

# Moacyr Araujo

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1659087/publications.pdf>

Version: 2024-02-01

107  
papers

1,941  
citations

279798

23  
h-index

315739

38  
g-index

111  
all docs

111  
docs citations

111  
times ranked

2491  
citing authors

#	ARTICLE	IF	CITATIONS
1	Variability and trends of carbon parameters at a time series in the eastern tropical Atlantic. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2022, 68, 30305.	1.6	9
2	Flow-topography interactions in the western tropical Atlantic boundary off Northeast Brazil. <i>Journal of Marine Systems</i> , 2022, 227, 103690.	2.1	9
3	Hydro-thermodynamic dataset of the Amazon River Plume and North Brazil Current retroflection. <i>Data in Brief</i> , 2022, 40, 107705.	1.0	3
4	T-S and hydrodynamical structures within the deltaic regions and continental platforms adjacent to two northeastern Brazilian rivers. <i>Regional Studies in Marine Science</i> , 2022, 51, 102219.	0.7	2
5	Database of oceanographic anomalies and atmospheric surface fluxes for the study of climate change in the Brazilian Northeast.. <i>Latin American Data in Science</i> , 2022, 2, .	0.2	0
6	Monthly anomaly database of atmospheric and oceanic parameters in the tropical Atlantic ocean. <i>Data in Brief</i> , 2022, 41, 107969.	1.0	2
7	High-resolution hydrodynamics and TS structure database of the Brazilian continental shelf and adjacent waters. <i>Data in Brief</i> , 2022, 42, 108210.	1.0	0
8	Hydrodynamic and TS Structure Dataset of the São Francisco and Parnaíba Brazilian Rivers. <i>Latin American Data in Science</i> , 2022, 2, 13-20.	0.2	2
9	A comparative study of total alkalinity and total inorganic carbon near tropical Atlantic coastal regions. <i>Journal of Coastal Conservation</i> , 2022, 26, .	1.6	0
10	Near-surface western boundary circulation off Northeast Brazil. <i>Progress in Oceanography</i> , 2021, 190, 102475.	3.2	28
11	Seasonal variability of the Atlantic Meridional Overturning Circulation at 11°S inferred from bottom pressure measurements. <i>Ocean Science</i> , 2021, 17, 265-284.	3.4	11
12	Phytoplankton cell size in an urban tropical estuarine system in Northeast Brazil. <i>Regional Studies in Marine Science</i> , 2021, 43, 101659.	0.7	1
13	Surface Circulation and Vertical Structure of Upper Ocean Variability Around Fernando de Noronha Archipelago and Rocas Atoll During Spring 2015 and Fall 2017. <i>Frontiers in Marine Science</i> , 2021, 8, .	2.5	16
14	Long-term water quality conditions and trends in 12 tropical coastal rivers in Northeast Brazil. <i>Environmental Monitoring and Assessment</i> , 2021, 193, 308.	2.7	1
15	Ocean Dynamics and Topographic Upwelling Around the Aracati Seamount - North Brazilian Chain From in situ Observations and Modeling Results. <i>Frontiers in Marine Science</i> , 2021, 8, .	2.5	5
16	Qual universidade pública é requerida para defesa dos valores republicanos?. <i>Estudos Universitários</i> , 2021, 38, 17.	0.1	0
17	A Roadmap for Using the UN Decade of Ocean Science for Sustainable Development in Support of Science, Policy, and Action. <i>One Earth</i> , 2020, 2, 34-42.	6.8	191
18	3D characterisation of the thermohaline structure in the southwestern tropical Atlantic derived from functional data analysis of in situ profiles. <i>Progress in Oceanography</i> , 2020, 187, 102399.	3.2	40

