

Carlos M. Duarte

List of Publications by Year in descending order

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Version: 2024-02-01

928
papers

95,204
citations

397

133
h-index

547

264
g-index

997
all docs

997
docs citations

997
times ranked

51823
citing authors

#	ARTICLE	IF	CITATIONS
1	Accelerating loss of seagrasses across the globe threatens coastal ecosystems. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 12377-12381.	3.3	2,971
2	Plumbing the Global Carbon Cycle: Integrating Inland Waters into the Terrestrial Carbon Budget. Ecosystems, 2007, 10, 172-185.	1.6	2,836
3	A blueprint for blue carbon: toward an improved understanding of the role of vegetated coastal habitats in sequestering CO ₂ . Frontiers in Ecology and the Environment, 2011, 9, 552-560.	1.9	2,354
4	A Global Crisis for Seagrass Ecosystems. BioScience, 2006, 56, 987.	2.2	2,318
5	Plastic debris in the open ocean. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 10239-10244.	3.3	2,157
6	Impacts of ocean acidification on marine organisms: quantifying sensitivities and interaction with warming. Global Change Biology, 2013, 19, 1884-1896.	4.2	1,772
7	Global imprint of climate change on marine life. Nature Climate Change, 2013, 3, 919-925.	8.1	1,602
8	The global abundance and size distribution of lakes, ponds, and impoundments. Limnology and Oceanography, 2006, 51, 2388-2397.	1.6	1,426
9	Seagrass ecosystems as a globally significant carbon stock. Nature Geoscience, 2012, 5, 505-509.	5.4	1,406
10	Thresholds of hypoxia for marine biodiversity. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 15452-15457.	3.3	1,395
11	The role of coastal plant communities for climate change mitigation and adaptation. Nature Climate Change, 2013, 3, 961-968.	8.1	1,369
12	Major role of marine vegetation on the oceanic carbon cycle. Biogeosciences, 2005, 2, 1-8.	1.3	1,069
13	The Pace of Shifting Climate in Marine and Terrestrial Ecosystems. Science, 2011, 334, 652-655.	6.0	1,062
14	The future of seagrass meadows. Environmental Conservation, 2002, 29, 192-206.	0.7	859
15	Submerged aquatic vegetation in relation to different nutrient regimes. Ophelia, 1995, 41, 87-112.	0.3	808
16	Patterns in decomposition rates among photosynthetic organisms: the importance of detritus C:N:P content. Oecologia, 1993, 94, 457-471.	0.9	800
17	The fate of marine autotrophic production. Limnology and Oceanography, 1996, 41, 1758-1766.	1.6	726
18	Seagrass depth limits. Aquatic Botany, 1991, 40, 363-377.	0.8	711

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19	Ecogenomics and potential biogeochemical impacts of globally abundant ocean viruses. <i>Nature</i> , 2016, 537, 689-693.	13.7	629
20	Ecological thresholds and regime shifts: approaches to identification. <i>Trends in Ecology and Evolution</i> , 2009, 24, 49-57.	4.2	623
21	Substantial role of macroalgae in marine carbon sequestration. <i>Nature Geoscience</i> , 2016, 9, 737-742.	5.4	623
22	Seagrass biomass and production: a reassessment. <i>Aquatic Botany</i> , 1999, 65, 159-174.	0.8	621
23	Footprints of climate change in the Arctic marine ecosystem. <i>Global Change Biology</i> , 2011, 17, 1235-1249.	4.2	612
24	Nutrient and temperature control of the contribution of picoplankton to phytoplankton biomass and production. <i>Limnology and Oceanography</i> , 2000, 45, 591-600.	1.6	577
25	Standardizing methods to address clonality in population studies. <i>Molecular Ecology</i> , 2007, 16, 5115-5139.	2.0	568
26	Is Ocean Acidification an Open-Ocean Syndrome? Understanding Anthropogenic Impacts on Seawater pH. <i>Estuaries and Coasts</i> , 2013, 36, 221-236.	1.0	561
27	Large mesopelagic fishes biomass and trophic efficiency in the open ocean. <i>Nature Communications</i> , 2014, 5, 3271.	5.8	561
28	Rebuilding marine life. <i>Nature</i> , 2020, 580, 39-51.	13.7	560
29	Plastic Accumulation in the Mediterranean Sea. <i>PLoS ONE</i> , 2015, 10, e0121762.	1.1	553
30	Return to Neverland: Shifting Baselines Affect Eutrophication Restoration Targets. <i>Estuaries and Coasts</i> , 2009, 32, 29-36.	1.0	523
31	Respiration in the open ocean. <i>Nature</i> , 2002, 420, 379-384.	13.7	495
32	Seagrass sediments as a global carbon sink: Isotopic constraints. <i>Global Biogeochemical Cycles</i> , 2010, 24, .	1.9	495
33	The genome of the seagrass <i>Zostera marina</i> reveals angiosperm adaptation to the sea. <i>Nature</i> , 2016, 530, 331-335.	13.7	460
34	Marine reserves can mitigate and promote adaptation to climate change. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 6167-6175.	3.3	450
35	Microbial oceanography of the dark ocean's pelagic realm. <i>Limnology and Oceanography</i> , 2009, 54, 1501-1529.	1.6	437
36	Geographical limits to species-range shifts are suggested by climate velocity. <i>Nature</i> , 2014, 507, 492-495.	13.7	436

