

Carlos M. Duarte

List of Publications by Year in Descending Order

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

919
papers

66,073
citations

113
h-index

227
g-index

995
ext. papers

80,976
ext. citations

6.1
avg. IF

8.18
L-index

#	Paper	IF	Citations
919	Fate and Effects of Macro- and Microplastics in Coastal Wetlands.. <i>Environmental Science & Technology</i> , 2022 ,	10.3	9
918	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>Journal of the Royal Society Interface</i> , 2022 , 19, 20210692	4.1	1
917	Profiling the cell walls of seagrasses from A (Amphibolis) to Z (Zostera).. <i>BMC Plant Biology</i> , 2022 , 22, 63	5.3	0
916	In situ monitoring reveals cellular environmental instabilities in human pluripotent stem cell culture.. <i>Communications Biology</i> , 2022 , 5, 119	6.7	2
915	Toward Best Practices for Controlling Mammalian Cell Culture Environments.. <i>Frontiers in Cell and Developmental Biology</i> , 2022 , 10, 788808	5.7	1
914	Underestimated PAH accumulation potential of blue carbon vegetation: Evidence from sedimentary records of saltmarsh and mangrove in Yueqing Bay, China.. <i>Science of the Total Environment</i> , 2022 , 817, 152887	10.2	3
913	Unifying the known and unknown microbial coding sequence space.. <i>ELife</i> , 2022 , 11,	8.9	4
912	Rapid evolution of SARS-CoV-2 challenges human defenses.. <i>Scientific Reports</i> , 2022 , 12, 6457	4.9	3
911	Global collision-risk hotspots of marine traffic and the world's largest fish, the whale shark.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022 , 119, e2117440119 ^{11.5}	11.5	0
910	Operationalizing marketable blue carbon. <i>One Earth</i> , 2022 , 5, 485-492	8.1	2
909	Variable response of Red Sea coral communities to recent disturbance events along a latitudinal gradient. <i>Marine Biology</i> , 2021 , 168, 1	2.5	1
908	Animal lifestyle affects acceptable mass limits for attached tags. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2021 , 288, 20212005	4.4	3
907	Predicted regime shift in the seagrass ecosystem of the Gulf of Arguin driven by climate change. <i>Global Ecology and Conservation</i> , 2021 , 32, e01890	2.8	1
906	How often should dead-reckoned animal movement paths be corrected for drift?. <i>Animal Biotelemetry</i> , 2021 , 9, 43	2.8	1
905	Changes of the Macrobenthos Community with Non-native Mangrove Rehabilitation (<i>Kandelia obovata</i>) and Salt Marsh Invasion (<i>Spartina alterniflora</i>) in Ximen Island, Zhejiang, China. <i>Ocean Science Journal</i> , 2021 , 56, 395	1.1	3
904	Reef accumulation is decoupled from recent degradation in the central and southern Red Sea. <i>Science of the Total Environment</i> , 2021 , 809, 151176	10.2	0
903	WTO must ban harmful fisheries subsidies. <i>Science</i> , 2021 , 374, 544	33.3	11

