Guillermo Diaz-Pulido

List of Publications by Year
in descending order

75	8,514	147726 31	88593 70
papers	citations	h-index	g-index

77	77	77	6930
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Changes in physiological performance and protein expression in the larvae of the coral Pocillopora damicornis and their symbionts in response to elevated temperature and acidification. Science of the Total Environment, 2022, 807, 151251.	3.9	3
2	Phymatolithopsis gen. nov. (Hapalidiales, Corallinophycidae, Rhodophyta) based on molecular and morphoâ€anatomical evidence. Journal of Phycology, 2022, 58, 161-178.	1.0	5
3	A traitâ€based framework for assessing the vulnerability of marine species to human impacts. Ecosphere, 2022, 13, .	1.0	14
4	Corallinapetrales and Corallinapetraceae: A new order and family of coralline red algae including Corallinapetra gabrielii comb. nov.. Journal of Phycology, 2021, 57, 849-862.	1.0	13
5	Physiological responses to temperature and ocean acidification in tropical fleshy macroalgae with varying affinities for inorganic carbon. ICES Journal of Marine Science, 2021, 78, 89-100.	1.2	10
6	Bioerosion of reef-building crustose coralline algae by endolithic invertebrates in an upwelling-influenced reef. Coral Reefs, 2021, 40, 651-662.	0.9	7
7	Phymatolithon atlanticum sp. nov. (Hapalidiales, Rhodophyta) from the northeast Atlantic Ocean. Phycologia, 2021, 60, 200-209.	0.6	4
8	Acclimation History of Elevated Temperature Reduces the Tolerance of Coralline Algae to Additional Acute Thermal Stress. Frontiers in Marine Science, 2021, 8, .	1.2	10
9	Global declines in coral reef calcium carbonate production under ocean acidification and warming. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	132
10	Evaluating bloom potential of the green-tide forming alga Ulva ohnoi under ocean acidification and warming. Science of the Total Environment, 2021, 769, 144443.	3.9	24
11	Rate and fate of dissolved organic carbon release by seaweeds: A missing link in the coastal ocean carbon cycle. Journal of Phycology, 2021, 57, 1375-1391.	1.0	44
12	Inorganic carbon uptake strategies in coralline algae: Plasticity across evolutionary lineages under ocean acidification and warming. Marine Environmental Research, 2020, 161, 105107.	1.1	19
13	Global warming offsets the ecophysiological stress of ocean acidification on temperate crustose coralline algae. Marine Pollution Bulletin, 2020, 157, 111324.	2.3	29
14	Plasticity of adult coralline algae to prolonged increased temperature and pCO2 exposure but reduced survival in their first generation. PLoS ONE, 2020, 15, e0235125.	1.1	10
15	CO 2 Enrichment Stimulates Dissolved Organic Carbon Release in Coral Reef Macroalgae. Journal of Phycology, 2020, 56, 1039-1052.	1.0	16
16	Priority species to support the functional integrity of coral reefs. , 2020, , 179-326.		16
17	Title is missing!. , 2020, 15, e0235125.		0
18	Title is missing!. , 2020, 15, e0235125.		0

