

Miguel Costa Leal

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7502832/publications.pdf>

Version: 2024-02-01

62
papers

2,504
citations

159525

30
h-index

206029

48
g-index

63
all docs

63
docs citations

63
times ranked

3655
citing authors

#	ARTICLE	IF	CITATIONS
1	Trends in the Discovery of New Marine Natural Products from Invertebrates over the Last Two Decades – Where and What Are We Bioprospecting?. PLoS ONE, 2012, 7, e30580.	1.1	217
2	Seafood traceability: current needs, available tools, and biotechnological challenges for origin certification. Trends in Biotechnology, 2015, 33, 331-336.	4.9	141
3	Shifts in the dominance between diatoms and cryptophytes during three late summers in the Bransfield Strait (Antarctic Peninsula). Polar Biology, 2013, 36, 537-547.	0.5	121
4	Synergistic Effects of Climate Change and Marine Pollution: An Overlooked Interaction in Coastal and Estuarine Areas. International Journal of Environmental Research and Public Health, 2019, 16, 2737.	1.2	99
5	Dynamics of phytoplankton communities during late summer around the tip of the Antarctic Peninsula. Deep-Sea Research Part I: Oceanographic Research Papers, 2012, 65, 1-14.	0.6	91
6	Early-life exposure to climate change impairs tropical shark survival. Proceedings of the Royal Society B: Biological Sciences, 2014, 281, 20141738.	1.2	89
7	Biogeography and biodiscovery hotspots of macroalgal marine natural products. Natural Product Reports, 2013, 30, 1380.	5.2	87
8	Coral aquaculture to support drug discovery. Trends in Biotechnology, 2013, 31, 555-561.	4.9	84
9	The Ecology and Evolution of Stoichiometric Phenotypes. Trends in Ecology and Evolution, 2017, 32, 108-117.	4.2	83
10	Marine Microorganism-Invertebrate Assemblages: Perspectives to Solve the ‘‘Supply Problem’’ in the Initial Steps of Drug Discovery. Marine Drugs, 2014, 12, 3929-3952.	2.2	69
11	Diagnostic gene expression biomarkers of coral thermal stress. Molecular Ecology Resources, 2014, 14, 667-678.	2.2	65
12	Symbiont type influences trophic plasticity of a model cnidarian–dinoflagellate symbiosis. Journal of Experimental Biology, 2015, 218, 858-863.	0.8	64
13	Bioprospecting of Marine Invertebrates for New Natural Products – A Chemical and Zoogeographical Perspective. Molecules, 2012, 17, 9842-9854.	1.7	56
14	The evolutionary ecology of fatty acid variation: Implications for consumer adaptation and diversification. Ecology Letters, 2021, 24, 1709-1731.	3.0	53
15	Diseases in coral aquaculture: causes, implications and preventions. Aquaculture, 2013, 396-399, 124-135.	1.7	51
16	Lower hypoxia thresholds of cuttlefish early life stages living in a warm acidified ocean. Proceedings of the Royal Society B: Biological Sciences, 2013, 280, 20131695.	1.2	49
17	Coral aquaculture: applying scientific knowledge to <i>ex situ</i> production. Reviews in Aquaculture, 2016, 8, 136-153.	4.6	49
18	Dogs as a tool to improve bird-strike mortality estimates at wind farms. Journal for Nature Conservation, 2011, 19, 202-208.	0.8	48

