

# Christian Wild

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/2221010/christian-wild-publications-by-citations.pdf>

**Version:** 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

93  
papers

2,424  
citations

24  
h-index

46  
g-index

102  
ext. papers

3,147  
ext. citations

4.4  
avg, IF

5.13  
L-index

#	Paper	IF	Citations
93	Coral mucus functions as an energy carrier and particle trap in the reef ecosystem. <i>Nature</i> , <b>2004</b> , 428, 66-70	50.4	395
92	Nitrogen cycling in corals: the key to understanding holobiont functioning?. <i>Trends in Microbiology</i> , <b>2015</b> , 23, 490-7	12.4	249
91	Climate change impedes scleractinian corals as primary reef ecosystem engineers. <i>Marine and Freshwater Research</i> , <b>2011</b> , 62, 205	2.2	165
90	Coral surface area quantification—evaluation of established techniques by comparison with computer tomography. <i>Coral Reefs</i> , <b>2009</b> , 28, 109-117	4.2	111
89	Differential recycling of coral and algal dissolved organic matter via the sponge loop. <i>Functional Ecology</i> , <b>2017</b> , 31, 778-789	5.6	81
88	Sugar enrichment provides evidence for a role of nitrogen fixation in coral bleaching. <i>Global Change Biology</i> , <b>2017</b> , 23, 3838-3848	11.4	76
87	In-situ effects of eutrophication and overfishing on physiology and bacterial diversity of the red sea coral <i>Acropora hemprichii</i> . <i>PLoS ONE</i> , <b>2013</b> , 8, e62091	3.7	70
86	Organic matter release by coral reef associated benthic algae in the Northern Red Sea. <i>Journal of Experimental Marine Biology and Ecology</i> , <b>2010</b> , 389, 53-60	2.1	68
85	Functional significance of dinitrogen fixation in sustaining coral productivity under oligotrophic conditions. <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>2015</b> , 282, 20152257	4.4	63
84	Benthic N <sub>2</sub> fixation in coral reefs and the potential effects of human-induced environmental change. <i>Ecology and Evolution</i> , <b>2014</b> , 4, 1706-27	2.8	61
83	Benthic metabolism and degradation of natural particulate organic matter in carbonate and silicate reef sands of the northern Red Sea. <i>Marine Ecology - Progress Series</i> , <b>2005</b> , 298, 69-78	2.6	56
82	Reef sponges facilitate the transfer of coral-derived organic matter to their associated fauna via the sponge loop. <i>Marine Ecology - Progress Series</i> , <b>2018</b> , 589, 85-96	2.6	51
81	Heat stress destabilizes symbiotic nutrient cycling in corals. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2021</b> , 118,	11.5	47
80	Fish herbivory as key ecological function in a heavily degraded coral reef system. <i>Limnology and Oceanography</i> , <b>2015</b> , 60, 1382-1391	4.8	40
79	Budget of Primary Production and Dinitrogen Fixation in a Highly Seasonal Red Sea Coral Reef. <i>Ecosystems</i> , <b>2016</b> , 19, 771-785	3.9	36
78	Seasonal variation in dinitrogen fixation and oxygen fluxes associated with two dominant zooxanthellate soft corals from the northern Red Sea. <i>Marine Ecology - Progress Series</i> , <b>2015</b> , 519, 141-152	2.6	36
77	Excess labile carbon promotes the expression of virulence factors in coral reef bacterioplankton. <i>ISME Journal</i> , <b>2018</b> , 12, 59-76	11.9	34

