Carlos M. Duarte

List of Publications by Year
in descending order

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930 papers	95,204 citations	399 133 h-index	551 264 g-index
997 all docs	997 docs citations	997 times ranked	51823 citing authors

#	Article	IF	Citations
1	Projecting coral responses to intensifying marine heatwaves under ocean acidification. Global Change Biology, 2022, 28, 1753-1765.	9.5	32
2	A seaweed aquaculture imperative to meet global sustainability targets. Nature Sustainability, 2022, 5, 185-193.	23.7	134
3	Reef accumulation is decoupled from recent degradation in the central and southern Red Sea. Science of the Total Environment, 2022, 809, 151176.	8.0	7
4	Fingerprinting Arctic and North Atlantic Macroalgae with eDNA â€“ Application and perspectives. Environmental DNA, 2022, 4, 385-401.	5.8	12
5	Underestimated PAH accumulation potential of blue carbon vegetation: Evidence from sedimentary records of saltmarsh and mangrove in Yueqing Bay, China. Science of the Total Environment, 2022, 817, 152887.	8.0	16
6	Global diversity and distribution of aerobic anoxygenic phototrophs in the tropical and subtropical oceans. Environmental Microbiology, 2022, 24, 2222-2238.	3.8	10
7	Fate and Effects of Macro- and Microplastics in Coastal Wetlands. Environmental Science & Technology, 2022, 56, 2386-2397.	10.0	66
8	Global biodiversity patterns of marine forests of brown macroalgae. Global Ecology and Biogeography, 2022, 31, 636-648.	5.8	22
9	Decision rules for determining terrestrial movement and the consequences for filtering high-resolution global positioning system tracks: a case study using the African lion (<i>Panthera) Tj ETQq1 1 0.784314 rgBT /Overlock	4.3	5
10	Profiling the cell walls of seagrasses from A (Amphibolis) to Z (Zostera). BMC Plant Biology, 2022, 22, 63.	3.6	7
11	In situ monitoring reveals cellular environmental instabilities in human pluripotent stem cell culture. Communications Biology, 2022, 5, 119.	4.4	13
12	Toward Best Practices for Controlling Mammalian Cell Culture Environments. Frontiers in Cell and Developmental Biology, 2022, 10, 788808.	3.7	8
13	Major Expansion of Marine Forests in a Warmer Arctic. Frontiers in Marine Science, 2022, 9, .	2.5	16
14	Unifying the known and unknown microbial coding sequence space. ELife, 2022, 11, .	6.0	41
15	Governing for Transformative Change across the Biodiversityâ€“Climateâ€“Society Nexus. BioScience, 2022, 72, 684-704.	4.9	48
16	Intergovernmental Panel on Blue Foods in Support of Sustainable Development and Nutritional Security. Environmental Science & Technology, 2022, 56, 5302-5305.	10.0	4
17	Rapid evolution of SARS-CoV-2 challenges human defenses. Scientific Reports, 2022, 12, 6457.	3.3	18
18	Trade-Offs and Synergies Between Seagrass Ecosystems and Fishing Activities: A Global Literature Review. Frontiers in Marine Science, 2022, 9, .	2.5	11