#	ARTICLE	IF	CITATIONS
19	Trophic Ecology of Benthic Marine Invertebrates with Bi-Phasic Life Cycles. <i>Advances in Marine Biology</i> , 2015, 71, 1-70.	0.7	46
20	Trace element fingerprinting of cockle (<i>Cerastoderma edule</i>) shells can reveal harvesting location in adjacent areas. <i>Scientific Reports</i> , 2015, 5, 11932.	1.6	43
21	Potential use of fatty acid profiles of the adductor muscle of cockles (<i>Cerastoderma edule</i>) for traceability of collection site. <i>Scientific Reports</i> , 2015, 5, 11125.	1.6	43
22	Bioprospecting of Marine Macrophytes Using MS-Based Lipidomics as a New Approach. <i>Marine Drugs</i> , 2016, 14, 49.	2.2	43
23	Stable isotopes as tracers of trophic interactions in marine mutualistic symbioses. <i>Ecology and Evolution</i> , 2019, 9, 723-740.	0.8	43
24	Red Light Represses the Photophysiology of the Scleractinian Coral <i>Stylophora pistillata</i> . <i>PLoS ONE</i> , 2014, 9, e92781.	1.1	42
25	Marine ornamental fish imports in the European Union: an economic perspective. <i>Fish and Fisheries</i> , 2016, 17, 459-468.	2.7	39
26	Noise pollution on coral reefs? â€” A yet underestimated threat to coral reef communities. <i>Marine Pollution Bulletin</i> , 2021, 165, 112129.	2.3	36
27	Coral feeding on microalgae assessed with molecular trophic markers. <i>Molecular Ecology</i> , 2014, 23, 3870-3876.	2.0	34
28	Environmental health assessment of warming coastal ecosystems in the tropics â€” Application of integrative physiological indices. <i>Science of the Total Environment</i> , 2018, 643, 28-39.	3.9	34
29	Natural products discovery needs improved taxonomic and geographic information. <i>Natural Product Reports</i> , 2016, 33, 747-750.	5.2	33
30	Effect of light intensity on post-fragmentation photobiological performance of the soft coral <i>Sinularia flexibilis</i> . <i>Aquaculture</i> , 2013, 388-391, 24-29.	1.7	32
31	Optimization of monoclonal production of the glass anemone <i>Aiptasia pallida</i> (Agassiz in Verrill). <i>TJ ETQq1 1 0.784314 rgBT /Overlock</i>	1.7	31
32	Development of a Standardized Modular System for Experimental Coral Culture. <i>Journal of the World Aquaculture Society</i> , 2015, 46, 235-251.	1.2	29
33	Fifty Shades of Blue: How Blue Biotechnology is Shaping the Bioeconomy. <i>Trends in Biotechnology</i> , 2020, 38, 940-943.	4.9	29
34	Beauties and beasts: A portrait of sea slugs aquaculture. <i>Aquaculture</i> , 2013, 408-409, 1-14.	1.7	28
35	Molecular assessment of heterotrophy and prey digestion in zooxanthellate cnidarians. <i>Molecular Ecology</i> , 2014, 23, 3838-3848.	2.0	28
36	Thermal stress, thermal safety margins and acclimation capacity in tropical shallow watersâ€”An experimental approach testing multiple end-points in two common fish. <i>Ecological Indicators</i> , 2017, 81, 146-158.	2.6	28

