Paulo Antunes Horta

List of Publications by Year
in descending order

116 papers	3,212 citations	117625 34 h-index	189892 50 g-index
120 all docs	120 docs citations	120 times ranked	3678 citing authors

#	Article	IF	Citations
1	Global controls on carbon storage in mangrove soils. Nature Climate Change, 2018, 8, 534-538.	18.8	216
2	Oil spill in South Atlantic (Brazil): Environmental and governmental disaster. Marine Policy, 2020, 115, 103879.	3.2	123
3	Coastal urbanization leads to remarkable seaweed species loss and community shifts along the SW Atlantic. Marine Pollution Bulletin, 2013, 76, 106-115.	5.0	107
4	The floating Sargassum (Phaeophyceae) of the South Atlantic Ocean â€“ likely scenarios. Phycologia, 2017, 56, 321-328.	1.4	85
5	Macroalgal responses to ocean acidification depend on nutrient and light levels. Frontiers in Marine Science, 2015, 2, .	2.5	77
6	Relationship between fibropapillomatosis and environmental quality: a case study with Chelonia mydas off Brazil. Diseases of Aquatic Organisms, 2010, 89, 87-95.	1.0	74
7	Scaling mangrove aboveground biomass from siteâ€level to continentalâ€scale. Global Ecology and Biogeography, 2016, 25, 286-298.	5.8	73
8	Golden carbon of Sargassum forests revealed as an opportunity for climate change mitigation. Science of the Total Environment, 2020, 729, 138745.	8.0	68
9	Rhodolith beds at the easternmost extreme of South America: Community structure of an endangered environment. Aquatic Botany, 2009, 90, 315-320.	1.6	63
10	Mesophyllum erubescens (Corallinales, Rhodophyta)â€”so many species in one epithet. Phytotaxa, 2014, 190, 299.	0.3	62
11	Between-Habitat Variation of Benthic Cover, Reef Fish Assemblage and Feeding Pressure on the Benthos at the Only Atoll in South Atlantic: Rocas Atoll, NE Brazil. PLoS ONE, 2015, 10, e0127176.	2.5	62
12	Effects of UVB radiation on the agarophyte Gracilaria domingensis (Rhodophyta, Gracilariales): Changes in cell organization, growth and photosynthetic performance. Micron, 2010, 41, 919-930.	2.2	61
13	Interactive effects of marine heatwaves and eutrophication on the ecophysiology of a widespread and ecologically important macroalga. Limnology and Oceanography, 2017, 62, 2056-2075.	3.1	61
14	The impact of coastal urbanization on the structure of phytobenthic communities in southern Brazil. Marine Pollution Bulletin, 2012, 64, 772-778.	5.0	60
15	Decrease in Lithothamnion sp. (Rhodophyta) primary production due to the deposition of a thin sediment layer. Journal of the Marine Biological Association of the United Kingdom, 2008, 88, 17-19.	0.8	57
16	A blueprint for securing Brazil's marine biodiversity and supporting the achievement of global conservation goals. Diversity and Distributions, 2021, 27, 198-215.	4.1	55
17	Rhodoliths in Brazil: Current knowledge and potential impacts of climate change. Brazilian Journal of Oceanography, 2016, 64, 117-136.	0.6	53
18	Cytotoxic Halogenated Metabolites from the Brazilian Red Alga Laurencia catarinensis. Journal of Natural Products, 2010, 73, 27-32.	3.0	52