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19	Metabolomic Study on Tridacna maxima Giant Clams Reveals Metabolic Fingerprint of Environmental Pollutants. Frontiers in Marine Science, 2022, 9, .	2.5	3
20	Global collision-risk hotspots of marine traffic and the worldâ€™s largest fish, the whale shark. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, e2117440119.	7.1	26
21	Penetration of Ultravioletâ€B Radiation in Oligotrophic Regions of the Oceans During the Malaspina 2010 Expedition. Journal of Geophysical Research: Oceans, 2022, 127, .	2.6	3
22	Global estimates of the extent and production of macroalgal forests. Global Ecology and Biogeography, 2022, 31, 1422-1439.	5.8	75
23	Mapping seagrass meadows in coastal China using GEE. Geocarto International, 2022, 37, 12602-12617.	3.5	4
24	Ocean sediments as the global sink for marine microâ€and mesoplastics. Limnology and Oceanography Letters, 2022, 7, 235-243.	3.9	23
25	Seagrass Thermal Limits and Vulnerability to Future Warming. Frontiers in Marine Science, 2022, 9, .	2.5	5
26	Operationalizing marketable blue carbon. One Earth, 2022, 5, 485-492.	6.8	34
27	Bioturbation Intensity Modifies the Sediment Microbiome and Biochemistry and Supports Plant Growth in an Arid Mangrove System. Microbiology Spectrum, 2022, 10, .	3.0	12
28	eDNA Reveals the Associated Metazoan Diversity of Mediterranean Seagrass Sediments. Diversity, 2022, 14, 549.	1.7	6
29	Mangrove distribution and afforestation potential in the Red Sea. Science of the Total Environment, 2022, 843, 157098.	8.0	8
30	Losses of Soil Organic Carbon with Deforestation in Mangroves of Madagascar. Ecosystems, 2021, 24, 1-19.	3.4	39
31	High summer temperatures amplify functional differences between coralâ€and algaeâ€dominated reef communities. Ecology, 2021, 102, e03226.	3.2	15
32	Total alkalinity production in a mangrove ecosystem reveals an overlooked Blue Carbon component. Limnology and Oceanography Letters, 2021, 6, 61-67.	3.9	31
33	Optimising sample sizes for animal distribution analysis using tracking data. Methods in Ecology and Evolution, 2021, 12, 288-297.	5.2	16
34	Centuryâ€long records reveal shifting challenges to seagrass recovery. Global Change Biology, 2021, 27, 563-575.	9.5	31
35	Plankton Community Metabolism in Western Australia: Estuarine, Coastal and Oceanic Surface Waters. Frontiers in Marine Science, 2021, 7, .	2.5	3
36	Hostâ€association as major driver of microbiome structure and composition in Red Sea seagrass ecosystems. Environmental Microbiology, 2021, 23, 2021-2034.	3.8	9

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37	The Potential for Ocean-Based Climate Action: Negative Emissions Technologies and Beyond. Frontiers in Climate, 2021, 2, .	2.8	54
38	Stocks and losses of soil organic carbon from Chinese vegetated coastal habitats. Global Change Biology, 2021, 27, 202-214.	9.5	51
39	Temperature transcends partner specificity in the symbiosis establishment of a cnidarian. ISME Journal, 2021, 15, 141-153.	9.8	20
40	Susan Lynn Williams: the Life of an Exceptional Scholar, Leader, and Friend (1951â€“2018). Estuaries and Coasts, 2021, 44, 304-311.	2.2	1
41	Areal Extent, Species Composition, and Spatial Distribution of Coastal Saltmarshes in China. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 7085-7094.	4.9	24
42	High Summer Temperatures Amplify Functional Differences Between Coralâ€•and Algaeâ€Dominated Reef Communities. Bulletin of the Ecological Society of America, 2021, 102, e01822.	0.2	0
43	Impacts of hypoxic events surpass those of future ocean warming and acidification. Nature Ecology and Evolution, 2021, 5, 311-321.	7.8	116
44	The global network of ports supporting high seas fishing. Science Advances, 2021, 7, .	10.3	11
45	The soundscape of the Anthropocene ocean. Science, 2021, 371, .	12.6	376
46	Enhanced Viral Activity in the Surface Microlayer of the Arctic and Antarctic Oceans. Microorganisms, 2021, 9, 317.	3.6	13
47	HMD-ARG: hierarchical multi-task deep learning for annotating antibiotic resistance genes. Microbiome, 2021, 9, 40.	11.1	48
48	Phylogeographic Analysis Suggests a Recent Population Bottleneck in the Rare Red Sea Tridacna squamosina. Frontiers in Marine Science, 2021, 8, .	2.5	0
49	Flexible Hall sensor made of laser-scribed graphene. Npj Flexible Electronics, 2021, 5, .	10.7	14
50	Climateâ€driven impacts of exotic species on marine ecosystems. Global Ecology and Biogeography, 2021, 30, 1043-1055.	5.8	16
51	Flexibility in Red Sea Tridacna maxima â€Symbiodiniaceae associations supports environmental niche adaptation. Ecology and Evolution, 2021, 11, 3393-3406.	1.9	7
52	Reimagining aquaculture in the Global South. Science, 2021, 372, 247-248.	12.6	3
53	Half of global methane emissions come from highly variable aquatic ecosystem sources. Nature Geoscience, 2021, 14, 225-230.	12.9	388
54	ENSO feedback drives variations in dieback at a marginal mangrove site. Scientific Reports, 2021, 11, 8130.	3.3	12