76	Nitrogen Fixation Aligns with Abundance and Expression in Two Coral Trophic Functional Groups. <i>Frontiers in Microbiology</i> , <b>2017</b> , 8, 1187	5.7	33
75	Microbial dinitrogen fixation in coral holobionts exposed to thermal stress and bleaching. <i>Environmental Microbiology</i> , <b>2016</b> , 18, 2620-33	5.2	31
74	Impacts of a high-discharge submarine sewage outfall on water quality in the coastal zone of Salvador (Bahia, Brazil). <i>Marine Pollution Bulletin</i> , <b>2016</b> , 106, 43-8	6.7	31
73	Seasonality in dinitrogen fixation and primary productivity by coral reef framework substrates from the northern Red Sea. <i>Marine Ecology - Progress Series</i> , <b>2015</b> , 533, 79-92	2.6	27
72	Calcareous green alga <i>Halimeda</i> tolerates ocean acidification conditions at tropical carbon dioxide seeps. <i>Limnology and Oceanography</i> , <b>2015</b> , 60, 263-275	4.8	25
71	Ocean acidification rapidly reduces dinitrogen fixation associated with the hermatypic coral <i>Seriatopora hystrix</i> . <i>Marine Ecology - Progress Series</i> , <b>2014</b> , 511, 297-302	2.6	24
70	Effects of elevated pCO <sub>2</sub> and feeding on net calcification and energy budget of the Mediterranean cold-water coral <i>Madrepora oculata</i> . <i>Journal of Experimental Biology</i> , <b>2016</b> , 219, 3208-3217	3	24
69	Coral reef degradation affects the potential for reef recovery after disturbance. <i>Marine Environmental Research</i> , <b>2018</b> , 142, 48-58	3.3	23
68	Benthic primary production budget of a Caribbean reef lagoon (Puerto Morelos, Mexico). <i>PLoS ONE</i> , <b>2013</b> , 8, e82923	3.7	22
67	Patterns and trends in coral reef macroalgae browsing: a review of browsing herbivorous fishes of the Indo-Pacific. <i>Reviews in Fish Biology and Fisheries</i> , <b>2016</b> , 26, 53-70	6	21
66	Budget of coral-derived organic carbon in a fringing coral reef of the Gulf of Aqaba, Red Sea. <i>Journal of Marine Systems</i> , <b>2012</b> , 105-108, 20-29	2.7	19
65	Dinitrogen fixation and primary productivity by carbonate and silicate reef sand communities of the Northern Red Sea. <i>Marine Ecology - Progress Series</i> , <b>2015</b> , 527, 47-57	2.6	19
64	Denitrification Aligns with N Fixation in Red Sea Corals. <i>Scientific Reports</i> , <b>2019</b> , 9, 19460	4.9	18
63	The "Flexi-Chamber": A Novel Cost-Effective In Situ Respirometry Chamber for Coral Physiological Measurements. <i>PLoS ONE</i> , <b>2015</b> , 10, e0138800	3.7	16
62	Benthic primary production in an upwelling-influenced coral reef, Colombian Caribbean. <i>PeerJ</i> , <b>2014</b> , 2, e554	3.1	16
61	A meta-analysis to assess long-term spatiotemporal changes of benthic coral and macroalgae cover in the Mexican Caribbean. <i>Scientific Reports</i> , <b>2020</b> , 10, 8897	4.9	16
60	N <sub>2</sub> fixation and primary productivity in a red sea <i>Halophila stipulacea</i> meadow exposed to seasonality. <i>Limnology and Oceanography</i> , <b>2018</b> , 63, 786-798	4.8	16
59	Stimulated Respiration and Net Photosynthesis in <i>Cassiopeia</i> sp. during Glucose Enrichment Suggests in hospite CO <sub>2</sub> Limitation of Algal Endosymbionts. <i>Frontiers in Marine Science</i> , <b>2017</b> , 4,	4.5	15

58	Abundance and physiology of dominant soft corals linked to water quality in Jakarta Bay, Indonesia. <i>PeerJ</i> , <b>2016</b> , 4, e2625	3.1	15
57	An in situ approach for measuring biogeochemical fluxes in structurally complex benthic communities. <i>Methods in Ecology and Evolution</i> , <b>2019</b> , 10, 712-725	7.7	15
56	Upwelling Increases Net Primary Production of Corals and Reef-Wide Gross Primary Production Along the Pacific Coast of Costa Rica. <i>Frontiers in Marine Science</i> , <b>2015</b> , 2,	4.5	14
55	Effects of simulated eutrophication and overfishing on algae and invertebrate settlement in a coral reef of Koh Phangan, Gulf of Thailand. <i>Marine Pollution Bulletin</i> , <b>2015</b> , 92, 35-44	6.7	14
54	In situ effects of simulated overfishing and eutrophication on settlement of benthic coral reef invertebrates in the Central Red Sea. <i>PeerJ</i> , <b>2014</b> , 2, e339	3.1	14
53	Nitrogen eutrophication particularly promotes turf algae in coral reefs of the central Red Sea. <i>PeerJ</i> , <b>2020</b> , 8, e8737	3.1	14
52	Physiological Response of the Hard Coral <i>Pocillopora verrucosa</i> from Lombok, Indonesia, to Two Common Pollutants in Combination with High Temperature. <i>PLoS ONE</i> , <b>2015</b> , 10, e0142744	3.7	13
51	Vulnerability of global coral reef habitat suitability to ocean warming, acidification and eutrophication. <i>Global Change Biology</i> , <b>2020</b> , 26, 5646-5660	11.4	13
50	Contrasting seasonal responses in dinitrogen fixation between shallow and deep-water colonies of the model coral <i>Stylophora pistillata</i> in the northern Red Sea. <i>PLoS ONE</i> , <b>2018</b> , 13, e0199022	3.7	13
49	High sedimentary oxygen consumption indicates that sewage input from small islands drives benthic community shifts on overfished reefs. <i>Environmental Conservation</i> , <b>2017</b> , 44, 405-411	3.3	12
48	Effects of simulated overfishing on the succession of benthic algae and invertebrates in an upwelling-influenced coral reef of Pacific Costa Rica. <i>Journal of Experimental Marine Biology and Ecology</i> , <b>2015</b> , 468, 55-66	2.1	12
47	Effects of sandfish () removal on shallow-water sediments in Fiji. <i>PeerJ</i> , <b>2018</b> , 6, e4773	3.1	12
46	Turf algae-mediated coral damage in coastal reefs of Belize, Central America. <i>PeerJ</i> , <b>2014</b> , 2, e571	3.1	12
45	In situ eutrophication stimulates dinitrogen fixation, denitrification, and productivity in Red Sea coral reefs. <i>Marine Ecology - Progress Series</i> , <b>2020</b> , 645, 55-66	2.6	11
44	The influence of seasonality on benthic primary production in a Red Sea coral reef. <i>Marine Biology</i> , <b>2016</b> , 163, 1	2.5	11
43	Dynamics in benthic community composition and influencing factors in an upwelling-exposed coral reef on the Pacific coast of Costa Rica. <i>PeerJ</i> , <b>2015</b> , 3, e1434	3.1	10
42	Aqueous extracts of the marine brown alga <i>Lobophora variegata</i> inhibit HIV-1 infection at the level of virus entry into cells. <i>PLoS ONE</i> , <b>2014</b> , 9, e103895	3.7	10
41	Rapid bioerosion in a tropical upwelling coral reef. <i>PLoS ONE</i> , <b>2018</b> , 13, e0202887	3.7	10