#	ARTICLE	IF	CITATIONS
19	Cell biovolume and carbon biomass of phytoplankton in degraded tropical estuaries in Northeastern Brazil. <i>Regional Studies in Marine Science</i> , 2020, 40, 101522.	0.7	1
20	Intra- and Inter-Annual Variability of North Brazil Current Rings Using Angular Momentum Eddy Detection and Tracking Algorithm: Observations From 1993 to 2016. <i>Journal of Geophysical Research: Oceans</i> , 2020, 125, e2019JC015921.	2.6	10
21	Summer and winter Atlantic Niño: connections with ENSO and implications. <i>Climate Dynamics</i> , 2020, 55, 2939-2956.	3.8	11
22	Amazon river plume influence on planktonic decapods in the tropical Atlantic. <i>Journal of Marine Systems</i> , 2020, 212, 103428.	2.1	14
23	Vertical Turbulent Cooling of the Mixed Layer in the Atlantic ITCZ and Trade Wind Regions. <i>Journal of Geophysical Research: Oceans</i> , 2020, 125, e2019JC015529.	2.6	8
24	SST Indexes in the Tropical South Atlantic for Forecasting Rainy Seasons in Northeast Brazil. <i>Atmosphere</i> , 2019, 10, 335.	2.3	11
25	An Integrated All-Atlantic Ocean Observing System in 2030. <i>Frontiers in Marine Science</i> , 2019, 6, .	2.5	23
26	The socio-ecological Nexus+ approach used by the Brazilian Research Network on Global Climate Change. <i>Current Opinion in Environmental Sustainability</i> , 2019, 39, 62-70.	6.3	14
27	The Effect of Agulhas Eddies on Absorption and Transport of Anthropogenic Carbon in the South Atlantic Ocean. <i>Climate</i> , 2019, 7, 84.	2.8	11
28	Trophic dynamics (Dissolved Inorganic Nitrogen-DIN and Dissolved Inorganic Phosphorus-DIP) in tropical urban estuarine systems during periods of high and low river discharge rates. <i>Anais Da Academia Brasileira De Ciencias</i> , 2019, 91, e20180244.	0.8	5
29	PIRATA: A Sustained Observing System for Tropical Atlantic Climate Research and Forecasting. <i>Earth and Space Science</i> , 2019, 6, 577-616.	2.6	63
30	The Tropical Atlantic Observing System. <i>Frontiers in Marine Science</i> , 2019, 6, .	2.5	80
31	Amazon River plume influence on Western Tropical Atlantic dynamic variability. <i>Dynamics of Atmospheres and Oceans</i> , 2019, 85, 1-15.	1.8	39
32	On the variability in the CO <sub>2</sub> system and water productivity in the western tropical Atlantic off North and Northeast Brazil. <i>Journal of Marine Systems</i> , 2019, 189, 62-77.	2.1	9
33	The sea-air CO <sub>2</sub> net fluxes in the South Atlantic Ocean and the role played by Agulhas eddies. <i>Progress in Oceanography</i> , 2019, 170, 40-52.	3.2	15
34	SIMULATION OF OIL SPILLS NEAR A TROPICAL ISLAND IN THE EQUATORIAL SOUTHWEST ATLANTIC. <i>Tropical Oceanography</i> , 2019, 47, .	0.0	2
35	Impact of the new equation of state of seawater (TEOS-10) on the estimates of water mass mixture and meridional transport in the Atlantic Ocean. <i>Progress in Oceanography</i> , 2018, 162, 13-24.	3.2	5
36	Ocean-Atmosphere Feedback during Extreme Rainfall Events in Eastern Northeast Brazil. <i>Journal of Applied Meteorology and Climatology</i> , 2018, 57, 1211-1229.	1.5	18

