

Alex C Bastos

List of Publications by Year in descending order

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Version: 2024-02-01

82
papers

2,564
citations

236925

25
h-index

214800

47
g-index

82
all docs

82
docs citations

82
times ranked

2687
citing authors

#	ARTICLE	IF	CITATIONS
1	Coral growth bands recorded trace elements associated with the Fundão dam collapse. <i>Science of the Total Environment</i> , 2022, 807, 150880.	8.0	8
2	Bathymetric and regional benthic foraminiferal distribution on the Espírito Santo Basin slope, Brazil (SW Atlantic). <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2022, 181, 103688.	1.4	5
3	Applying a Multi-Method Framework to Analyze the Multispectral Acoustic Response of the Seafloor. <i>Frontiers in Remote Sensing</i> , 2022, 3, .	3.5	8
4	Sedimentological signatures of river-shelf processes in a wave-dominated delta front. <i>Journal of South American Earth Sciences</i> , 2022, 115, 103761.	1.4	2
5	Structure and Composition of Rhodolith Beds from the Sergipe-Alagoas Basin (NE Brazil). <i>Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50</i>	1.7	5
6	Submerged Palaeolandscapes of the Southern Hemisphere (SPLOSH) – What is emerging from the Southern Hemisphere. <i>World Archaeology</i> , 2022, 54, 6-28.	1.1	4
7	Sedimentological and morphological evidences of Meltwater Pulse 1B in the Southwestern Atlantic Margin. <i>Marine Geology</i> , 2022, 450, 106850.	2.1	5
8	Spatial distribution patterns of coral reefs in the Abrolhos region (Brazil, South Atlantic ocean). <i>Continental Shelf Research</i> , 2022, 246, 104808.	1.8	5
9	Tropical rhodolith beds are a major and belittled reef fish habitat. <i>Scientific Reports</i> , 2021, 11, 794.	3.3	34
10	Decadal (2006-2018) dynamics of Southwestern Atlantic's largest turbid zone reefs. <i>PLoS ONE</i> , 2021, 16, e0247111.	2.5	15
11	Growing at the limit: Reef growth sensitivity to climate and oceanographic changes in the South Western Atlantic. <i>Global and Planetary Change</i> , 2021, 201, 103479.	3.5	11
12	Growing industrialization and poor conservation planning challenge natural resources' management in the Amazon Shelf off Brazil. <i>Marine Policy</i> , 2021, 128, 104465.	3.2	15
13	Copepod community structure after a mining dam disaster in the Southwestern Atlantic Ocean. <i>Estuarine, Coastal and Shelf Science</i> , 2021, 254, 107325.	2.1	6
14	Wave-driven sediment mobility on the Eastern Brazilian shelf under different weather systems. <i>Geo-Marine Letters</i> , 2021, 41, 1.	1.1	5
15	Environmental controls on holocene reef development along the eastern brazilian margin. <i>Coral Reefs</i> , 2021, 40, 1321-1337.	2.2	1
16	The impact of trace metals in marine sediments after a tailing dam failure: the Fundão dam case (Brazil). <i>Environmental Earth Sciences</i> , 2021, 80, 1.	2.7	15
17	Morphological evidences of eustatic events in the last 14,000 years in a far-field site, East-Southeast Brazilian continental shelf. <i>Marine Geology</i> , 2021, 442, 106659.	2.1	6
18	Submerged reefs in the Abrolhos Shelf: morphology and habitat distribution. , 2020, , 519-532.		4