#	Article	IF	Citations
19	Responses of the macroalgae Hypnea musciformis after in vitro exposure to UV-B. Aquatic Botany, 2012, 100, 8-17.	1.6	52
20	Coastal habitat degradation and green sea turtle diets in Southeastern Brazil. Marine Pollution Bulletin, 2011, 62, 1297-1302.	5.0	51
21	Feeding ecology of the green turtle (Chelonia mydas) at rocky reefs in western South Atlantic. Marine Biology, 2013, 160, 3169-3179.	1.5	50
22	Alterations in architecture and metabolism induced by ultraviolet radiation-B in the carragenophyte Chondracanthus teedei (Rhodophyta, Gigartinales). Protoplasma, 2012, 249, 353-367.	2.1	49
23	Antioxidant properties and total phenolic contents of some tropical seaweeds of the Brazilian coast. Journal of Applied Phycology, 2013, 25, 1179-1187.	2.8	49
24	Global environmental changes: setting priorities for Latin American coastal habitats. Global Change Biology, 2013, 19, 1965-1969.	9.5	48
25	Invasive potential of the coral Tubastraea coccinea in the southwest Atlantic. Marine Ecology - Progress Series, 2013, 480, 73-81.	1.9	47
26	Seagrass and Submerged Aquatic Vegetation (VAS) Habitats off the Coast of Brazil: state of knowledge, conservation and main threats. Brazilian Journal of Oceanography, 2016, 64, 53-80.	0.6	45
27	Reef fish structure and distribution in a south-western Atlantic Ocean tropical island. Journal of Fish Biology, 2011, 79, 1984-2006.	1.6	44
28	Seasonal and depth-driven changes in rhodolith bed structure and associated macroalgae off Arvoredo island (southeastern Brazil). Aquatic Botany, 2013, 111, 62-65.	1.6	44
29	Influences of cadmium on fine structure and metabolism of Hypnea musciformis (Rhodophyta,) Tj ETQq1 1 0.784314 rgBT /Overlock	2.1	42
30	Regional and local factors determining green turtle Chelonia mydas foraging relationships with the environment. Marine Ecology - Progress Series, 2015, 529, 265-277.	1.9	42
31	Effects of Cadmium on Growth, Photosynthetic Pigments, Photosynthetic Performance, Biochemical Parameters and Structure of Chloroplasts in the Agarophyte <i>Gracilaria domingensis</i> (Rhodophyta, Gracilariales). American Journal of Plant Sciences, 2012, 03, 1077-1084.	0.8	42
32	Anti-Infective Potential of Marine Invertebrates and Seaweeds from the Brazilian Coast. Molecules, 2013, 18, 5761-5778.	3.8	39
33	Environmental drivers of rhodolith beds and epiphytes community along the South Western Atlantic coast. Marine Environmental Research, 2020, 154, 104827.	2.5	38
34	Photosynthetic response of two seaweed species along an urban pollution gradient: Evidence of selection of pollution-tolerant species. Marine Pollution Bulletin, 2012, 64, 2380-2390.	5.0	37
35	Secondary succession impairment in restored mangroves. Wetlands Ecology and Management, 2012, 20, 447-459.	1.5	37
36	Seagrass can mitigate negative ocean acidification effects on calcifying algae. Scientific Reports, 2019, 9, 1932.	3.3	37

#	Article	IF	Citations
37	The influence of environmental features in the content of mycosporineâ€like amino acids in red marine algae along the Brazilian coast. Journal of Phycology, 2018, 54, 380-390.	2.3	35
38	Effects of copper and lead exposure on the ecophysiology of the brown seaweed Sargassum cymosum. Protoplasma, 2016, 253, 111-125.	2.1	34
39	Kelpsâ€™ Long-Distance Dispersal: Role of Ecological/Oceanographic Processes and Implications to Marine Forest Conservation. Diversity, 2018, 10, 11.	1.7	34
40	Effects of Ocean Acidification and Temperature Increases on the Photosynthesis of Tropical Reef Calcified Macroalgae. PLoS ONE, 2016, 11, e0154844.	2.5	31
41	Subtidal benthic marine algae of the Marine State Park of Laje de Santos (SÃ£o Paulo, Brazil). Brazilian Journal of Oceanography, 2006, 54, 225-234.	0.6	29
42	Marine Heatwaves, Sewage and Eutrophication Combine to Trigger Deoxygenation and Biodiversity Loss: A SW Atlantic Case Study. Frontiers in Marine Science, 2020, 7, .	2.5	29
43	Salinity critical threshold values for photosynthesis of two cosmopolitan seaweed species: Providing baselines for potential shifts on seaweed assemblages. Marine Environmental Research, 2013, 91, 14-25.	2.5	28
44	Bottom Trawling Threatens Future Climate Refugia of Rhodoliths Globally. Frontiers in Marine Science, 2021, 7, .	2.5	27
45	Decadal losses of canopyâ€forming algae along the warm temperate coastline of Brazil. Global Change Biology, 2020, 26, 1446-1457.	9.5	26
46	Population expansion of a tropical seagrass (Halophila decipiens) in the southwest Atlantic (Brazil). Aquatic Botany, 2016, 132, 30-36.	1.6	25
47	Isolation of elatol from Laurencia microcladia and its palatability to the sea urchin Echinometra lucunter. Biochemical Systematics and Ecology, 2009, 37, 254-259.	1.3	24
48	Brazil oil spill response: Protect rhodolith beds. Science, 2020, 367, 156-156.	12.6	24
49	Response of the agarophyte Gelidium floridanum after in vitro exposure to ultraviolet radiation B: changes in ultrastructure, pigments, and antioxidant systems. Journal of Applied Phycology, 2012, 24, 1341-1352.	2.8	23
50	Rhodolith primary and carbonate production in a changing ocean: The interplay of warming and nutrients. Science of the Total Environment, 2019, 676, 455-468.	8.0	22
51	Phytoremediation potential of Ulva ohnoi (Chlorophyta): Influence of temperature and salinity on the uptake efficiency and toxicity of cadmium. Ecotoxicology and Environmental Safety, 2019, 174, 334-343.	6.0	22
52	Major loss of coralline algal diversity in response to ocean acidification. Global Change Biology, 2021, 27, 4785-4798.	9.5	22
53	Direct Evidence for Gradual Ontogenetic Dietary Shift in the Green Turtle,Chelonia mydas. Chelonian Conservation and Biology, 2014, 13, 260-266.	0.6	20
54	Physiological and biochemical responses of a coralline alga and a sea urchin to climate change: Implications for herbivory. Marine Environmental Research, 2018, 142, 100-107.	2.5	20