902	A high-quality genome assembly and annotation of the gray mangrove, <i>Avicennia marina</i> . <i>G3: Genes, Genomes, Genetics</i> , 2021 , 11,	3.2	6
901	Flexibility in Red Sea -Symbiodiniaceae associations supports environmental niche adaptation. <i>Ecology and Evolution</i> , 2021 , 11, 3393-3406	2.8	0
900	Reimagining aquaculture in the Global South. <i>Science</i> , 2021 , 372, 247-248	33.3	0
899	Half of global methane emissions come from highly variable aquatic ecosystem sources. <i>Nature Geoscience</i> , 2021 , 14, 225-230	18.3	77
898	ENSO feedback drives variations in dieback at a marginal mangrove site. <i>Scientific Reports</i> , 2021 , 11, 8130	0.9	4
897	Giant clam inspired high-speed photo-conversion for ultraviolet optical wireless communication. <i>Optical Materials Express</i> , 2021 , 11, 1515	2.6	2
896	Seagrass (<i>Halophila stipulacea</i>) invasion enhances carbon sequestration in the Mediterranean Sea. <i>Global Change Biology</i> , 2021 , 27, 2592-2607	11.4	5
895	A standardisation framework for bio-logging data to advance ecological research and conservation. <i>Methods in Ecology and Evolution</i> , 2021 , 12, 996-1007	7.7	15
894	Enabling a large-scale assessment of litter along Saudi Arabian red sea shores by combining drones and machine learning. <i>Environmental Pollution</i> , 2021 , 277, 116730	9.3	16
893	Diversity and Sources of Airborne Eukaryotic Communities (AEC) in the Global Dust Belt over the Red Sea. <i>Earth Systems and Environment</i> , 2021 , 5, 459	7.5	5
892	Global Plastic Pollution Observation System to Aid Policy. <i>Environmental Science & Technology</i> , 2021 , 55, 7770-7775	10.3	15
891	Rise and fall of the global conversation and shifting sentiments during the COVID-19 pandemic. <i>Humanities and Social Sciences Communications</i> , 2021 , 8,	2.8	4
890	Deep ocean metagenomes provide insight into the metabolic architecture of bathypelagic microbial communities. <i>Communications Biology</i> , 2021 , 4, 604	6.7	17
889	A bibliometric assessment of progress in marine spatial planning. <i>Marine Policy</i> , 2021 , 127, 104329	3.5	11
888	Global COVID-19 lockdown highlights humans as both threats and custodians of the environment. <i>Biological Conservation</i> , 2021 , 263, 109175	6.2	20
887	An inshore-offshore sorting system revealed from global classification of ocean litter. <i>Nature Sustainability</i> , 2021 , 4, 484-493	22.1	39
886	Habitat-forming species trap microplastics into coastal sediment sinks. <i>Science of the Total Environment</i> , 2021 , 772, 145520	10.2	14
885	KAUST Metagenomic Analysis Platform (KMAP), enabling access to massive analytics of re-annotated metagenomic data. <i>Scientific Reports</i> , 2021 , 11, 11511	4.9	

884	Anthropogenic litter density and composition data acquired flying commercial drones on sandy beaches along the Saudi Arabian Red Sea. <i>Data in Brief</i> , 2021 , 36, 107056	1.2	0
883	Nutrient and temperature constraints on primary production and net phytoplankton growth in a tropical ecosystem. <i>Limnology and Oceanography</i> , 2021 , 66, 2923-2935	4.8	2
882	Factors Determining Seagrass Blue Carbon Across Bioregions and Geomorphologies. <i>Global Biogeochemical Cycles</i> , 2021 , 35, e2021GB006935	5.9	5
881	Seaweed Farms provide refugia from ocean acidification. <i>Science of the Total Environment</i> , 2021 , 776, 145192	10.2	16
880	Recovery of assessed global fish stocks remains uncertain. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	5
879	Satellite Tracking Reveals Nesting Patterns, Site Fidelity, and Potential Impacts of Warming on Major Green Turtle Rookeries in the Red Sea. <i>Frontiers in Marine Science</i> , 2021 , 8,	4.5	2
878	Nutrient pollution enhances productivity and framework dissolution in algae- but not in coral-dominated reef communities. <i>Marine Pollution Bulletin</i> , 2021 , 168, 112444	6.7	3
877	Losses of Soil Organic Carbon with Deforestation in Mangroves of Madagascar. <i>Ecosystems</i> , 2021 , 24, 1-19	3.9	16
876	High summer temperatures amplify functional differences between coral- and algae-dominated reef communities. <i>Ecology</i> , 2021 , 102, e03226	4.6	9
875	Total alkalinity production in a mangrove ecosystem reveals an overlooked Blue Carbon component. <i>Limnology and Oceanography Letters</i> , 2021 , 6, 61-67	7.9	13
874	Optimising sample sizes for animal distribution analysis using tracking data. <i>Methods in Ecology and Evolution</i> , 2021 , 12, 288-297	7.7	3
873	Century-long records reveal shifting challenges to seagrass recovery. <i>Global Change Biology</i> , 2021 , 27, 563-575	11.4	8
872	Host-association as major driver of microbiome structure and composition in Red Sea seagrass ecosystems. <i>Environmental Microbiology</i> , 2021 , 23, 2021-2034	5.2	4
871	The Potential for Ocean-Based Climate Action: Negative Emissions Technologies and Beyond. <i>Frontiers in Climate</i> , 2021 , 2,	7.1	13
870	Stocks and losses of soil organic carbon from Chinese vegetated coastal habitats. <i>Global Change Biology</i> , 2021 , 27, 202-214	11.4	12
869	Temperature transcends partner specificity in the symbiosis establishment of a cnidarian. <i>ISME Journal</i> , 2021 , 15, 141-153	11.9	5
868	Susan Lynn Williams: the Life of an Exceptional Scholar, Leader, and Friend (1951-2018). <i>Estuaries and Coasts</i> , 2021 , 44, 304-311	2.8	1
867	Areal Extent, Species Composition, and Spatial Distribution of Coastal Saltmarshes in China. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2021 , 14, 7085-7094	4.7	8