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55	The Limits to Models in Ecology. , 2021, , 437-452.		0
56	Giant clam inspired high-speed photo-conversion for ultraviolet optical wireless communication. Optical Materials Express, 2021, 11, 1515.	3.0	2
57	Seagrass (Halophila stipulacea) invasion enhances carbon sequestration in the Mediterranean Sea. Global Change Biology, 2021, 27, 2592-2607.	9.5	22
58	A standardisation framework for bioâ€logging data to advance ecological research and conservation. Methods in Ecology and Evolution, 2021, 12, 996-1007.	5.2	39
59	Enabling a large-scale assessment of litter along Saudi Arabian red sea shores by combining drones and machine learning. Environmental Pollution, 2021, 277, 116730.	7.5	42
60	Diversity and Sources of Airborne Eukaryotic Communities (AEC) in the Global Dust Belt over the Red Sea. Earth Systems and Environment, 2021, 5, 459-471.	6.2	9
61	Global Plastic Pollution Observation System to Aid Policy. Environmental Science & Technology, 2021, 55, 7770-7775.	10.0	59
62	Rise and fall of the global conversation and shifting sentiments during the COVID-19 pandemic. Humanities and Social Sciences Communications, 2021, 8, .	2.9	12
63	Deep ocean metagenomes provide insight into the metabolic architecture of bathypelagic microbial communities. Communications Biology, 2021, 4, 604.	4.4	107
64	A bibliometric assessment of progress in marine spatial planning. Marine Policy, 2021, 127, 104329.	3.2	26
65	Global COVID-19 lockdown highlights humans as both threats and custodians of the environment. Biological Conservation, 2021, 263, 109175.	4.1	96
66	An inshoreâ€“offshore sorting system revealed from global classification of ocean litter. Nature Sustainability, 2021, 4, 484-493.	23.7	178
67	Habitat-forming species trap microplastics into coastal sediment sinks. Science of the Total Environment, 2021, 772, 145520.	8.0	41
68	KAUST Metagenomic Analysis Platform (KMAP), enabling access to massive analytics of re-annotated metagenomic data. Scientific Reports, 2021, 11, 11511.	3.3	4
69	Anthropogenic litter density and composition data acquired flying commercial drones on sandy beaches along the Saudi Arabian RedÂSea. Data in Brief, 2021, 36, 107056.	1.0	2
70	Nutrient and temperature constraints on primary production and net phytoplankton growth in a tropical ecosystem. Limnology and Oceanography, 2021, 66, 2923-2935.	3.1	12
71	Factors Determining Seagrass Blue Carbon Across Bioregions and Geomorphologies. Global Biogeochemical Cycles, 2021, 35, e2021GB006935.	4.9	34
72	Seaweed farms provide refugia from ocean acidification. Science of the Total Environment, 2021, 776, 145192.	8.0	61

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73	Recovery of assessed global fish stocks remains uncertain. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	24
74	Satellite Tracking Reveals Nesting Patterns, Site Fidelity, and Potential Impacts of Warming on Major Green Turtle Rookeries in the Red Sea. Frontiers in Marine Science, 2021, 8, .	2.5	18
75	The Internal Microenvironment of the Symbiotic Jellyfish Cassiopea sp. From the Red Sea. Frontiers in Marine Science, 2021, 8, .	2.5	4
76	Nutrient pollution enhances productivity and framework dissolution in algae- but not in coral-dominated reef communities. Marine Pollution Bulletin, 2021, 168, 112444.	5.0	7
77	First Application of 360-Degree Camera Technology to Marine Predator Bio-Logging. Frontiers in Marine Science, 2021, 8, .	2.5	4
78	Reply to: Caution over the use of ecological big data for conservation. Nature, 2021, 595, E20-E28.	27.8	4
79	Reply to: Shark mortality cannot be assessed by fishery overlap alone. Nature, 2021, 595, E8-E16.	27.8	7
80	Effects of Ecological Restoration Using Non-Native Mangrove Kandelia obovata to Replace Invasive Spartina alterniflora on Intertidal Macrobenthos Community in Maoyan Island (Zhejiang, China). Journal of Marine Science and Engineering, 2021, 9, 788.	2.6	11
81	Assessment of Red Sea temperatures in CMIP5 models for present and future climate. PLoS ONE, 2021, 16, e0255505.	2.5	5
82	Dead-reckoning animal movements in R: a reappraisal using Gundog.Tracks. Animal Biotelemetry, 2021, 9, .	1.9	19
83	Detection of SARS-CoV-2 variants requires urgent global coordination. International Journal of Infectious Diseases, 2021, 109, 50-53.	3.3	4
84	The conservation and ecological impacts of the COVID-19 pandemic. Biological Conservation, 2021, 260, 109204.	4.1	9
85	A prevalent neglect of environmental control in mammalian cell culture calls for best practices. Nature Biomedical Engineering, 2021, 5, 787-792.	22.5	24
86	A prediction and imputation method for marine animal movement data. PeerJ Computer Science, 2021, 7, e656.	4.5	3
87	Testing angular velocity as a new metric for metabolic demands of slow-moving marine fauna: a case study with Giant spider conchs Lambis truncata. Animal Biotelemetry, 2021, 9, .	1.9	1
88	Distribution and temporal trends in the abundance of nesting sea turtles in the Red Sea. Biological Conservation, 2021, 261, 109235.	4.1	16
89	Comprehensive analytical approaches reveal speciesâ€specific search strategies in sympatric apex predatory sharks. Ecography, 2021, 44, 1544-1556.	4.5	2
90	Integrating environmental variability to broaden the research on coral responses to future ocean conditions. Global Change Biology, 2021, 27, 5532-5546.	9.5	23