#	Article	IF	Citations
55	Photoacclimation strategies in northeastern Atlantic seagrasses: Integrating responses across plant organizational levels. Scientific Reports, 2018, 8, 14825.	3.3	20
56	AvaliaÃ§Ã£o de extratos de macroalgas bÃªnticas do litoral catarinense utilizando o teste de letalidade para Artemia salina. Revista Brasileira De Farmacognosia, 2006, 16, 158-163.	1.4	19
57	The Western South Atlantic Ocean in a High-CO2 World: Current Measurement Capabilities and Perspectives. Environmental Management, 2016, 57, 740-752.	2.7	19
58	The brown seaweed Sargassum cymosum: changes in metabolism and cellular organization after long-term exposure to cadmium. Protoplasma, 2017, 254, 817-837.	2.1	19
59	Benthic marine algae of the coral reefs of Brazil: a literature review. Oecologia Australis, 2008, 12, 258-269.	0.2	19
60	Photosynthetic performance of restored and natural mangroves under different environmental constraints. Environmental Pollution, 2013, 181, 233-241.	7.5	18
61	Diversity, distribution, and environmental drivers of coralline red algae: the major reef builders in the Southwestern Atlantic. Coral Reefs, 2022, 41, 711-725.	2.2	18
62	Lithothamnion superpositum (Corallinales; Rhodophyta): First description for the Western Atlantic or rediscovery of a species?. Phycological Research, 2010, 58, 210-216.	1.6	17
63	Lithophyllum species from Brazilian coast: range extension of Lithophyllum margaritae and description of Lithophyllum atlanticum sp. nov. (Corallinales, Corallinophycidae, Rhodophyta). Phytotaxa, 2014, 190, 355.	0.3	17
64	Aspectos taxonÃ´micos de trÃªs espÃ©cies de CORALINÃCEAS nÃ£o geniculadas do litoral do estado da Bahia, Brasil. Rodriguesia, 2008, 59, 75-86.	0.9	17
65	Multivariate analyses of Antarctic and sub-Antarctic seaweed distribution patterns: An evaluation of the role of the Antarctic Circumpolar Current. Journal of Sea Research, 2016, 110, 29-38.	1.6	15
66	Cultivation of native seaweed Gracilaria domingensis (Rhodophyta) in Southern Brazil. Brazilian Archives of Biology and Technology, 2010, 53, 633-640.	0.5	14
67	Effects of temperature, salinity, irradiance, and nutrients on the development of carposporelings and tetrasporophytes in Gracilaria domingensis (KÃ¼tz.) Sonder ex Dickie (Rhodophyta,) Tj ETQq1 1 0.784314 rgBT /Overlock	1.2	14
68	The Effect of Cadmium Under Different Salinity Conditions on the Cellular Architecture and Metabolism in the Red Alga Pterocladiella capillacea (Rhodophyta, Gelidiales). Microscopy and Microanalysis, 2014, 20, 1411-1424.	0.4	14
69	Effects of eutrophic seawater and temperature on the physiology and morphology of Hypnea musciformis J. V. Lamouroux (Gigartinales, Rhodophyta). Ecotoxicology, 2015, 24, 1040-1052.	2.4	14
70	Spatial patterns and drivers of fish and benthic reef communities at SÃ£o TomÃ© Island, Tropical Eastern Atlantic. Marine Ecology, 2018, 39, e12520.	1.1	13
71	Morphology and reproduction of Anotrichium yagii (Ceramiales, Rhodophyta) â€“ a new invader seaweed in the American Atlantic?. Phycologia, 2000, 39, 390-394.	1.4	12
72	Physiological damages of Sargassum cymosum and Hypnea pseudomusciformis exposed to trace metals from mining tailing. Environmental Science and Pollution Research, 2019, 26, 36486-36498.	5.3	12