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19	Heterogeneity of rhodolith beds expressed in backscatter data. <i>Marine Geology</i> , 2020, 423, 106136.	2.1	15
20	The effects of a tailing dam failure on the sedimentation of the eastern Brazilian inner shelf. <i>Continental Shelf Research</i> , 2020, 205, 104172.	1.8	35
21	Traditional knowledge of Fishers versus an environmental disaster from mining waste in Central Brazil. <i>Marine Policy</i> , 2020, 120, 104129.	3.2	8
22	Late Quaternary evolution model for a coastal embayment with low sediment input and bedrock control (southeast Brazil). <i>Estuarine, Coastal and Shelf Science</i> , 2020, 243, 106905.	2.1	1
23	Seabed Mapping: A Brief History from Meaningful Words. <i>Geosciences (Switzerland)</i> , 2020, 10, 273.	2.2	27
24	The use of Benthic Terrain Modeler (BTM) in the characterization of continental shelf habitats. <i>Geo-Marine Letters</i> , 2020, 40, 1087-1097.	1.1	17
25	Fifty years of the Brazilian Marine Geology and Geophysics Program (PGGM). <i>Geo-Marine Letters</i> , 2020, 40, 819-820.	1.1	0
26	Geomorphometric Seabed Classification and Potential Megahabitat Distribution in the Amazon Continental Margin. <i>Frontiers in Marine Science</i> , 2020, 7, .	2.5	21
27	Structure of Rhodolith Beds and Surrounding Habitats at the Doce River Shelf (Brazil). <i>Diversity</i> , 2020, 12, 75.	1.7	19
28	Reef Mapping Using Different Seabed Automatic Classification Tools. <i>Geosciences (Switzerland)</i> , 2020, 10, 72.	2.2	17
29	The Holocene palaeoenvironmental evolution of Vitória Bay, Espírito Santo, Brazil. <i>Palynology</i> , 2019, 43, 383-393.	1.5	0
30	Holocene reef growth in the tropical southwestern Atlantic: Evidence for sea level and climate instability. <i>Quaternary Science Reviews</i> , 2019, 218, 365-377.	3.0	16
31	Along-shelf changes in mixed carbonate-siliciclastic sedimentation patterns. <i>Continental Shelf Research</i> , 2019, 187, 103964.	1.8	31
32	Long-term temporal and spatial patterns in bioeroding sponge distribution at the Abrolhos Bank, Brazil, Southwestern Atlantic. <i>Marine Ecology</i> , 2019, 40, e12531.	1.1	5
33	Sustained mass coral bleaching (2016–2017) in Brazilian turbid-zone reefs: taxonomic, cross-shelf and habitat-related trends. <i>Coral Reefs</i> , 2019, 38, 801-813.	2.2	62
34	Morphology and sedimentology of the shelf-upper slope transition in the Abrolhos continental shelf (east Brazilian margin). <i>Geo-Marine Letters</i> , 2019, 39, 117-134.	1.1	13
35	Microplastics and attached microorganisms in sediments of the Vitória bay estuarine system in SE Brazil. <i>Ocean and Coastal Management</i> , 2019, 169, 247-253.	4.4	86
36	A dark side of cleaning symbiosis: manned submersible observations. <i>Marine Biodiversity</i> , 2019, 49, 1037-1041.	1.0	0

