17
29	Multidisciplinary Scientific Cruise to the Rio Grande Rise. <i>Frontiers in Marine Science</i> , 2019, 6, .	2.5	17
30	Numerical simulation of M2 internal tides in the South Brazil Bight and their interaction with the Brazil Current. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	16
31	Dipole-induced Central Water extrusions south of Abrolhos Bank (Brazil, 20.5°S). <i>Continental Shelf Research</i> , 2019, 188, 103976.	1.8	14
32	Revisiting the Atlantic South Equatorial Current. <i>Journal of Geophysical Research: Oceans</i> , 2021, 126, e2021JC017387.	2.6	14
33	Filaments, Fronts and Eddies in the Cabo Frio Coastal Upwelling System, Brazil. <i>Fluids</i> , 2021, 6, 54.	1.7	13
34	On the Steadiness and Instability of the Intermediate Western Boundary Current between 24° and 18°S. <i>Journal of Physical Oceanography</i> , 2019, 49, 3127-3143.	1.7	12
35	Hydrodynamically-driven distribution of lanternfish larvae in the Southeast Brazilian Bight. <i>Journal of Marine Systems</i> , 2017, 170, 115-133.	2.1	10
36	A Newly Observed Quasi-stationary Subsurface Anticyclone of the North Brazil Undercurrent at 4°S: The Potiguar Eddy. <i>Journal of Geophysical Research: Oceans</i> , 2020, 125, e2020JC016268.	2.6	10

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37	Eddy Formation in 2½-Layer, Quasigeostrophic Jets. <i>Journal of Physical Oceanography</i> , 2002, 32, 729-745.	1.7	8
38	Can a minimalist model of wind forced baroclinic Rossby waves produce reasonable results?. <i>Ocean Dynamics</i> , 2016, 66, 539-548.	2.2	8
39	On the Role of Turbulent Mixing Produced by Vertical Shear Between the Brazil Current and the Intermediate Western Boundary Current. <i>Journal of Geophysical Research: Oceans</i> , 2020, 125, e2019JC015338.	2.6	8
40	Development of a feature-oriented regional modelling system for the North Brazil Undercurrent region (1°N–11°S) and its application to a process study on the genesis of the Potiguar Eddy. <i>Journal of Operational Oceanography</i> , 2022, 15, 69-86.	1.2	7
41	Submesoscale Phenomena Due to the Brazil Current Crossing of the Vitória-Trindade Ridge. <i>Journal of Geophysical Research: Oceans</i> , 2021, 126, .	2.6	7
42	NPZ response to eddy-induced upwelling in a Brazil Current ring: A theoretical approach. <i>Dynamics of Atmospheres and Oceans</i> , 2019, 87, 101096.	1.8	6
43	Discrepancies between satellite-derived and in situ SST data in the Cape Frio Upwelling System, Southeastern Brazil (23°S). <i>Remote Sensing Letters</i> , 2020, 11, 555-562.	1.4	5
44	A descriptive analysis of the seasonal variation of physical oceanographic characteristics in the northern region of the Todos os Santos Bay (Bahia, Brazil). <i>Brazilian Journal of Oceanography</i> , 2011, 59, 9-26.	0.6	5
45	Patterns of distribution and abundance of larval phosichthyidae (actinopterygii, stomiiformes) in southeastern Brazilian waters. <i>Brazilian Journal of Oceanography</i> , 2011, 59, 213-229.	0.6	5
46	Traditional quasi-geostrophic modes and surface quasi-geostrophic solutions in the Southwestern Atlantic. <i>Journal of Geophysical Research: Oceans</i> , 2013, 118, 2734-2745.	2.6	4
47	Dynamics of the Brazil-Malvinas Confluence: Energy Conversions. <i>Journal of Physics: Conference Series</i> , 2011, 285, 012045.	0.4	3
48	Feature-oriented acoustic tomography: Upwelling at Cabo Frio (Brazil). , 2009, , .		2
49	Can the Intermediate Western Boundary Current recirculation trigger the Vitória Eddy formation?. <i>Ocean Dynamics</i> , 2021, 71, 281-292.	2.2	2
50	Submesoscale Coherent Vortices in the South Atlantic Ocean: A Pathway for Energy Dissipation. <i>Journal of Geophysical Research: Oceans</i> , 2022, 127, .	2.6	2
51	Is the Vertical Variability of the Ocean in Santos Bight, Brazil, Dominated by the Western Boundary Current Meanders?. , 2012, , .		1
52	A dataset of temperature and salinity in the South Brazil Bight: Identifying water mass interfaces. <i>Data in Brief</i> , 2018, 20, 1297-1304.	1.0	1
53	Seasonal variability of ichthyoneuston assemblage on the continental shelf and slope of the Southwest Atlantic Ocean, Brazil (20°N–23°S). <i>Journal of Applied Ichthyology</i> , 2019, 35, 655-671.	0.7	1
54	Range-dependent acoustic tomography by oceanic feature modeling for the monitoring of upwelling (Cabo Frio, Brazil). , 2010, , .		0

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55	Water mass, front and meanders of the Brazil Current seen through acoustics: A preliminary study. , 2011, , .		0