#	Article	IF	Citations
19	Title is missing!. , 2020, 15, e0235125.		0
20	Title is missing!. , 2020, 15, e0235125.		0
21	De novo transcriptome assembly for four species of crustose coralline algae and analysis of unique orthologous genes. Scientific Reports, 2019, 9, 12611.	1.6	10
22	Coralline algal calcification: A morphological and process-based understanding. PLoS ONE, 2019, 14, e0221396.	1.1	42
23	Toward a Coordinated Global Observing System for Seagrasses and Marine Macroalgae. Frontiers in Marine Science, 2019, 6, .	1.2	123
24	Impacts of Ocean Warming on Coralline Algal Calcification: Meta-Analysis, Knowledge Gaps, and Key Recommendations for Future Research. Frontiers in Marine Science, 2019, 6, .	1.2	71
25	Elevated CO2 Leads to Enhanced Photosynthesis but Decreased Growth in Early Life Stages of Reef Building Coralline Algae. Frontiers in Marine Science, 2019, 5, .	1.2	20
26	Coralline algal metabolites induce settlement and mediate the inductive effect of epiphytic microbes on coral larvae. Scientific Reports, 2018, 8, 17557.	1.6	50
27	Coral bleaching in the southern inshore Great Barrier Reef: a case study from the Keppel Islands. Marine and Freshwater Research, 2018, 69, 191.	0.7	18
28	Genomics reveals abundant speciation in the coral reef building alga Porolithon onkodes (Corallinales, Rhodophyta). Journal of Phycology, 2018, 54, 429-434.	1.0	87
29	Crustose coralline algae and associated microbial biofilms deter seaweed settlement on coral reefs. Coral Reefs, 2017, 36, 453-462.	0.9	27
30	Effects of ocean acidification on the potency of macroalgal allelopathy to a common coral. Scientific Reports, 2017, 7, 41053.	1.6	29
31	Suitability of three fluorochrome markers for obtaining in situ growth rates of coralline algae. Journal of Experimental Marine Biology and Ecology, 2017, 490, 64-73.	0.7	9
32	Effects of elevated nutrients and CO 2 emission scenarios on three coral reef macroalgae. Harmful Algae, 2017, 65, 40-51.	2.2	23
33	Global warming and recurrent mass bleaching of corals. Nature, 2017, 543, 373-377.	13.7	2,363
34	Presence of skeletal banding in a reef-building tropical crustose coralline alga. PLoS ONE, 2017, 12, e0185124.	1.1	6
35	Reduced spore germination explains sensitivity of reef-building algae to climate change stressors. PLoS ONE, 2017, 12, e0189122.	1.1	19
36	Seasonal growth and calcification of a reef-building crustose coralline alga on the Great Barrier Reef. Marine Ecology - Progress Series, 2017, 568, 73-86.	0.9	13

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37	Comparison of recruitment tile materials for monitoring coralline algae responses to a changing climate. Marine Ecology - Progress Series, 2017, 569, 129-144.	0.9	27
38	Ocean acidification influences the biomass and diversity of reef-associated turf algal communities. Marine Biology, 2016, 163, 1.	0.7	20
39	Strategies of dissolved inorganic carbon use in macroalgae across a gradient of terrestrial influence: implications for the Great Barrier Reef in the context of ocean acidification. Coral Reefs, 2016, 35, 1327-1341.	0.9	43
40	Effects of â€œReducedâ€•and â€œBusiness-As-Usualâ€•CO2 Emission Scenarios on the Algal Territories of the Damselfish Pomacentrus wardi (Pomacentridae). PLoS ONE, 2015, 10, e0131442.	1.1	11
41	Morphological and molecular assessment ofSargassum(Fucales, Phaeophyceae) from Caribbean Colombia, including the proposal ofSargassum giganteumsp. nov.,Sargassum schnettericomb. nov. andSargassumsectionCladophyllumsect. nov.. Systematics and Biodiversity, 2015, 13, 105-130.	0.5	23
42	Greenhouse conditions induce mineralogical changes and dolomite accumulation in coralline algae on tropical reefs. Nature Communications, 2014, 5, 3310.	5.8	89
43	The impact of <scp><scp>CO₂</scp></scp> emission scenarios and nutrient enrichment on a common coral reef macroalga is modified by temporal effects. Journal of Phycology, 2014, 50, 203-215.	1.0	18
44	Relative roles of endolithic algae and carbonate chemistry variability in the skeletal dissolution of crustose coralline algae. Biogeosciences, 2014, 11, 4615-4626.	1.3	21
45	Warming and acidification promote cyanobacterial dominance in turf algal assemblages. Marine Ecology - Progress Series, 2014, 517, 271-284.	0.9	27
46	Effects of Ocean Acidification on Population Dynamics and Community Structure of Crustose Coralline Algae. Biological Bulletin, 2014, 226, 255-268.	0.7	32
47	Dolomite-rich coralline algae in reefs resist dissolution in acidified conditions. Nature Climate Change, 2013, 3, 268-272.	8.1	90
48	High CO<sub>2 reduces the settlement of a spawning coral on three common species of crustose coralline algae. Marine Ecology - Progress Series, 2013, 475, 93-99.	0.9	46
49	Ocean acidification and warming scenarios increase microbioerosion of coral skeletons. Global Change Biology, 2013, 19, 1919-1929.	4.2	122
50	Benthic buffers and boosters of ocean acidification on coral reefs. Biogeosciences, 2013, 10, 4897-4909.	1.3	59
51	Interactions among chronic and acute impacts on coral recruits: the importance of sizeâ€escape thresholds. Ecology, 2012, 93, 2131-2138.	1.5	75
52	INTERACTIONS BETWEEN OCEAN ACIDIFICATION AND WARMING ON THE MORTALITY AND DISSOLUTION OF CORALLINE ALGAE¹. Journal of Phycology, 2012, 48, 32-39.	1.0	166
53	Effects of macroalgae on corals recovering from disturbance. Journal of Experimental Marine Biology and Ecology, 2012, 429, 15-19.	0.7	27
54	Ocean acidification reduces coral recruitment by disrupting intimate larvalâ€algal settlement interactions. Ecology Letters, 2012, 15, 338-346.	3.0	185