866	Impacts of hypoxic events surpass those of future ocean warming and acidification. <i>Nature Ecology and Evolution</i> , 2021 , 5, 311-321	12.3	34
865	The global network of ports supporting high seas fishing. <i>Science Advances</i> , 2021 , 7,	14.3	3
864	The soundscape of the Anthropocene ocean. <i>Science</i> , 2021 , 371,	33.3	113
863	Enhanced Viral Activity in the Surface Microlayer of the Arctic and Antarctic Oceans. <i>Microorganisms</i> , 2021 , 9,	4.9	2
862	HMD-ARG: hierarchical multi-task deep learning for annotating antibiotic resistance genes. <i>Microbiome</i> , 2021 , 9, 40	16.6	8
861	Flexible Hall sensor made of laser-scribed graphene. <i>Npj Flexible Electronics</i> , 2021 , 5,	10.7	4
860	Climate-driven impacts of exotic species on marine ecosystems. <i>Global Ecology and Biogeography</i> , 2021 , 30, 1043-1055	6.1	3
859	Reply to: Caution over the use of ecological big data for conservation. <i>Nature</i> , 2021 , 595, E20-E28	50.4	2
858	Reply to: Shark mortality cannot be assessed by fishery overlap alone. <i>Nature</i> , 2021 , 595, E8-E16	50.4	2
857	Effects of Ecological Restoration Using Non-Native Mangrove <i>Kandelia obovata</i> to Replace Invasive <i>Spartina alterniflora</i> on Intertidal Macrobenthos Community in Maoyan Island (Zhejiang, China). <i>Journal of Marine Science and Engineering</i> , 2021 , 9, 788	2.4	2
856	Assessment of Red Sea temperatures in CMIP5 models for present and future climate. <i>PLoS ONE</i> , 2021 , 16, e0255505	3.7	3
855	Dead-reckoning animal movements in R: a reappraisal using Gundog.Tracks. <i>Animal Biotelemetry</i> , 2021 , 9,	2.8	5
854	Detection of SARS-CoV-2 variants requires urgent global coordination. <i>International Journal of Infectious Diseases</i> , 2021 , 109, 50-53	10.5	2
853	The conservation and ecological impacts of the COVID-19 pandemic. <i>Biological Conservation</i> , 2021 , 260, 109204	6.2	2
852	Projecting coral responses to intensifying marine heatwaves under ocean acidification. <i>Global Change Biology</i> , 2021 ,	11.4	5
851	A prevalent neglect of environmental control in mammalian cell culture calls for best practices. <i>Nature Biomedical Engineering</i> , 2021 , 5, 787-792	19	7
850	A prediction and imputation method for marine animal movement data. <i>PeerJ Computer Science</i> , 2021 , 7, e656	2.7	0
849	Distribution and temporal trends in the abundance of nesting sea turtles in the Red Sea. <i>Biological Conservation</i> , 2021 , 261, 109235	6.2	2