#	Article	IF	Citations
73	A new model of Algal Turf Scrubber for bioremediation and biomass production using seaweed aquaculture principles. Journal of Applied Phycology, 2021, 33, 2577-2586.	2.8	12
74	Taxonomic study of crustose coralline algae off the northeastern Brazilian coast. Phytotaxa, 2014, 190, 130.	0.3	11
75	UVR and PAR absorbing compounds of marine brown macroalgae along a latitudinal gradient of the Brazilian coast. Journal of Photochemistry and Photobiology B: Biology, 2018, 178, 165-174.	3.8	11
76	Growth and accumulation of carotenoids and nitrogen compounds in Gracilaria domingensis (KÃ¼tz.) Sonder ex Dickie (Gracilariales, Rhodophyta) cultured under different irradiance and nutrient levels. Revista Brasileira De Farmacognosia, 2011, 21, 255-261.	1.4	10
77	Structural and physiological responses of Halodule wrightii to ocean acidification. Protoplasma, 2018, 255, 629-641.	2.1	10
78	Unraveling interactions: do temperature and competition with native species affect the performance of the non-indigenous sun coral Tubastraea coccinea?. Coral Reefs, 2020, 39, 99-117.	2.2	10
79	How experimental physiology and ecological niche modelling can inform the management of marine bioinvasions?. Science of the Total Environment, 2020, 700, 134692.	8.0	10
80	Evaluation of impacts of climate change and local stressors on the biotechnological potential of marine macroalgae: a brief theoretical discussion of likely scenarios. Revista Brasileira De Farmacognosia, 2012, 22, 768-774.	1.4	10
81	Short-term interactive effects of increased temperatures and acidification on the calcifying macroalgae Lithothamnion crispatum and Sonderophycus capensis. Aquatic Botany, 2018, 148, 46-52.	1.6	9
82	Saxitoxins from the freshwater cyanobacterium Raphidiopsis raciborskii can contaminate marine mussels. Harmful Algae, 2021, 103, 102004.	4.8	9
83	First record of red macroalgae bloom in Southern Atlantic Brazil. Algae, 2016, 31, 33-39.	2.3	9
84	Cryptic diversity in non-geniculate coralline algae: a new genus Roseolithon (Hapalidiales,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 3 57, 227-250.	2.0	9
85	The effects of mining tailings in the physiology of benthic algae: Understanding the relation between mudâ€™s inductive acidification and the heavy metalâ€™s toxicity. Environmental and Experimental Botany, 2019, 167, 103818.	4.2	8
86	Reefâ€building coralline algae from the Southwest Atlantic: filling gaps with the recognition of Harveylithon (Corallinaceae, Rhodophyta) on the Brazilian coast. Journal of Phycology, 2019, 55, 1370-1385.	2.3	8
87	Influence of piers on functional groups of benthic primary producers and consumers in the channel of a subtropical coastal lagoon. Brazilian Journal of Oceanography, 2012, 60, 65-73.	0.6	8
88	Atividade antioxidante in vitro de extratos de algumas algas verdes (Chlorophyta) do litoral catarinense (Brasil). BJPS: Brazilian Journal of Pharmaceutical Sciences, 2004, 40, 495-503.	0.5	7
89	Seaweed chemical diversity: an additional and efficient tool for coastal evaluation. Journal of Applied Phycology, 2014, 26, 2037-2045.	2.8	7
90	Structure of macroalgal communities on tropical rocky shores inside and outside a marine protected area. Marine Environmental Research, 2017, 130, 150-156.	2.5	7