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55	From microbes to people. Oceanography and Marine Biology, 2011, , .	1.0	23
56	High CO₂ enhances the competitive strength of seaweeds over corals. Ecology Letters, 2011, 14, 156-162.	3.0	180
57	Effects of ocean acidification on microbial community composition of, and oxygen fluxes through, biofilms from the Great Barrier Reef. Environmental Microbiology, 2011, 13, 2976-2989.	1.8	139
58	Ocean acidification and warming will lower coral reef resilience. Global Change Biology, 2011, 17, 1798-1808.	4.2	277
59	Macroalgae reduce growth of juvenile corals but protect them from parrotfish damage. Marine Ecology - Progress Series, 2011, 421, 109-115.	0.9	46
60	The impact of benthic algae on the settlement of a reef-building coral. Coral Reefs, 2010, 29, 203-208.	0.9	112
61	Presence of Symbiodinium spp. in macroalgal microhabitats from the southern Great Barrier Reef. Coral Reefs, 2010, 29, 1049-1060.	0.9	28
62	Caribbean Corals in Crisis: Record Thermal Stress, Bleaching, and Mortality in 2005. PLoS ONE, 2010, 5, e13969.	1.1	517
63	Doom and Boom on a Resilient Reef: Climate Change, Algal Overgrowth and Coral Recovery. PLoS ONE, 2009, 4, e5239.	1.1	262
64	Ocean acidification causes bleaching and productivity loss in coral reef builders. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 17442-17446.	3.3	1,026
65	Effects Of Benthic Algae On The Replenishment Of Corals And The Implications For The Resilience Of Coral Reefs. Oceanography and Marine Biology, 2008, , 25-63.	1.0	183
66	Herbivory effects on the morphology of the brown alga Padina boergesenii (Phaeophyta). Phycologia, 2007, 46, 131-136.	0.6	23
67	Cyclone promotes rapid colonisation of benthic diatoms in the Great Barrier Reef. Coral Reefs, 2007, 26, 787-787.	0.9	6
68	Effects of nutrient enhancement on the fecundity of a coral reef macroalga. Journal of Experimental Marine Biology and Ecology, 2005, 317, 13-24.	0.7	32
69	Effects of live coral, epilithic algal communities and substrate type on algal recruitment. Coral Reefs, 2004, 23, 225.	0.9	60
70	¹H-NMR Study of Na Alginates Extracted from Sargassum spp. in Relation to Metal Biosorption. Applied Biochemistry and Biotechnology, 2003, 110, 75-90.	1.4	102
71	RELATIVE ROLES OF HERBIVORY AND NUTRIENTS IN THE RECRUITMENT OF CORAL-REEF SEAWEEDS. Ecology, 2003, 84, 2026-2033.	1.5	97
72	The fate of bleached corals: patterns and dynamics of algal recruitment. Marine Ecology - Progress Series, 2002, 232, 115-128.	0.9	224

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73	Competition between corals and algae on coral reefs: a review of evidence and mechanisms. Coral Reefs, 2001, 19, 400-417.	0.9	802
74	Distribution and structure of the southernmost Caribbean coral reefs: golfo de UrabÃ¡, Colombia. Scientia Marina, 2000, 64, 327-336.	0.3	17
75	Marine algae from the oceanic atolls in the southwestern Caribbean (Albuquerque Cays, Courtown) Tj ETQq1 1 0.784314 rgBT /Overl	0.2	11