#	ARTICLE	IF	CITATIONS
37	Alkalinity, inorganic carbon and CO <sub>2</sub> flux variability during extreme rainfall years (2010-2011) in two polluted tropical estuaries NE Brazil. <i>Brazilian Journal of Oceanography</i> , 2018, 66, 115-130.	0.6	7
38	Seasonal and Interannual Mixed-Layer Heat Budget Variability in the Western Tropical Atlantic From Argo Floats (2007-2012). <i>Journal of Geophysical Research: Oceans</i> , 2018, 123, 5298-5322.	2.6	8
39	Zooplankton From a Reef System Under the Influence of the Amazon River Plume. <i>Frontiers in Microbiology</i> , 2018, 9, 355.	3.5	25
40	Dynamics of Primary Productivity and Oceanographic Parameters under Influence of the Amazon River Plume. <i>Open Journal of Ecology</i> , 2018, 08, 590-606.	1.0	4
41	Influence of underwater hydrodynamics on oil and gas blowouts off Amazon River Mouth. <i>Tropical Oceanography</i> , 2018, 46, .	0.0	2
42	A study of the Brazilian Fernando de Noronha island and Rocas atoll wakes in the tropical Atlantic. <i>Ocean Modelling</i> , 2017, 111, 9-18.	2.4	32
43	Variability of CO <sub>2</sub> fugacity at the western edge of the tropical Atlantic Ocean from the 8°N to 38°W PIRATA buoy. <i>Dynamics of Atmospheres and Oceans</i> , 2017, 78, 1-13.	1.8	10
44	A source of CO <sub>2</sub> to the atmosphere throughout the year in the Maranhense continental shelf (2°30'S). <i>Tj ETQq0 Q0 rgBT /Overlock 10</i>	1.8	18
45	Plankton carbon metabolism and air-water CO <sub>2</sub> fluxes at a hypereutrophic tropical estuary. <i>Marine Ecology</i> , 2017, 38, e12423.	1.1	4
46	A Synoptic Assessment of the Amazon River-Ocean Continuum during Boreal Autumn: From Physics to Plankton Communities and Carbon Flux. <i>Frontiers in Microbiology</i> , 2017, 8, 1358.	3.5	26
47	Amazon Plume Salinity Response to Ocean Teleconnections. <i>Frontiers in Marine Science</i> , 2017, 4, .	2.5	19
48	Net Heterotrophy in the Amazon Continental Shelf Changes Rapidly to a Sink of CO <sub>2</sub> in the Outer Amazon Plume. <i>Frontiers in Marine Science</i> , 2017, 4, .	2.5	22
49	High bacterial carbon demand and low growth efficiency at a tropical hypereutrophic estuary: importance of dissolved organic matter remineralization. <i>Brazilian Journal of Oceanography</i> , 2017, 65, 382-391.	0.6	8
50	Distribution of Nutrients and Changes in Phytoplankton Composition in a Tropical Mesotidal Estuary, Northeastern Brazil. <i>Open Journal of Ecology</i> , 2017, 07, 460-494.	1.0	2
51	An Analytic Approach to Model the Tidal Circulation in a Double-inlet Estuary. <i>Journal of Coastal Research</i> , 2016, 75, 223-227.	0.3	0
52	The overlooked tropical oceanic CO <sub>2</sub> sink. <i>Geophysical Research Letters</i> , 2016, 43, 3804-3812.	4.0	28
53	Seasonal and Intraseasonal Variability of Wave Climate on the NE Brazilian Coast using a Nautical Radar System. <i>Journal of Coastal Research</i> , 2016, 75, 927-931.	0.3	4
54	Influence of reef geometry on wave attenuation on a Brazilian coral reef. <i>Geomorphology</i> , 2016, 253, 318-327.	2.6	46