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37	Sedimentary, Geochemical and Micropaleontological Responses to Sea Level Variations in the Vitoria Estuary, Esp�rito Santo. Radiocarbon, 2018, 60, 583-600.	1.8	6
38	Structure and composition of rhodoliths from the Amazon River mouth, Brazil. Journal of South American Earth Sciences, 2018, 84, 149-159.	1.4	25
39	A habitat�based approach to predict impacts of marine protected areas on fishers. Conservation Biology, 2018, 32, 1096-1106.	4.7	14
40	Seabed Morphology and Sedimentary Regimes defining Fishing Grounds along the Eastern Brazilian Shelf. Geosciences (Switzerland), 2018, 8, 91.	2.2	20
41	BURIAL RATE DETERMINES HOLOCENE RHODOLITH DEVELOPMENT ON THE BRAZILIAN SHELF. Palaios, 2018, 33, 464-477.	1.3	17
42	Bryozoan framework composition in the oddly shaped reefs from Abrolhos Bank, Brazil, southwestern Atlantic: taxonomy and ecology. Zootaxa, 2018, 4483, 155-186.	0.5	9
43	Bryozoans are Major Modern Builders of South Atlantic Oddly Shaped Reefs. Scientific Reports, 2018, 8, 9638.	3.3	38
44	Spatial and temporal dynamics of the abundance of crustose calcareous algae on the southernmost coral reefs of the western Atlantic (Abrolhos Bank, Brazil). Algae, 2018, 33, 85-99.	2.3	14
45	Long-term effects of competition and environmental drivers on the growth of the endangered coral <i>Mussismilia braziliensis</i> (Verrill, 1867). PeerJ, 2018, 6, e5419.	2.0	24
46	Arsenic enrichment in sediment on the eastern continental shelf of Brazil. Science of the Total Environment, 2017, 607-608, 304-316.	8.0	53
47	Paleoenvironmental Records Influenced by Sea Level Variations During the Holocene in the Vit�ria Bay Region, Esp�rito Santo State, Brazil. Radiocarbon, 2017, 59, 1087-1102.	1.8	3
48	Carbonate Production by Benthic Communities on Shallow Coralgall Reefs of Abrolhos Bank, Brazil. PLoS ONE, 2016, 11, e0154417.	2.5	16
49	Quartz grain assessment for reconstructing the coastal palaeoenvironment. Journal of South American Earth Sciences, 2016, 70, 353-367.	1.4	20
50	Origin and sedimentary evolution of sinkholes (buracas) in the Abrolhos continental shelf, Brazil. Palaeogeography, Palaeoclimatology, Palaeoecology, 2016, 462, 101-111.	2.3	18
51	An extensive reef system at the Amazon River mouth. Science Advances, 2016, 2, e1501252.	10.3	235
52	Mesophotic ecosystems of the unique South Atlantic atoll are composed by rhodolith beds and scattered consolidated reefs. Marine Biodiversity, 2016, 46, 933-936.	1.0	29
53	Reply to Raposo do Amaral et al.: The ‘Atlantis Forest hypothesis’ adds a new dimension to Atlantic Forest biogeography. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E2099-E2100.	7.1	1
54	Neotropical forest expansion during the last glacial period challenges refuge hypothesis. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 1008-1013.	7.1	181

