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	Global warming and recurrent mass bleaching of corals. Nature, 2017, 543, 373-377.	13.7	2,363
2	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
3	Competition between corals and algae on coral reefs: a review of evidence and mechanisms. Coral Reefs, 2001, 19, 400-417.	0.9	802
4	Caribbean Corals in Crisis: Record Thermal Stress, Bleaching, and Mortality in 2005. PLoS ONE, 2010, 5, e13969.	1.1	517
5	Ocean acidification and warming will lower coral reef resilience. Global Change Biology, 2011, 17, 1798-1808.	4.2	277
6	Doom and Boom on a Resilient Reef: Climate Change, Algal Overgrowth and Coral Recovery. PLoS ONE, 2009, 4, e5239.	1.1	262
7	The fate of bleached corals: patterns and dynamics of algal recruitment. Marine Ecology - Progress Series, 2002, 232, 115-128.	0.9	224
8	Ocean acidification reduces coral recruitment by disrupting intimate larvalâ€algal settlement interactions. Ecology Letters, 2012, 15, 338-346.	3.0	185
9	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
10	High CO₂ enhances the competitive strength of seaweeds over corals. Ecology Letters, 2011, 14, 156-162.	3.0	180
11	INTERACTIONS BETWEEN OCEAN ACIDIFICATION AND WARMING ON THE MORTALITY AND DISSOLUTION OF CORALLINE ALGAE¹. Journal of Phycology, 2012, 48, 32-39.	1.0	166
12	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
13	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
14	Toward a Coordinated Global Observing System for Seagrasses and Marine Macroalgae. Frontiers in Marine Science, 2019, 6, .	1.2	123
15	Ocean acidification and warming scenarios increase microbioerosion of coral skeletons. Global Change Biology, 2013, 19, 1919-1929.	4.2	122
16	The impact of benthic algae on the settlement of a reef-building coral. Coral Reefs, 2010, 29, 203-208.	0.9	112
17	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
18	RELATIVE ROLES OF HERBIVORY AND NUTRIENTS IN THE RECRUITMENT OF CORAL-REEF SEAWEEDS. Ecology, 2003, 84, 2026-2033.	1.5	97

#	Article	IF	Citations
19	Dolomite-rich coralline algae in reefs resist dissolution in acidified conditions. Nature Climate Change, 2013, 3, 268-272.	8.1	90
20	Greenhouse conditions induce mineralogical changes and dolomite accumulation in coralline algae on tropical reefs. Nature Communications, 2014, 5, 3310.	5.8	89
21	Genomics reveals abundant speciation in the coral reef building alga Porolithon onkodes (Corallinales, Rhodophyta). Journal of Phycology, 2018, 54, 429-434.	1.0	87
22	Interactions among chronic and acute impacts on coral recruits: the importance of sizeâ€escape thresholds. Ecology, 2012, 93, 2131-2138.	1.5	75
23	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
24	Effects of live coral, epilithic algal communities and substrate type on algal recruitment. Coral Reefs, 2004, 23, 225.	0.9	60
25	Benthic buffers and boosters of ocean acidification on coral reefs. Biogeosciences, 2013, 10, 4897-4909.	1.3	59
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	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
28	Macroalgae reduce growth of juvenile corals but protect them from parrotfish damage. Marine Ecology - Progress Series, 2011, 421, 109-115.	0.9	46
29	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
30	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
31	Coralline algal calcification: A morphological and process-based understanding. PLoS ONE, 2019, 14, e0221396.	1.1	42
32	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
33	Effects of Ocean Acidification on Population Dynamics and Community Structure of Crustose Coralline Algae. Biological Bulletin, 2014, 226, 255-268.	0.7	32
34	Effects of ocean acidification on the potency of macroalgal allelopathy to a common coral. Scientific Reports, 2017, 7, 41053.	1.6	29
35	Global warming offsets the ecophysiological stress of ocean acidification on temperate crustose coralline algae. Marine Pollution Bulletin, 2020, 157, 111324.	2.3	29
36	Presence of Symbiodinium spp. in macroalgal microhabitats from the southern Great Barrier Reef. Coral Reefs, 2010, 29, 1049-1060.	0.9	28

#	Article	IF	Citations
37	Effects of macroalgae on corals recovering from disturbance. Journal of Experimental Marine Biology and Ecology, 2012, 429, 15-19.	0.7	27
38	Warming and acidification promote cyanobacterial dominance in turf algal assemblages. Marine Ecology - Progress Series, 2014, 517, 271-284.	0.9	27
39	Crustose coralline algae and associated microbial biofilms deter seaweed settlement on coral reefs. Coral Reefs, 2017, 36, 453-462.	0.9	27
40	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
41	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
42	Herbivory effects on the morphology of the brown alga Padina boergesenii (Phaeophyta). Phycologia, 2007, 46, 131-136.	0.6	23
43	From microbes to people. Oceanography and Marine Biology, 2011, , .	1.0	23
44	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
45	Effects of elevated nutrients and CO 2 emission scenarios on three coral reef macroalgae. Harmful Algae, 2017, 65, 40-51.	2.2	23
46	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
47	Ocean acidification influences the biomass and diversity of reef-associated turf algal communities. Marine Biology, 2016, 163, 1.	0.7	20
48	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
49	Reduced spore germination explains sensitivity of reef-building algae to climate change stressors. PLoS ONE, 2017, 12, e0189122.	1.1	19
50	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
51	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
52	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
53	Distribution and structure of the southernmost Caribbean coral reefs: golfo de UrabÃ¡, Colombia. Scientia Marina, 2000, 64, 327-336.	0.3	17
54	CO 2 Enrichment Stimulates Dissolved Organic Carbon Release in Coral Reef Macroalgae. Journal of Phycology, 2020, 56, 1039-1052.	1.0	16

#	Article	IF	Citations
55	Priority species to support the functional integrity of coral reefs. , 2020, , 179-326.		16
56	A traitâ€based framework for assessing the vulnerability of marine species to human impacts. Ecosphere, 2022, 13, .	1.0	14
57	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
58	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
59	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
60	Marine algae from the oceanic atolls in the southwestern Caribbean (Albuquerque Cays, Courtown) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	0.2	11
61	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
62	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
63	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
64	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
65	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
66	Bioerosion of reef-building crustose coralline algae by endolithic invertebrates in an upwelling-influenced reef. Coral Reefs, 2021, 40, 651-662.	0.9	7
67	Cyclone promotes rapid colonisation of benthic diatoms in the Great Barrier Reef. Coral Reefs, 2007, 26, 787-787.	0.9	6
68	Presence of skeletal banding in a reef-building tropical crustose coralline alga. PLoS ONE, 2017, 12, e0185124.	1.1	6
69	Phymatolithopsis gen. nov. (Hapalidiales, Corallinophycidae, Rhodophyta) based on molecular and morphoâ€anatomical evidence. Journal of Phycology, 2022, 58, 161-178.	1.0	5
70	Phymatolithon atlanticum sp. nov. (Hapalidiales, Rhodophyta) from the northeast Atlantic Ocean. Phycologia, 2021, 60, 200-209.	0.6	4
71	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
72	Title is missing!. , 2020, 15, e0235125.		0

#	Article	IF	Citations
73	Title is missing!. , 2020, 15, e0235125.		0
74	Title is missing!. , 2020, 15, e0235125.		0
75	Title is missing!. , 2020, 15, e0235125.		0