848	Comprehensive analytical approaches reveal species-specific search strategies in sympatric apex predatory sharks. <i>Ecography</i> , 2021 , 44, 1544-1556	6.5	1
847	Integrating environmental variability to broaden the research on coral responses to future ocean conditions. <i>Global Change Biology</i> , 2021 , 27, 5532-5546	11.4	2
846	Sustainable and Eco-Friendly Coral Restoration through 3D Printing and Fabrication. <i>ACS Sustainable Chemistry and Engineering</i> , 2021 , 9, 12634-12645	8.3	3
845	The Simrad EK60 echosounder dataset from the Malaspina circumnavigation. <i>Scientific Data</i> , 2021 , 8, 259	8.2	0
844	Investing in Blue Natural Capital to Secure a Future for the Red Sea Ecosystems. <i>Frontiers in Marine Science</i> , 2021 , 7,	4.5	6
843	Impact of Marine Heatwaves on Seagrass Ecosystems. <i>Ecological Studies</i> , 2021 , 345-364	1.1	2
842	Spatial Connectivity and Drivers of Shark Habitat Use Within a Large Marine Protected Area in the Caribbean, The Bahamas Shark Sanctuary. <i>Frontiers in Marine Science</i> , 2021 , 7,	4.5	9
841	Trophic Structure of Neuston Across Tropical and Subtropical Oceanic Provinces Assessed With Stable Isotopes. <i>Frontiers in Marine Science</i> , 2021 , 7,	4.5	1
840	Imprint of Climate Change on Pan-Arctic Marine Vegetation. <i>Frontiers in Marine Science</i> , 2020 , 7,	4.5	12
839	Stimulated Raman microspectroscopy as a new method to classify microfibers from environmental samples. <i>Environmental Pollution</i> , 2020 , 267, 115640	9.3	14
838	Source Apportionment and Elemental Composition of Atmospheric Total Suspended Particulates (TSP) Over the Red Sea Coast of Saudi Arabia. <i>Earth Systems and Environment</i> , 2020 , 4, 777-788	7.5	10
837	Cellular network Marine Sensor Buoy 2020 ,		4
836	The ocean genome and future prospects for conservation and equity. <i>Nature Sustainability</i> , 2020 , 3, 588-596		21
835	Differential thermal tolerance between algae and corals may trigger the proliferation of algae in coral reefs. <i>Global Change Biology</i> , 2020 , 26, 4316-4327	11.4	17
834	The Colors of the Ocean Plastics. <i>Environmental Science & Technology</i> , 2020 , 54, 6594-6601	10.3	47
833	Giant clams in shallow reefs: UV-resistance mechanisms of Tridacninae in the Red Sea. <i>Coral Reefs</i> , 2020 , 39, 1345-1360	4.2	2
832	COVID-19 lockdown allows researchers to quantify the effects of human activity on wildlife. <i>Nature Ecology and Evolution</i> , 2020 , 4, 1156-1159	12.3	225
831	Mass, nutrients and dissolved organic carbon (DOC) lateral transports off northwest Africa during fall 2002 and spring 2003. <i>Ocean Science</i> , 2020 , 16, 483-511	4	3

830	A framework for experimental scenarios of global change in marine systems using coral reefs as a case study. <i>Royal Society Open Science</i> , 2020 , 7, 191118	3.3	3
829	Warming enhances carbon dioxide and methane fluxes from Red Sea seagrass (<i>Halophila stipulacea</i>) sediments. <i>Biogeosciences</i> , 2020 , 17, 1717-1730	4.6	4
828	COVID-19 pandemic and associated lockdown as a "Global Human Confinement Experiment" to investigate biodiversity conservation. <i>Biological Conservation</i> , 2020 , 248, 108665	6.2	110
827	Prokaryotic Capability to Use Organic Substrates Across the Global Tropical and Subtropical Ocean. <i>Frontiers in Microbiology</i> , 2020 , 11, 918	5.7	2
826	Picocyanobacteria Community and Cyanophage Infection Responses to Nutrient Enrichment in a Mesocosms Experiment in Oligotrophic Waters. <i>Frontiers in Microbiology</i> , 2020 , 11, 1153	5.7	8
825	Robustness to extinction and plasticity derived from mutualistic bipartite ecological networks. <i>Scientific Reports</i> , 2020 , 10, 9783	4.9	6
824	Laser-Printed, Flexible Graphene Pressure Sensors. <i>Global Challenges</i> , 2020 , 4, 2000001	4.3	20
823	Tropical seagrass shifts thermal tolerance during Mediterranean invasion. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2020 , 287, 20193001	4.4	12
822	Passive and Active Removal of Marine Microplastics by a Mushroom Coral (<i>Danafungia scruposa</i>). <i>Frontiers in Marine Science</i> , 2020 , 7,	4.5	30
821	An "orientation sphere" visualization for examining animal head movements. <i>Ecology and Evolution</i> , 2020 , 10, 4291-4302	2.8	3
820	Anomalies in the carbonate system of Red Sea coastal habitats. <i>Biogeosciences</i> , 2020 , 17, 423-439	4.6	3
819	Rebuilding marine life. <i>Nature</i> , 2020 , 580, 39-51	50.4	262
818	UN Decade on Ecosystem Restoration 2021-2030: What Chance for Success in Restoring Coastal Ecosystems?. <i>Frontiers in Marine Science</i> , 2020 , 7,	4.5	83
817	Iridocytes Mediate Photonic Cooperation Between Giant Clams (<i>Tridacninae</i>) and Their Photosynthetic Symbionts. <i>Frontiers in Marine Science</i> , 2020 , 7,	4.5	17
816	Superhydrophobicity and size reduction enabled Halobates (Insecta: Heteroptera, Gerridae) to colonize the open ocean. <i>Scientific Reports</i> , 2020 , 10, 7785	4.9	13
815	Seagrass losses since mid-20th century fuelled CO emissions from soil carbon stocks. <i>Global Change Biology</i> , 2020 , 26, 4772-4784	11.4	16
814	Unfamiliar partnerships limit cnidarian holobiont acclimation to warming. <i>Global Change Biology</i> , 2020 , 26, 5539-5553	11.4	8
813	Additive impacts of deoxygenation and acidification threaten marine biota. <i>Global Change Biology</i> , 2020 , 26, 5602-5612	11.4	9