#	ARTICLE	IF	CITATIONS
55	Distribution of CO <sub>2</sub> parameters in the Western Tropical Atlantic Ocean. <i>Dynamics of Atmospheres and Oceans</i> , 2016, 73, 47-60.	1.8	19
56	Oceanic Indices for Forecasting Seasonal Rainfall over the Northern Part of Brazilian Northeast. <i>American Journal of Climate Change</i> , 2016, 05, 261-274.	0.9	14
57	Alcalinidade total normalizada na Zona Econômica Exclusiva da região Norte (Brasil). <i>Scientia Plena</i> , 2016, 12, .	0.2	0
58	Interannual to decadal changes in the western boundary circulation in the Atlantic at 11°S. <i>Geophysical Research Letters</i> , 2015, 42, 7615-7622.	4.0	56
59	Seasonal and interannual variability of sea-air CO <sub>2</sub> fluxes in the tropical Atlantic affected by the Amazon River plume. <i>Global Biogeochemical Cycles</i> , 2015, 29, 1640-1655.	4.9	32
60	The first occurrence of the Order Mormonilloida (Copepoda) in the Tropical Southwest Atlantic Ocean. <i>Anais Da Academia Brasileira De Ciencias</i> , 2015, 87, 233-237.	0.8	3
61	Tropical Atlantic Contributions to Strong Rainfall Variability Along the Northeast Brazilian Coast. <i>Advances in Meteorology</i> , 2015, 2015, 1-13.	1.6	37
62	Phytoplankton biomass dynamics and environmental variables around the Rocas Atoll Biological Reserve, South Atlantic. <i>Brazilian Journal of Oceanography</i> , 2015, 63, 443-454.	0.6	15
63	Caracterización de los flujos de CO <sub>2</sub> y los parámetros asociados con el sistema de carbonato en el estuario Río Formoso, Brasil. <i>Revista De Biología Marina Y Oceanografía</i> , 2015, 50, 603-609.	0.2	0
64	Spatial and temporal variability of CO <sub>2</sub> fluxes in tropical estuarine systems near areas of high population density in Brazil. <i>Regional Environmental Change</i> , 2015, 15, 619-630.	2.9	13
65	Physical processes that drive the seasonal evolution of the Southwestern Tropical Atlantic Warm Pool. <i>Dynamics of Atmospheres and Oceans</i> , 2015, 72, 1-11.	1.8	14
66	Eutrophication effects on phytoplankton size-fractionated biomass and production at a tropical estuary. <i>Marine Pollution Bulletin</i> , 2015, 91, 537-547.	5.0	38
67	Nutrients and carbon fluxes in the estuaries of major rivers flowing into the tropical Atlantic. <i>Frontiers in Marine Science</i> , 2014, 1, .	2.5	31
68	Copepod distribution and production in a Mid-Atlantic Ridge archipelago. <i>Anais Da Academia Brasileira De Ciencias</i> , 2014, 86, 1719-1733.	0.8	12
69	Modeling Subsurface Gas Release in Tropical and Shallow Waters: Comparison with Field Experiments off Brazil's Northeast Coast. <i>Human and Ecological Risk Assessment (HERA)</i> , 2014, 20, 150-173.	3.4	0
70	Recent climatic trends in the tropical Atlantic. <i>Climate Dynamics</i> , 2014, 43, 3071-3089.	3.8	60
71	An Ecological Model for Quantitative Risk Assessment for Schistosomiasis: The Case of a Patchy Environment in the Coastal Tropical Area of Northeastern Brazil. <i>Risk Analysis</i> , 2014, 34, 831-846.	2.7	14
72	Carbon dioxide emissions from estuaries of northern and northeastern Brazil. <i>Scientific Reports</i> , 2014, 4, 6164.	3.3	33

#	ARTICLE	IF	CITATIONS
73	A morphological anomaly in <i>Clausocalanus mastigophorus</i> (Claus, 1863) (Copepoda, Calanoida) from St. Peter and St. Paul Archipelago. <i>Brazilian Journal of Biology</i> , 2014, 74, 728-729.	0.9	3
74	Spatial and Temporal Variability of the CO <sub>2</sub> Fluxes in a Tropical, Highly Urbanized Estuary. <i>Estuaries and Coasts</i> , 2013, 36, 1054-1072.	2.2	21
75	Prediction of sea surface temperature in the tropical Atlantic by support vector machines. <i>Computational Statistics and Data Analysis</i> , 2013, 61, 187-198.	1.2	78
76	The effects of sea surface temperature anomalies on oceanic coral reef systems in the southwestern tropical Atlantic. <i>Coral Reefs</i> , 2013, 32, 441-454.	2.2	56
77	The instantaneous transport of inorganic and organic material in a highly polluted tropical estuary. <i>Marine and Freshwater Research</i> , 2013, 64, 562.	1.3	7
78	Quantitative Ecological Risk Assessment of Industrial Accidents: The Case of Oil Ship Transportation in the Coastal Tropical Area of Northeastern Brazil. <i>Human and Ecological Risk Assessment (HERA)</i> , 2013, 19, 1457-1476.	3.4	18
79	Bayesian update of the parameters of probability distributions for risk assessment in a two-level hybrid probabilistic-possibilistic uncertainty framework. , 2013, , 3295-3302.		1
80	Nutrient Input and CO <sub>2</sub> Flux of a Tropical Coastal Fluvial System with High Population Density in the Northeast Region of Brazil. <i>Journal of Water Resource and Protection</i> , 2013, 05, 362-375.	0.8	9
81	Emergency plans modeling: Toward an assessment tool. , 2013, , 2381-2388.		0
82	Intraseasonal variability of the North Brazil Undercurrent forced by remote winds. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	13
83	Cross-Wavelet Bias Corrected by Normalizing Scales. <i>Journal of Atmospheric and Oceanic Technology</i> , 2012, 29, 1401-1408.	1.3	128
84	Field study of a simulated subsurface gas blowout in tropical and shallow water along the Brazilian Coast.. <i>Tropical Oceanography</i> , 2012, 40, .	0.0	0
85	Salinity-induced mixed and barrier layers in the southwestern tropical Atlantic Ocean off the northeast of Brazil. <i>Ocean Science</i> , 2011, 7, 63-73.	3.4	28
86	Nutrient budgets (C, N and P) and trophic dynamics of a Brazilian tropical estuary: Barra das Jangadas. <i>Anais Da Academia Brasileira De Ciencias</i> , 2011, 83, 441-456.	0.8	11
87	Seasonal and interannual variability of the southern south Equatorial Current bifurcation and meridional transport along the eastern brazilian edge.. <i>Tropical Oceanography</i> , 2011, 39, .	0.0	1
88	Seasonal variability of the Amazon river plume during Revizee program. <i>Tropical Oceanography</i> , 2010, 38, .	0.0	12
89	Circulation of the thermocline salinity maximum waters off the Northern Brazil as inferred from in situ measurements and numerical results. <i>Annales Geophysicae</i> , 2009, 27, 1861-1873.	1.6	21
90	Series temporales de variables hidrobiolÃ³gicas en un estuario tropical (Brasil). <i>Revista De Biologia Marina Y Oceanografia</i> , 2009, 44, .	0.2	6