#	Article	IF	Citations
91	Multi-level phenotypic plasticity and the persistence of seagrasses along environmental gradients in a subtropical lagoon. Aquatic Botany, 2019, 157, 24-32.	1.6	7
92	Physiology, niche characteristics and extreme events: Current and future habitat suitability of a rhodolith-forming species in the Southwestern Atlantic. Marine Environmental Research, 2021, 169, 105394.	2.5	7
93	First record of the green alga Halimeda (Bryopsidales: Chlorophyta) at Rocas Atollâ€"natural dispersion or anthropogenic causes?. Marine Biodiversity Records, 2014, 7, .	1.2	5
94	Anatomical and ultrastructural adaptations of seagrass leaves: an evaluation of the southern Atlantic groups. Protoplasma, 2015, 252, 3-20.	2.1	5
95	Metabolic and cellular alterations induced by diesel oil in Hypnea musciformis (Wulfen) J. V. Lamour. (Gigartinales, Rhodophyta). Journal of Applied Phycology, 2013, 26, 1879.	2.8	4
96	Effects of UV-B radiation on Gelidium floridanum (Rhodophyta, Gelidiales): germination of tetraspores and early sporeling development. Journal of Applied Phycology, 2013, 25, 537-544.	2.8	4
97	Hypnea musciformis (Wulfen) J. V. Lamour. (Gigartinales, Rhodophyta) responses to gasoline short-term exposure: biochemical and cellular alterations. Acta Botanica Brasilica, 2019, 33, 116-127.	0.8	4
98	Interaction between salinity and phosphorus availability can influence seed production of Ulva ohnoi (Chlorophyta, Ulvales). Environmental and Experimental Botany, 2019, 167, 103860.	4.2	4
99	Ecophysiological implications of UV radiation in the interspecific interaction of Pyropia acanthophora and Grateloupia turuturu (Rhodophyta). Marine Environmental Research, 2019, 144, 36-45.	2.5	4
100	Calcification in free-living coralline algae is strongly influenced by morphology: Implications for susceptibility to ocean acidification. Scientific Reports, 2021, 11, 11232.	3.3	4
101	Dotyophycus pacificum I. A. Abbott (Liagoraceae, Rhodophyta) a new record for the Atlantic Ocean. Acta Botanica Brasilica, 2011, 25, 241-248.	0.8	3
102	Halimeda jolyana (Bryopsidales, Chlorophyta) presents higher vulnerability to metal pollution at its lower temperature limits of distribution. Environmental Science and Pollution Research, 2018, 25, 11775-11786.	5.3	3
103	Beta-1,3-glucanase inhibitors in Brazilian brown seaweed. Anais Da Academia Brasileira De Ciencias, 2021, 93, e20191402.	0.8	3
104	Morphology and reproduction of Predaea feldmannii BÃ¸rgesen (Nemastomataceae, Rhodophyta), an uncommon species from Brazil. Revista Brasileira De Botanica, 2004, 27, 507-513.	1.3	3
105	Functional redundancy and stability in a subtidal macroalgal community in the Southwestern Atlantic coast. Marine Environmental Research, 2022, 173, 105519.	2.5	3
106	Spongites yendoi (Foslie) Chamberlain (Corallinales, Rhodophyta) on the coast of Bahia, Brazil. Revista Brasileira De Botanica, 2014, 37, 637-641.	1.3	2
107	The genus Melobesia (Corallinales, Rhodophyta) from the subtropical South Atlantic, with the addition of M. rosanoffii (Foslie) Lemoine. Phytotaxa, 2014, 190, 268.	0.3	2
108	Strain selection in Chondracanthus teedei (Gigartinaceae, Rhodophyta) using tetraspore and carpospore progeny: growth rates, tolerance to temperature and carrageenan yield. Journal of Applied Phycology, 2021, 33, 2379-2390.	2.8	2

#	Article	IF	Citations
109	A review of common parameters and descriptors used in studies of the impacts of heavy metal pollution on marine macroalgae: identification of knowledge gaps and future needs. Acta Botanica Brasilica, 2020, 34, 460-477.	0.8	2
110	Some Delesseriaceae (Ceramiales, Rhodophyta) new to the southwestern Atlantic. Revista Brasileira De Botanica, 2001, 24, .	1.3	2
111	Rhodolith Physiology Across the Atlantic: Towards a Better Mechanistic Understanding of Intra- and Interspecific Differences. Frontiers in Marine Science, 0, 9, .	2.5	2
112	Monitoramento de banco de rodolitos. , 0, , 48-61.		1
113	Climate Change Feeds Climate Changes. International Journal of Hydrology, 2018, 2, .	0.6	1
114	Phenotypic Plasticity in Sargassum Forests May Not Counteract Projected Biomass Losses Along a Broad Latitudinal Gradient. Ecosystems, 2023, 26, 29-41.	3.4	1
115	Morfologia e reproduÃ§Ã£o de Chondria curvilineata F.S. Collins & Hervey (Rhodomelaceae,) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf	0.8	0
116	Macroalgas do Parcel do Carpinteiro - com a adiÃ§Ã£o de <I>Rhodymenia delicatula</I> (Rhodophyta) Ã flora brasileira<p>doi: 10.50007/2178-4574.2008v37p53. INSULA Revista De BotÃ¢nica, 2010, 37, .	0.0	0