812	Translational Molecular Ecology in practice: Linking DNA-based methods to actionable marine environmental management. <i>Science of the Total Environment</i> , 2020 , 744, 140780	10.2	9
811	Drivers of the Low Metabolic Rates of Seagrass Meadows in the Red Sea. <i>Frontiers in Marine Science</i> , 2020 , 7,	4.5	8
810	Reply to: Indiscriminate data aggregation in ecological meta-analysis underestimates impacts of invasive species. <i>Nature Ecology and Evolution</i> , 2020 , 4, 315-317	12.3	
809	A metagenomic assessment of microbial eukaryotic diversity in the global ocean. <i>Molecular Ecology Resources</i> , 2020 , 20, 718	8.4	29
808	Role of vegetated coastal ecosystems as nitrogen and phosphorous filters and sinks in the coasts of Saudi Arabia. <i>Environmental Research Letters</i> , 2020 , 15, 034058	6.2	13
807	Microplastics in fishes of commercial and ecological importance from the Western Arabian Gulf. <i>Marine Pollution Bulletin</i> , 2020 , 152, 110920	6.7	29
806	Contribution of Seagrass Blue Carbon Toward Carbon Neutral Policies in a Touristic and Environmentally-Friendly Island. <i>Frontiers in Marine Science</i> , 2020 , 7,	4.5	26
805	Arctic (Svalbard islands) active and exported diatom stocks and cell health status. <i>Biogeosciences</i> , 2020 , 17, 35-45	4.6	4
804	Dense Mytilus Beds Along Freshwater-Influenced Greenland Shores: Resistance to Corrosive Waters Under High Food Supply. <i>Estuaries and Coasts</i> , 2020 , 43, 387-395	2.8	2
803	Behavioral Biomarkers for Animal Health: A Case Study Using Animal-Attached Technology on Loggerhead Turtles. <i>Frontiers in Ecology and Evolution</i> , 2020 , 7,	3.7	3
802	Discovery of Afifi, the shallowest and southernmost brine pool reported in the Red Sea. <i>Scientific Reports</i> , 2020 , 10, 910	4.9	9
801	Research Priorities for Achieving Healthy Marine Ecosystems and Human Communities in a Changing Climate. <i>Frontiers in Marine Science</i> , 2020 , 7,	4.5	19
800	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). <i>Frontiers in Marine Science</i> , 2020 , 7,	4.5	11
799	Major imprint of surface plankton on deep ocean prokaryotic structure and activity. <i>Molecular Ecology</i> , 2020 , 29, 1820-1838	5.7	11
798	Impact of seagrass establishment, industrialization and coastal infrastructure on seagrass biogeochemical sinks. <i>Marine Environmental Research</i> , 2020 , 160, 104990	3.3	7
797	A DNA mini-barcode for marine macrophytes. <i>Molecular Ecology Resources</i> , 2020 , 20, 920-935	8.4	11
796	Disentangling the mechanisms shaping the surface ocean microbiota. <i>Microbiome</i> , 2020 , 8, 55	16.6	57
795	Assessing the age- and gender-dependence of the severity and case fatality rates of COVID-19 disease in Spain. <i>Wellcome Open Research</i> , 2020 , 5, 117	4.8	7