40	Effect of water currents on organic matter release by two scleractinian corals. <i>Aquatic Ecology</i> , <b>2012</b> , 46, 335-341	1.9	9
39	The physiological response of two green calcifying algae from the Great Barrier Reef towards high dissolved inorganic and organic carbon (DIC and DOC) availability. <i>PLoS ONE</i> , <b>2015</b> , 10, e0133596	3.7	9
38	Seasonality affects dinitrogen fixation associated with two common macroalgae from a coral reef in the northern Red Sea. <i>Marine Ecology - Progress Series</i> , <b>2017</b> , 575, 69-80	2.6	9
37	High summer temperatures amplify functional differences between coral- and algae-dominated reef communities. <i>Ecology</i> , <b>2021</b> , 102, e03226	4.6	9
36	Mineralization of particulate organic matter derived from coral-reef organisms in reef sediments of the Gulf of Aqaba. <i>Chemistry and Ecology</i> , <b>2006</b> , 22, 13-20	2.3	8
35	Ongoing removals of invasive lionfish in Honduras and their effect on native Caribbean prey fishes. <i>PeerJ</i> , <b>2017</b> , 5, e3818	3.1	8
34	Spatial and temporal distribution of the invasive lionfish <i>Pterois volitans</i> in coral reefs of Tayrona National Natural Park, Colombian Caribbean. <i>PeerJ</i> , <b>2014</b> , 2, e397	3.1	8
33	Rebuilding Coral Reefs: A Decadal Grand Challenge		8
32	Organic eutrophication increases resistance of the pulsating soft coral to warming. <i>PeerJ</i> , <b>2020</b> , 8, e91823	3.1	7
31	Effects of Water Column Mixing and Stratification on Planktonic Primary Production and Dinitrogen Fixation on a Northern Red Sea Coral Reef. <i>Frontiers in Microbiology</i> , <b>2018</b> , 9, 2351	5.7	7
30	Early trajectories of benthic coral reef communities following the 2015/16 coral bleaching event at remote Aldabra Atoll, Seychelles. <i>Scientific Reports</i> , <b>2020</b> , 10, 17034	4.9	6
29	Relative Diazotroph Abundance in Symbiotic Red Sea Corals Decreases With Water Depth. <i>Frontiers in Marine Science</i> , <b>2019</b> , 6,	4.5	6
28	High rates of carbon and dinitrogen fixation suggest a critical role of benthic pioneer communities in the energy and nutrient dynamics of coral reefs. <i>Functional Ecology</i> , <b>2020</b> , 34, 1991-2004	5.6	5
27	Interactive effects of ocean acidification and warming on coral reef associated epilithic algal communities under past, present-day and future ocean conditions. <i>Coral Reefs</i> , <b>2016</b> , 35, 715-728	4.2	5
26	Massive coral tissue ablations in reefs of Pacific Costa Rica. <i>Galaxea</i> , <b>2014</b> , 16, 13-14	0.5	5
25	Simulated overfishing and natural eutrophication promote the relative success of a non-indigenous ascidian in coral reefs at the Pacific coast of Costa Rica. <i>Aquatic Invasions</i> , <b>2017</b> , 12, 435-446	2.9	5
24	Light induced intraspecific variability in response to thermal stress in the hard coral. <i>PeerJ</i> , <b>2017</b> , 5, e38021	3.1	5
23	Mediterranean Red Macro Algae Mats as Habitat for High Abundances of Serpulid Polychaetes. <i>Diversity</i> , <b>2021</b> , 13, 265	2.5	5