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91	Sustainable and Eco-Friendly Coral Restoration through 3D Printing and Fabrication. ACS Sustainable Chemistry and Engineering, 2021, 9, 12634-12645.	6.7	25
92	The Simrad EK60 echosounder dataset from the Malaspina circumnavigation. Scientific Data, 2021, 8, 259.	5.3	2
93	Investing in Blue Natural Capital to Secure a Future for the Red Sea Ecosystems. Frontiers in Marine Science, 2021, 7, .	2.5	19
94	Impact of Marine Heatwaves on Seagrass Ecosystems. Ecological Studies, 2021, , 345-364.	1.2	12
95	Spatial Connectivity and Drivers of Shark Habitat Use Within a Large Marine Protected Area in the Caribbean, The Bahamas Shark Sanctuary. Frontiers in Marine Science, 2021, 7, .	2.5	21
96	Drivers of the Abundance of Tridacna spp. Giant Clams in the Red Sea. Frontiers in Marine Science, 2021, 7, .	2.5	3
97	Trophic Structure of Neuston Across Tropical and Subtropical Oceanic Provinces Assessed With Stable Isotopes. Frontiers in Marine Science, 2021, 7, .	2.5	6
98	A high-quality genome assembly and annotation of the gray mangrove, Avicennia marina. G3: Genes, Genomes, Genetics, 2021, 11, .	1.8	16
99	Animal lifestyle affects acceptable mass limits for attached tags. Proceedings of the Royal Society B: Biological Sciences, 2021, 288, 20212005.	2.6	11
100	Predicted regime shift in the seagrass ecosystem of the Gulf of Arguin driven by climate change. Global Ecology and Conservation, 2021, 32, e01890.	2.1	8
101	How often should dead-reckoned animal movement paths be corrected for drift?. Animal Biotelemetry, 2021, 9, 43.	1.9	12
102	Changes of the Macrobenthos Community with Non-native Mangrove Rehabilitation (Kandelia) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 30 Science Journal, 2021, 56, 395-405.	1.3	10
103	Ten new insights in climate science 2021: a horizon scan. Global Sustainability, 2021, 4, .	3.3	26
104	WTO must ban harmful fisheries subsidies. Science, 2021, 374, 544-544.	12.6	45
105	Blue carbon as a natural climate solution. Nature Reviews Earth & Environment, 2021, 2, 826-839.	29.7	261
106	Variable response of Red Sea coral communities to recent disturbance events along a latitudinal gradient. Marine Biology, 2021, 168, 1.	1.5	27
107	Warming Threatens to Propel the Expansion of the Exotic Seagrass Halophila stipulacea. Frontiers in Marine Science, 2021, 8, .	2.5	13
108	Estimates for energy expenditure in freeâ€living animals using acceleration proxies: A reappraisal. Journal of Animal Ecology, 2020, 89, 161-172.	2.8	148