#	ARTICLE	IF	CITATIONS
37	Concurrent imaging of chlorophyll fluorescence, Chlorophyll <i>a</i> content and green fluorescent proteins-like proteins of symbiotic cnidarians. <i>Marine Ecology</i> , 2015, 36, 572-584.	0.4	26
38	How to Succeed in Marketing Marine Natural Products for Nutraceutical, Pharmaceutical and Cosmeceutical Markets. <i>Grand Challenges in Biology and Biotechnology</i> , 2018, , 317-403.	2.4	25
39	Trophic ecology of the facultative symbiotic coral <i>Oculina arbuscula</i> . <i>Marine Ecology - Progress Series</i> , 2014, 504, 171-179.	0.9	25
40	Parental diets determine the embryonic fatty acid profile of the tropical nudibranch <i>Aeolidiella stephanieae</i> : the effect of eating bleached anemones. <i>Marine Biology</i> , 2012, 159, 1745-1751.	0.7	21
41	Stoichiometric traits of stickleback: Effects of genetic background, rearing environment, and ontogeny. <i>Ecology and Evolution</i> , 2017, 7, 2617-2625.	0.8	20
42	Distribution and vertical dynamics of planktonic communities at Sofala Bank, Mozambique. <i>Estuarine, Coastal and Shelf Science</i> , 2009, 84, 605-616.	0.9	18
43	Transgenerational selection driven by divergent ecological impacts of hybridizing lineages. <i>Nature Ecology and Evolution</i> , 2017, 1, 1757-1765.	3.4	18
44	Variation of phytoplankton assemblages along the Mozambique coast as revealed by HPLC and microscopy. <i>Journal of Sea Research</i> , 2013, 79, 1-11.	0.6	17
45	Effect of light, temperature and diet on the fatty acid profile of the tropical sea anemone <i>Aiptasia pallida</i> . <i>Aquaculture Nutrition</i> , 2013, 19, 818-826.	1.1	15
46	Habitat-dependent niche partitioning between colour morphs of the algal-dwelling shrimp <i>Hippolyte obliquimanus</i> . <i>Marine Biology</i> , 2017, 164, 1.	0.7	14
47	Aquaculture of marine non-food organisms: what, why and how?. <i>Reviews in Aquaculture</i> , 2018, 10, 400-423.	4.6	14
48	An experimental test of how parasites of predators can influence trophic cascades and ecosystem functioning. <i>Ecology</i> , 2019, 100, e02744.	1.5	14
49	Caught in the Act: How the U.S. Lacey Act Can Hamper the Fight Against Cyanide Fishing in Tropical Coral Reefs. <i>Conservation Letters</i> , 2014, 7, 561-564.	2.8	13
50	Trophic and stoichiometric consequences of nutrification for the intertidal tropical zoanthid <i>Zoanthus sociatus</i> . <i>Marine Pollution Bulletin</i> , 2017, 119, 169-175.	2.3	12
51	Molecular trophic markers in marine food webs and their potential use for coral ecology. <i>Marine Genomics</i> , 2016, 29, 1-7.	0.4	11
52	Conserved fatty acid profiles and lipid metabolic pathways in a tropical reef fish exposed to ocean warming – An adaptation mechanism of tolerant species?. <i>Science of the Total Environment</i> , 2021, 782, 146738.	3.9	11
53	Temporal changes in the trophic ecology of the asymbiotic gorgonian <i>Leptogorgia virgulata</i> . <i>Marine Biology</i> , 2014, 161, 2191-2197.	0.7	9
54	Photobiology of the zoanthid <i>Zoanthus sociatus</i> in intertidal and subtidal habitats. <i>Marine and Freshwater Research</i> , 2016, 67, 1991.	0.7	8

#	ARTICLE	IF	CITATIONS
55	Fifty years of capacity building in the search for new marine natural products. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 24165-24172.	3.3	8
56	Marine Bioactive Compounds from Cnidarians. , 2015, , 823-849.		7
57	White but not bleached: photophysiological evidence from white <i>Montastraea cavernosa</i> reveals potential overestimation of coral bleaching. Marine Biology, 2015, 162, 889-899.	0.7	7
58	Dietary β -1,3/1,6-glucans improve the effect of a multivalent vaccine in Atlantic salmon infected with <i>Moritella viscosa</i> or infectious salmon anemia virus. Aquaculture International, 2019, 27, 1825-1834.	1.1	7
59	Variable within-brood maternal provisioning in newly extruded embryos of <i>Homarus gammarus</i> . Marine Biology, 2013, 160, 763-772.	0.7	6
60	Assessment level and time scales of biodiversity indicators in the scope of the Marine Strategy Framework Directive “A case study for the NE Atlantic. Ecological Indicators, 2019, 105, 242-253.	2.6	6
61	Bacterial communities from corals cultured ex situ remain stable under different light regimes “Relevance for in toto aquaculture. Aquaculture, 2016, 450, 258-261.	1.7	5
62	3D chemoecology and chemotaxonomy of corals using fatty acid biomarkers: Latitude, longitude and depth. Biochemical Systematics and Ecology, 2017, 70, 35-42.	0.6	5