

# 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

304368

22  
h-index

264894

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.   | 1.5 | 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.                       | 0.9 | 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.                     | 0.7 | 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, .                        | 1.5 | 98        |
| 6  | Eddy-induced upwelling off Cape SÃ£o TomÃ© (22Â°S, Brazil). <i>Continental Shelf Research</i> , 2010, 30, 1181-1188.   | 0.9 | 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.                 | 0.9 | 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.              | 0.9 | 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.                                 | 0.3 | 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.  | 1.5 | 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.                           | 1.0 | 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.                       | 0.9 | 51        |
| 13 | A high-resolution Holocene record on the Southern Brazilian shelf: Paleoenvironmental implications. <i>Quaternary International</i> , 2009, 206, 52-61.                                    | 0.7 | 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   | 0.3 | 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.                             | 1.0 | 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. | 0.5 | 45        |
| 17 | A parametric model for the Brazil Current meanders and eddies off southeastern Brazil. <i>Geophysical Research Letters</i> , 2006, 33, .   | 1.5 | 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.                                   | 0.9 | 42        |

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|----|--|-----|-----------|
| 19 | Events of equatorward translation of the Vitoria Eddy. <i>Continental Shelf Research</i> , 2013, 70, 61-73.  | 0.9 | 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.   | 0.6 | 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.                            | 0.9 | 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.                                     | 0.3 | 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. | 0.9 | 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.   | 1.0 | 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.                                      | 1.0 | 20        |
| 27 | Pathways and mechanisms of offshore water intrusions on the Espírito Santo Basin shelf (18°S–22°S), Tj ETQ <sub>11</sub> 1 0.784314 rgB <sub>20</sub>  | 1.0 | 20        |
| 28 | Dynamics of Separating Western Boundary Currents. <i>Journal of Physical Oceanography</i> , 1999, 29, 119-144.   | 0.7 | 17        |
| 29 | Multidisciplinary Scientific Cruise to the Rio Grande Rise. <i>Frontiers in Marine Science</i> , 2019, 6, .  | 1.2 | 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, 20.5oS). <i>Continental Shelf Research</i> , 2019, 188, 103976.  | 0.9 | 14        |
| 32 | Revisiting the Atlantic South Equatorial Current. <i>Journal of Geophysical Research: Oceans</i> , 2021, 126, e2021JC017387.   | 1.0 | 14        |
| 33 | Filaments, Fronts and Eddies in the Cabo Frio Coastal Upwelling System, Brazil. <i>Fluids</i> , 2021, 6, 54.   | 0.8 | 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.                                  | 0.7 | 12        |
| 35 | Hydrodynamically-driven distribution of lanternfish larvae in the Southeast Brazilian Bight. <i>Journal of Marine Systems</i> , 2017, 170, 115-133.  | 0.9 | 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.      | 1.0 | 10        |

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|----|---|-----|-----------|
| 37 | Eddy Formation in 2½-Layer, Quasigeostrophic Jets. <i>Journal of Physical Oceanography</i> , 2002, 32, 729-745.   | 0.7 | 8         |
| 38 | Can a minimalist model of wind forced baroclinic Rossby waves produce reasonable results?. <i>Ocean Dynamics</i> , 2016, 66, 539-548.   | 0.9 | 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.   | 1.0 | 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. | 0.6 | 7         |
| 41 | Submesoscale Phenomena Due to the Brazil Current Crossing of the Vitória-Trindade Ridge. <i>Journal of Geophysical Research: Oceans</i> , 2021, 126, .  | 1.0 | 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.  | 0.7 | 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.  | 0.6 | 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.  | 1.0 | 4         |
| 47 | Dynamics of the Brazil-Malvinas Confluence: Energy Conversions. <i>Journal of Physics: Conference Series</i> , 2011, 285, 012045.   | 0.3 | 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.   | 0.9 | 2         |
| 50 | Submesoscale Coherent Vortices in the South Atlantic Ocean: A Pathway for Energy Dissipation. <i>Journal of Geophysical Research: Oceans</i> , 2022, 127, .   | 1.0 | 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.   | 0.5 | 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.  | 0.3 | 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         |