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109	Marked changes in diversity and relative activity of picoeukaryotes with depth in the world ocean. ISME Journal, 2020, 14, 437-449.	9.8	80
110	Defining CO₂ and O₂ syndromes of marine biomes in the Anthropocene. Global Change Biology, 2020, 26, 355-363.	9.5	15
111	Ocean warming compresses the three-dimensional habitat of marine life. Nature Ecology and Evolution, 2020, 4, 109-114.	7.8	58
112	Performance of extraction methods for extracellular DNA from sediments across marine habitats. Environmental DNA, 2020, 2, 91-98.	5.8	8
113	High temperature and crab density reduce atmospheric nitrogen fixation in Red Sea mangrove sediments. Estuarine, Coastal and Shelf Science, 2020, 232, 106487.	2.1	10
114	Ecological effects of nonâ€•native species in marine ecosystems relate to coâ€•occurring anthropogenic pressures. Global Change Biology, 2020, 26, 1248-1258.	9.5	20
115	Anthropogenic-induced acceleration of elemental burial rates in blue carbon repositories of the Arabian Gulf. Science of the Total Environment, 2020, 719, 135177.	8.0	18
116	Towards a unifying pan-arctic perspective: A conceptual modelling toolkit. Progress in Oceanography, 2020, 189, 102455.	3.2	30
117	Introducing the Mangrove Microbiome Initiative: Identifying Microbial Research Priorities and Approaches To Better Understand, Protect, and Rehabilitate Mangrove Ecosystems. MSystems, 2020, 5, .	3.8	40
118	Diversity and distribution of marine heterotrophic bacteria from a large culture collection. BMC Microbiology, 2020, 20, 207.	3.3	27
119	Genomic Blueprint of Glycine Betaine Metabolism in Coral Metaorganisms and Their Contribution to Reef Nitrogen Budgets. iScience, 2020, 23, 101120.	4.1	30
120	Hypothesis: Potentially Systemic Impacts of Elevated CO2 on the Human Proteome and Health. Frontiers in Public Health, 2020, 8, 543322.	2.7	22
121	Large deep-sea zooplankton biomass mirrors primary production in the global ocean. Nature Communications, 2020, 11, 6048.	12.8	58
122	The restoration imperative to achieve a sustainable ocean economy nobody foretold in 1871. One Earth, 2020, 3, 669-671.	6.8	3
123	Posidonia oceanica as a Source of Chromophoric Dissolved Organic Matter for the Oligotrophic NW Mediterranean Coast. Journal of Marine Science and Engineering, 2020, 8, 911.	2.6	1
124	Aeolian Prokaryotic Communities of the Global Dust Belt Over the Red Sea. Frontiers in Microbiology, 2020, 11, 538476.	3.5	6
125	Public Perceptions of Mangrove Forests Matter for Their Conservation. Frontiers in Marine Science, 2020, 7, .	2.5	32
126	Functional Pangenome Analysis Shows Key Features of E Protein Are Preserved in SARS and SARS-CoV-2. Frontiers in Cellular and Infection Microbiology, 2020, 10, 405.	3.9	40

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127	Operationalizing Ocean Health: Toward Integrated Research on Ocean Health and Recovery to Achieve Ocean Sustainability. One Earth, 2020, 2, 557-565.	6.8	40
128	Stunted Mangrove Trees in the Oligotrophic Central Red Sea Relate to Nitrogen Limitation. Frontiers in Marine Science, 2020, 7, .	2.5	16
129	Comparative infection modeling and control of COVID-19 transmission patterns in China, South Korea, Italy and Iran. Science of the Total Environment, 2020, 747, 141447.	8.0	42
130	Sequencing effort dictates gene discovery in marine microbial metagenomes. Environmental Microbiology, 2020, 22, 4589-4603.	3.8	13
131	Exponential increase of plastic burial in mangrove sediments as a major plastic sink. Science Advances, 2020, 6, .	10.3	155
132	Environmental <scp>DNA</scp> identifies marine macrophyte contributions to Blue Carbon sediments. Limnology and Oceanography, 2020, 65, 3139-3149.	3.1	35
133	No Evidence for Temperature-Dependence of the COVID-19 Epidemic. Frontiers in Public Health, 2020, 8, 436.	2.7	60
134	Beyond Reef Restoration: Next-Generation Techniques for Coral Gardening, Landscaping, and Outreach. Frontiers in Marine Science, 2020, 7, .	2.5	19
135	A new direction for differentiating animal activity based on measuring angular velocity about the yaw axis. Ecology and Evolution, 2020, 10, 7872-7886.	1.9	17
136	Variability in Water-Column Respiration and Its Dependence on Organic Carbon Sources in the Canary Current Upwelling Region. Frontiers in Earth Science, 2020, 8, .	1.8	8
137	Gelatinous Zooplanktonâ€Mediated Carbon Flows in the Global Oceans: A Dataâ€Driven Modeling Study. Global Biogeochemical Cycles, 2020, 34, e2020GB006704.	4.9	66
138	Perceptions of Marine Environmental Issues by Saudi Citizens. Frontiers in Marine Science, 2020, 7, .	2.5	7
139	Imprint of Climate Change on Pan-Arctic Marine Vegetation. Frontiers in Marine Science, 2020, 7, .	2.5	63
140	Stimulated Raman microspectroscopy as a new method to classify microfibers from environmental samples. Environmental Pollution, 2020, 267, 115640.	7.5	36
141	Source Apportionment and Elemental Composition of Atmospheric Total Suspended Particulates (TSP) Over the Red Sea Coast of Saudi Arabia. Earth Systems and Environment, 2020, 4, 777-788.	6.2	20
142	Cellular network Marine Sensor Buoy. , 2020, , .		5
143	The ocean genome and future prospects for conservation and equity. Nature Sustainability, 2020, 3, 588-596.	23.7	38
144	Differential thermal tolerance between algae and corals may trigger the proliferation of algae in coral reefs. Global Change Biology, 2020, 26, 4316-4327.	9.5	42