794	Impact of UV radiation on plankton net community production: responses in Western Australian estuarine and coastal waters. <i>Marine Ecology - Progress Series</i> , 2020 , 651, 45-56	2.6	1
793	The Small Giant Clam, <i>Tridacna maxima</i> Exhibits Minimal Population Genetic Structure in the Red Sea and Genetic Differentiation From the Gulf of Aden. <i>Frontiers in Marine Science</i> , 2020 , 7,	4.5	3
792	Opportunities for blue carbon strategies in China. <i>Ocean and Coastal Management</i> , 2020 , 194, 105241	3.9	22
791	Ocean warming compresses the three-dimensional habitat of marine life. <i>Nature Ecology and Evolution</i> , 2020 , 4, 109-114	12.3	24
790	Performance of extraction methods for extracellular DNA from sediments across marine habitats. <i>Environmental DNA</i> , 2020 , 2, 91-98	7.6	0
789	High temperature and crab density reduce atmospheric nitrogen fixation in Red Sea mangrove sediments. <i>Estuarine, Coastal and Shelf Science</i> , 2020 , 232, 106487	2.9	4
788	Ecological effects of non-native species in marine ecosystems relate to co-occurring anthropogenic pressures. <i>Global Change Biology</i> , 2020 , 26, 1248-1258	11.4	10
787	Anthropogenic-induced acceleration of elemental burial rates in blue carbon repositories of the Arabian Gulf. <i>Science of the Total Environment</i> , 2020 , 719, 135177	10.2	11
786	Towards a unifying pan-arctic perspective: A conceptual modelling toolkit. <i>Progress in Oceanography</i> , 2020 , 189, 102455	3.8	11
785	Introducing the Mangrove Microbiome Initiative: Identifying Microbial Research Priorities and Approaches To Better Understand, Protect, and Rehabilitate Mangrove Ecosystems. <i>MSystems</i> , 2020 , 5,	7.6	12
784	Diversity and distribution of marine heterotrophic bacteria from a large culture collection. <i>BMC Microbiology</i> , 2020 , 20, 207	4.5	9
783	Genomic Blueprint of Glycine Betaine Metabolism in Coral Metaorganisms and Their Contribution to Reef Nitrogen Budgets. <i>iScience</i> , 2020 , 23, 101120	6.1	8
782	Hypothesis: Potentially Systemic Impacts of Elevated CO on the Human Proteome and Health. <i>Frontiers in Public Health</i> , 2020 , 8, 543322	6	7
781	Large deep-sea zooplankton biomass mirrors primary production in the global ocean. <i>Nature Communications</i> , 2020 , 11, 6048	17.4	21
780	The restoration imperative to achieve a sustainable ocean economy nobody foretold in 1871. <i>One Earth</i> , 2020 , 3, 669-671	8.1	3
779	<i>Posidonia oceanica</i> as a Source of Chromophoric Dissolved Organic Matter for the Oligotrophic NW Mediterranean Coast. <i>Journal of Marine Science and Engineering</i> , 2020 , 8, 911	2.4	
778	Aeolian Prokaryotic Communities of the Global Dust Belt Over the Red Sea. <i>Frontiers in Microbiology</i> , 2020 , 11, 538476	5.7	4
777	Public Perceptions of Mangrove Forests Matter for Their Conservation. <i>Frontiers in Marine Science</i> , 2020 , 7,	4.5	9