#	ARTICLE	IF	CITATIONS
91	Observações hidrográficas e resultados de modelagem no espalhamento sazonal e espacial da pluma de Água Amazônica. Acta Amazonica, 2009, 39, 361-369.	0.7	16
92	High-resolution regional ocean dynamics simulation in the southwestern tropical Atlantic. Ocean Modelling, 2009, 30, 256-269.	2.4	47
93	Two-layer stratified flows over pronounced obstacles at low-to-intermediate Froude numbers. Physics of Fluids, 2009, 21, 044102.	4.0	7
94	Energy Balance and Mixing Timescales in a Stirring Tropical Estuary, Itamaracá, Brazil. Journal of Coastal Research, 2008, 1, 151-160.	0.3	1
95	Nutrient and phytoplankton biomass in the Amazon River shelf waters. Anais Da Academia Brasileira De Ciencias, 2008, 80, 703-717.	0.8	23
96	Instabilities developed in stratified flows over pronounced obstacles. Physica A: Statistical Mechanics and Its Applications, 2007, 386, 681-685.	2.6	3
97	DISTANCE SPLINES APPROACH TO IRREGULARLY DISTRIBUTED PHYSICAL DATA FROM THE BRAZILIAN NORTHEASTERN COAST. , 2006, , .		0
98	Variação sazonal da estrutura de massas de Água na plataforma continental do Amazonas e Área oceânica adjacente. Revista Brasileira De Geofísica, 2005, 23, 145-157.	0.2	30
99	Seasonal changes in the mixed and barrier layers in the western Equatorial Atlantic. Brazilian Journal of Oceanography, 2005, 53, 83-98.	0.6	26
100	Tidal Turbulence and Eddy-Viscosity in Coastal Waters at Northeastern Brazil. Journal of Coastal Research, 2005, 211, 18-27.	0.3	9
101	Title is missing!. Hydrobiologia, 2002, 475/476, 229-237.	2.0	7
102	Langmuir circulations and enhanced turbulence beneath wind-waves. Ocean Modelling, 2001, 3, 109-126.	2.4	3
103	On the influence of longitudinal mean flow over Langmuir circulations. Journal of Hydraulic Research/De Recherches Hydrauliques, 2000, 38, 141-149.	1.7	3
104	Energy balance and time-scales of mixing and stratification in the Jaboatão estuary, NE-Brazil. Revista Brasileira De Oceanografia, 1999, 47, 145-154.	0.2	12
105	Energy balance and time-scales of mixing and stratification in the Jaboatão estuary, NE-Brazil. Brazilian Journal of Oceanography, 1999, 47, .	0.6	6
106	Determination of oil horizontal spreading coefficients in seawater using analytical methods and digital image processing techniques. , 0, , .		0
107	The mysterious oil spill in the northeastern coast of Brazil: tracking offshore seawater and the need for improved vessel facilities. Ocean and Coastal Research, 0, 70, .	0.6	0