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145	The Colors of the Ocean Plastics. Environmental Science & Technology, 2020, 54, 6594-6601.	10.0	136
146	Giant clams in shallow reefs: UV-resistance mechanisms of Tridacninae in the Red Sea. Coral Reefs, 2020, 39, 1345-1360.	2.2	8
147	COVID-19 lockdown allows researchers to quantify the effects of human activity on wildlife. Nature Ecology and Evolution, 2020, 4, 1156-1159.	7.8	413
148	Mass, nutrients and dissolved organic carbon (DOC) lateral transports off northwest Africa during fall 2002 and spring 2003. Ocean Science, 2020, 16, 483-511.	3.4	8
149	A framework for experimental scenarios of global change in marine systems using coral reefs as a case study. Royal Society Open Science, 2020, 7, 191118.	2.4	7
150	Warming enhances carbon dioxide and methane fluxes from Red Sea seagrass (<i>Halophila stipulacea</i>) sediments. Biogeosciences, 2020, 17, 1717-1730.	3.3	15
151	COVID-19 pandemic and associated lockdown as a â€œGlobal Human Confinement Experimentâ€•to investigate biodiversity conservation. Biological Conservation, 2020, 248, 108665.	4.1	180
152	Prokaryotic Capability to Use Organic Substrates Across the Global Tropical and Subtropical Ocean. Frontiers in Microbiology, 2020, 11, 918.	3.5	8
153	Picocyanobacteria Community and Cyanophage Infection Responses to Nutrient Enrichment in a Mesocosms Experiment in Oligotrophic Waters. Frontiers in Microbiology, 2020, 11, 1153.	3.5	15
154	Robustness to extinction and plasticity derived from mutualistic bipartite ecological networks. Scientific Reports, 2020, 10, 9783.	3.3	16
155	Laserâ€Printed, Flexible Graphene Pressure Sensors. Global Challenges, 2020, 4, 2000001.	3.6	34
156	Tropical seagrass Halophila stipulacea shifts thermal tolerance during Mediterranean invasion. Proceedings of the Royal Society B: Biological Sciences, 2020, 287, 20193001.	2.6	29
157	Passive and Active Removal of Marine Microplastics by a Mushroom Coral (Danafungia scruposa). Frontiers in Marine Science, 2020, 7, .	2.5	58
158	An â€œorientation sphereâ€•visualization for examining animal head movements. Ecology and Evolution, 2020, 10, 4291-4302.	1.9	9
159	Anomalies in the carbonate system of Red Sea coastal habitats. Biogeosciences, 2020, 17, 423-439.	3.3	5
160	Rebuilding marine life. Nature, 2020, 580, 39-51.	27.8	560
161	UN Decade on Ecosystem Restoration 2021â€“2030â€”What Chance for Success in Restoring Coastal Ecosystems?. Frontiers in Marine Science, 2020, 7, .	2.5	181
162	Iridocytes Mediate Photonic Cooperation Between Giant Clams (Tridacninae) and Their Photosynthetic Symbionts. Frontiers in Marine Science, 2020, 7, .	2.5	24