776	Functional Pangenome Analysis Shows Key Features of E Protein Are Preserved in SARS and SARS-CoV-2. <i>Frontiers in Cellular and Infection Microbiology</i> , 2020 , 10, 405	5.9	25
775	Operationalizing Ocean Health: Toward Integrated Research on Ocean Health and Recovery to Achieve Ocean Sustainability. <i>One Earth</i> , 2020 , 2, 557-565	8.1	17
774	Stunted Mangrove Trees in the Oligotrophic Central Red Sea Relate to Nitrogen Limitation. <i>Frontiers in Marine Science</i> , 2020 , 7,	4.5	7
773	Comparative infection modeling and control of COVID-19 transmission patterns in China, South Korea, Italy and Iran. <i>Science of the Total Environment</i> , 2020 , 747, 141447	10.2	32
772	Sequencing effort dictates gene discovery in marine microbial metagenomes. <i>Environmental Microbiology</i> , 2020 , 22, 4589-4603	5.2	8
771	Exponential increase of plastic burial in mangrove sediments as a major plastic sink. <i>Science Advances</i> , 2020 , 6,	14.3	71
770	Environmental DNA identifies marine macrophyte contributions to Blue Carbon sediments. <i>Limnology and Oceanography</i> , 2020 , 65, 3139-3149	4.8	7
769	No Evidence for Temperature-Dependence of the COVID-19 Epidemic. <i>Frontiers in Public Health</i> , 2020 , 8, 436	6	40
768	Beyond Reef Restoration: Next-Generation Techniques for Coral Gardening, Landscaping, and Outreach. <i>Frontiers in Marine Science</i> , 2020 , 7,	4.5	9
767	A new direction for differentiating animal activity based on measuring angular velocity about the yaw axis. <i>Ecology and Evolution</i> , 2020 , 10, 7872-7886	2.8	7
766	Variability in Water-Column Respiration and Its Dependence on Organic Carbon Sources in the Canary Current Upwelling Region. <i>Frontiers in Earth Science</i> , 2020 , 8,	3.5	3
765	Gelatinous Zooplankton-Mediated Carbon Flows in the Global Oceans: A Data-Driven Modeling Study. <i>Global Biogeochemical Cycles</i> , 2020 , 34, e2020GB006704	5.9	16
764	Perceptions of Marine Environmental Issues by Saudi Citizens. <i>Frontiers in Marine Science</i> , 2020 , 7,	4.5	3
763	Estimates for energy expenditure in free-living animals using acceleration proxies: A reappraisal. <i>Journal of Animal Ecology</i> , 2020 , 89, 161-172	4.7	55
762	Marked changes in diversity and relative activity of picoeukaryotes with depth in the world ocean. <i>ISME Journal</i> , 2020 , 14, 437-449	11.9	39
761	Defining CO and O syndromes of marine biomes in the Anthropocene. <i>Global Change Biology</i> , 2020 , 26, 355-363	11.4	4
760	Temporal evolution of temperatures in the Red Sea and the Gulf of Aden based on in situ observations (1958-2017). <i>Ocean Science</i> , 2020 , 16, 149-166	4	8
759	Accumulation of C-labelled phenanthrene in phytoplankton and transfer to corals resolved using cavity ring-down spectroscopy. <i>Ecotoxicology and Environmental Safety</i> , 2020 , 196, 110511	7	7

758	Golden carbon of Sargassum forests revealed as an opportunity for climate change mitigation. <i>Science of the Total Environment</i> , 2020 , 729, 138745	10.2	28
757	Night-Time Temperature Reprieves Enhance the Thermal Tolerance of a Symbiotic Cnidarian. <i>Frontiers in Marine Science</i> , 2019 , 6,	4.5	9
756	Combining Semantic Tools for Automatic Evaluation of Alternative Texts 2019 ,		1
755	Airborne Prokaryote and Virus Abundance Over the Red Sea. <i>Frontiers in Microbiology</i> , 2019 , 10, 1112	5.7	15
754	Oxygen supersaturation protects coastal marine fauna from ocean warming. <i>Science Advances</i> , 2019 , 5, eaax1814	14.3	26
753	The future of Blue Carbon science. <i>Nature Communications</i> , 2019 , 10, 3998	17.4	165
752	Rates and drivers of Red Sea plankton community metabolism. <i>Biogeosciences</i> , 2019 , 16, 2983-2995	4.6	5
751	Australian vegetated coastal ecosystems as global hotspots for climate change mitigation. <i>Nature Communications</i> , 2019 , 10, 4313	17.4	75
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569	A quantitative assessment of Arctic shipping in 2010-2014. <i>Scientific Reports</i> , 2016 , 6, 30682	4.9	103
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