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55	Macroalgal composition and community structure of the largest rhodolith beds in the world. <i>Marine Biodiversity</i> , 2016, 46, 407-420.	1.0	36
56	BaMBA: towards the integrated management of Brazilian marine environmental data. Database: the Journal of Biological Databases and Curation, 2015, 2015, bav088.	3.0	30
57	Modern sedimentary processes along the Doce river adjacent continental shelf. <i>Brazilian Journal of Geology</i> , 2015, 45, 635-644.	0.7	47
58	The Modern Mixed Carbonate-Siliciclastic Abrolhos Shelf: Implications For A Mixed Depositional Model. <i>Journal of Sedimentary Research</i> , 2015, 85, 124-139.	1.6	26
59	Modern sedimentation processes in a wave-dominated coastal embayment: Esp�rito Santo Bay, southeast Brazil. <i>Geo-Marine Letters</i> , 2015, 35, 23-36.	1.1	8
60	Shelf morphology as an indicator of sedimentary regimes: A synthesis from a mixed siliciclastic-carbonate shelf on the eastern Brazilian margin. <i>Journal of South American Earth Sciences</i> , 2015, 63, 125-136.	1.4	68
61	Baseline Assessment of Mesophotic Reefs of the Vit�ria-Trindade Seamount Chain Based on Water Quality, Microbial Diversity, Benthic Cover and Fish Biomass Data. <i>PLoS ONE</i> , 2015, 10, e0130084.	2.5	81
62	Sponges and fish facilitate succession from rhodolith beds to reefs. <i>Bulletin of Marine Science</i> , 2014, 91, 45-46.	0.8	23
63	Carbon Sequestration in a Large Hydroelectric Reservoir: An Integrative Seismic Approach. <i>Ecosystems</i> , 2014, 17, 430-441.	3.4	45
64	Traditional Ecological Knowledge and the mapping of benthic marine habitats. <i>Journal of Environmental Management</i> , 2013, 115, 241-250.	7.8	51
65	Buracas: Novel and unusual sinkhole-like features in the Abrolhos Bank. <i>Continental Shelf Research</i> , 2013, 70, 118-125.	1.8	43
66	Spatial patterns of benthic megahabitats and conservation planning in the Abrolhos Bank. <i>Continental Shelf Research</i> , 2013, 70, 109-117.	1.8	167
67	Sinkhole-like structures as bioproductivity hotspots in the Abrolhos Bank. <i>Continental Shelf Research</i> , 2013, 70, 126-134.	1.8	23
68	Sedimentological Sectorization of An Estuarine System In A Regressive Coast, Southeast Brazil. <i>Journal of Sedimentary Research</i> , 2013, 83, 994-1003.	1.6	6
69	Dynamics of Coral Reef Benthic Assemblages of the Abrolhos Bank, Eastern Brazil: Inferences on Natural and Anthropogenic Drivers. <i>PLoS ONE</i> , 2013, 8, e54260.	2.5	141
70	Rhodolith Beds Are Major CaCO ₃ Bio-Factories in the Tropical South West Atlantic. <i>PLoS ONE</i> , 2012, 7, e35171.	2.5	230
71	Extensive Rhodolith Beds Cover the Summits of Southwestern Atlantic Ocean Seamounts. <i>Journal of Coastal Research</i> , 2012, 279, 261-269.	0.3	60
72	Field observations of SPM using ADV, ADP, and OBS in a shallow estuarine system with low SPM concentration in Vit�ria Bay, SE Brazil. <i>Ocean Dynamics</i> , 2011, 61, 273-283.	2.2	16

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73	Occurrence of storm-generated bedforms along the inner continental shelf: Southeastern Brazil. Brazilian Journal of Oceanography, 2010, 58, 45-56.	0.6	7
74	Mid- to Late-Holocene estuarine infilling processes studied by radiocarbon dates, high resolution seismic and biofacies at Vitoria Bay, Espirito Santo, Southeastern Brazil. Anais Da Academia Brasileira De Ciencias, 2010, 82, 761-770.	0.8	17
75	Seabed sediment transport pathway investigations: review of scientific approach and methodologies. Geological Society Special Publication, 2007, 274, 127-146.	1.3	6
76	The Influence of Articulated and Disarticulated Cockle Shells on the Erosion of a Cohesive Bed. Journal of Coastal Research, 2007, 236, 1443-1451.	0.3	12
77	Characterization of buried inundated peat on seismic (Chirp) data, inferred from core information. Archaeological Prospection, 2007, 14, 261-272.	2.2	17
78	Sedimentary processes over an intertidal flat: A field investigation at Hythe flats, Southampton Water (UK). Marine Geology, 2007, 241, 117-136.	2.1	28
79	Short-term dynamics and maintenance processes of headland-associated sandbanks: Shambles Bank, English Channel, UK. Estuarine, Coastal and Shelf Science, 2004, 59, 33-47.	2.1	39
80	Morphology and internal structure of sand shoals and sandbanks off the Dorset coast, English Channel. Sedimentology, 2003, 50, 1105-1122.	3.1	18
81	Sedimentary processes, bedforms and facies, associated with a coastal headland: Portland Bill, Southern UK. Marine Geology, 2002, 187, 235-258.	2.1	46
82	Caracterizaço morfodinmica do litoral Norte Fluminense, RJ, Brasil. Revista Brasileira De Oceanografia, 2000, 48, 41-60.	0.2	23