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163	Superhydrophobicity and size reduction enabled Halobates (Insecta: Heteroptera, Gerridae) to colonize the open ocean. Scientific Reports, 2020, 10, 7785.	3.3	22
164	Seagrass losses since midâ€20th century fuelled CO₂ emissions from soil carbon stocks. Global Change Biology, 2020, 26, 4772-4784.	9.5	48
165	Unfamiliar partnerships limit cnidarian holobiont acclimation to warming. Global Change Biology, 2020, 26, 5539-5553.	9.5	20
166	Additive impacts of deoxygenation and acidification threaten marine biota. Global Change Biology, 2020, 26, 5602-5612.	9.5	28
167	Translational Molecular Ecology in practice: Linking DNA-based methods to actionable marine environmental management. Science of the Total Environment, 2020, 744, 140780.	8.0	24
168	Drivers of the Low Metabolic Rates of Seagrass Meadows in the Red Sea. Frontiers in Marine Science, 2020, 7, .	2.5	16
169	Reply to: Indiscriminate data aggregation in ecological meta-analysis underestimates impacts of invasive species. Nature Ecology and Evolution, 2020, 4, 315-317.	7.8	1
170	A metagenomic assessment of microbial eukaryotic diversity in the global ocean. Molecular Ecology Resources, 2020, 20, 718-731.	4.8	70
171	Role of vegetated coastal ecosystems as nitrogen and phosphorous filters and sinks in the coasts of Saudi Arabia. Environmental Research Letters, 2020, 15, 034058.	5.2	21
172	Microplastics in fishes of commercial and ecological importance from the Western Arabian Gulf. Marine Pollution Bulletin, 2020, 152, 110920.	5.0	58
173	Contribution of Seagrass Blue Carbon Toward Carbon Neutral Policies in a Touristic and Environmentally-Friendly Island. Frontiers in Marine Science, 2020, 7, .	2.5	51
174	Arctic (Svalbard islands) active and exported diatom stocks and cell health status. Biogeosciences, 2020, 17, 35-45.	3.3	7
175	Dense Mytilus Beds Along Freshwater-Influenced Greenland Shores: Resistance to Corrosive Waters Under High Food Supply. Estuaries and Coasts, 2020, 43, 387-395.	2.2	5
176	Behavioral Biomarkers for Animal Health: A Case Study Using Animal-Attached Technology on Loggerhead Turtles. Frontiers in Ecology and Evolution, 2020, 7, .	2.2	6
177	Discovery of Afifi, the shallowest and southernmost brine pool reported in the Red Sea. Scientific Reports, 2020, 10, 910.	3.3	16
178	Research Priorities for Achieving Healthy Marine Ecosystems and Human Communities in a Changing Climate. Frontiers in Marine Science, 2020, 7, .	2.5	39
179	Reconciling Tourism Development and Conservation Outcomes Through Marine Spatial Planning for a Saudi Giga-Project in the Red Sea (The Red Sea Project, Vision 2030). Frontiers in Marine Science, 2020, 7, .	2.5	28
180	Major imprint of surface plankton on deep ocean prokaryotic structure and activity. Molecular Ecology, 2020, 29, 1820-1838.	3.9	39

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181	Impact of seagrass establishment, industrialization and coastal infrastructure on seagrass biogeochemical sinks. Marine Environmental Research, 2020, 160, 104990.	2.5	23
182	A DNA miniâ€barcode for marine macrophytes. Molecular Ecology Resources, 2020, 20, 920-935.	4.8	25
183	Disentangling the mechanisms shaping the surface ocean microbiota. Microbiome, 2020, 8, 55.	11.1	154
184	Temporal evolution of temperatures in the Red Sea and the Gulf of Aden based on inÂsitu observations (1958â€“2017). Ocean Science, 2020, 16, 149-166.	3.4	12
185	Accumulation of 13C-labelled phenanthrene in phytoplankton and transfer to corals resolved using cavity ring-down spectroscopy. Ecotoxicology and Environmental Safety, 2020, 196, 110511.	6.0	13
186	Golden carbon of Sargassum forests revealed as an opportunity for climate change mitigation. Science of the Total Environment, 2020, 729, 138745.	8.0	68
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