22	Nitrogen fixation and denitrification activity differ between coral- and algae-dominated Red Sea reefs. <i>Scientific Reports</i> , <b>2021</b> , 11, 11820	4.9	4
21	Photosynthesis and respiration of the soft coral respond to warming but not to organic carbon eutrophication. <i>PeerJ</i> , <b>2021</b> , 9, e11663	3.1	4
20	How Does the Sexual Reproduction of Marine Life Respond to Ocean Acidification?. <i>Diversity</i> , <b>2020</b> , 12, 241	2.5	3
19	Heat stress reduces the contribution of diazotrophs to coral holobiont nitrogen cycling. <i>ISME Journal</i> , <b>2021</b> ,	11.9	3
18	Positive association between epiphytes and competitiveness of the brown algal genus against corals. <i>PeerJ</i> , <b>2019</b> , 7, e6380	3.1	3
17	Nutrient pollution enhances productivity and framework dissolution in algae- but not in coral-dominated reef communities. <i>Marine Pollution Bulletin</i> , <b>2021</b> , 168, 112444	6.7	3
16	Fleshy Red Algae Mats Influence Their Environment in the Mediterranean Sea. <i>Frontiers in Marine Science</i> , <b>2021</b> , 8,	4.5	3
15	Contrasting microbiome dynamics of putative denitrifying bacteria in two octocoral species exposed to dissolved organic carbon (DOC) and warming. <i>Applied and Environmental Microbiology</i> , <b>2021</b> , AEM0188621	4.8	2
14	Parasite Fauna of the White-Strreaked Grouper ( <i>Epinephelus ongus</i> ) from the Thousand Islands, Java, Indonesia. <i>Acta Parasitologica</i> , <b>2021</b> , 66, 543-552	1.7	2
13	Coral Reef Recovery in the Mexican Caribbean after 2005 Mass Coral Mortality Potential Drivers. <i>Diversity</i> , <b>2020</b> , 12, 338	2.5	2
12	The Rabbitfish <i>Siganus virgatus</i> as Key Macroalgae Browser in Coral Reefs of the Gulf of Thailand. <i>Diversity</i> , <b>2021</b> , 13, 123	2.5	2
11	Relative abundance of nitrogen cycling microbes in coral holobionts reflects environmental nitrate availability. <i>Royal Society Open Science</i> , <b>2021</b> , 8, 201835	3.3	2
10	High plasticity of nitrogen fixation and denitrification of common coral reef substrates in response to nitrate availability. <i>Marine Pollution Bulletin</i> , <b>2021</b> , 168, 112430	6.7	2
9	New Insights into a Mediterranean Sea Benthic Habitat: High Diversity of Epiphytic Bryozoan Assemblages on <i>Phyllophora crispa</i> (Rhodophyta) Mats. <i>Diversity</i> , <b>2022</b> , 14, 346	2.5	2
8	A carbonate platform associated with shallow cold methane seeps in Golfo Dulce, Pacific Costa Rica. <i>Galaxea</i> , <b>2015</b> , 17, 13-14	0.5	1
7	High Diversity and Abundance of Foraminifera Associated with Mediterranean Benthic Red Algae Mats. <i>Diversity</i> , <b>2022</b> , 14, 21	2.5	1
6	First insights into coral recruit and juvenile abundances at remote Aldabra Atoll, Seychelles. <i>PLoS ONE</i> , <b>2021</b> , 16, e0260516	3.7	0
5	Metazoan endoparasite fauna and feeding ecology of commercial fishes from Java, Indonesia.. <i>Parasitology Research</i> , <b>2022</b> , 121, 551	2.4	0

4	Rapid relative increase of crustose coralline algae following herbivore exclusion in a reef of El Salvador. <i>PeerJ</i> , <b>2021</b> , 9, e10696	3.1	○
3	Comparative Evaluation of Free Web Tools ImageJ and Photopea for the Surface Area Quantification of Planar Substrates and Organisms. <i>Diversity</i> , <b>2022</b> , 14, 272	2.5	○
2	The role of epiphytes in seagrass productivity under ocean acidification.. <i>Scientific Reports</i> , <b>2022</b> , 12, 6249	4.9	○
1	Effective asexual reproduction of a widespread soft coral: comparative assessment of four different fragmentation methods.. <i>PeerJ</i> , <b>2022</b> , 10, e12589	3.1	