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37	Mediterranean warming triggers seagrass (<i>Posidonia oceanica</i>) shoot mortality. <i>Global Change Biology</i> , 2010, 16, 2366-2375.	4.2	424
38	The Arctic Ocean as a dead end for floating plastics in the North Atlantic branch of the Thermohaline Circulation. <i>Science Advances</i> , 2017, 3, e1600582.	4.7	417
39	COVID-19 lockdown allows researchers to quantify the effects of human activity on wildlife. <i>Nature Ecology and Evolution</i> , 2020, 4, 1156-1159.	3.4	413
40	Seagrass community metabolism: Assessing the carbon sink capacity of seagrass meadows. <i>Global Biogeochemical Cycles</i> , 2010, 24, .	1.9	412
41	Global patterns in mangrove soil carbon stocks and losses. <i>Nature Climate Change</i> , 2017, 7, 523-528.	8.1	412
42	The Charisma of Coastal Ecosystems: Addressing the Imbalance. <i>Estuaries and Coasts</i> , 2008, 31, 233-238.	1.0	408
43	The future of Blue Carbon science. <i>Nature Communications</i> , 2019, 10, 3998.	5.8	406
44	Sediment organic carbon burial in agriculturally eutrophic impoundments over the last century. <i>Global Biogeochemical Cycles</i> , 2008, 22, .	1.9	399
45	Key Questions in Marine Megafauna Movement Ecology. <i>Trends in Ecology and Evolution</i> , 2016, 31, 463-475.	4.2	397
46	Vulnerability of marine biodiversity to ocean acidification: A meta-analysis. <i>Estuarine, Coastal and Shelf Science</i> , 2010, 86, 157-164.	0.9	391
47	Half of global methane emissions come from highly variable aquatic ecosystem sources. <i>Nature Geoscience</i> , 2021, 14, 225-230.	5.4	388
48	Sediment Retention by a Mediterranean <i>Posidonia oceanica</i> Meadow: The Balance between Deposition and Resuspension. <i>Estuarine, Coastal and Shelf Science</i> , 2001, 52, 505-514.	0.9	383
49	Recurrent jellyfish blooms are a consequence of global oscillations. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 1000-1005.	3.3	378
50	The soundscape of the Anthropocene ocean. <i>Science</i> , 2021, 371, .	6.0	376
51	Can Seaweed Farming Play a Role in Climate Change Mitigation and Adaptation?. <i>Frontiers in Marine Science</i> , 2017, 4, .	1.2	350
52	Global analysis of seagrass restoration: the importance of large-scale planting. <i>Journal of Applied Ecology</i> , 2016, 53, 567-578.	1.9	348
53	Nutrient concentration of aquatic plants: Patterns across species. <i>Limnology and Oceanography</i> , 1992, 37, 882-889.	1.6	346
54	Biomass distribution in marine planktonic communities. <i>Limnology and Oceanography</i> , 1997, 42, 1353-1363.	1.6	341

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55	Rhizome elongation and seagrass clonal growth. <i>Marine Ecology - Progress Series</i> , 1998, 174, 269-280.	0.9	324
56	A marine heatwave drives massive losses from the world's largest seagrass carbon stocks. <i>Nature Climate Change</i> , 2018, 8, 338-344.	8.1	318
57	Prevalence of Heterotrophy and Atmospheric CO2 Emissions from Aquatic Ecosystems. <i>Ecosystems</i> , 2005, 8, 862-870.	1.6	307
58	Will the Oceans Help Feed Humanity?. <i>BioScience</i> , 2009, 59, 967-976.	2.2	305
59	Trophic Transfers from Seagrass Meadows Subsidize Diverse Marine and Terrestrial Consumers. <i>Ecosystems</i> , 2008, 11, 1198-1210.	1.6	304
60	The CO2 Balance of Unproductive Aquatic Ecosystems. , 1998, 281, 234-236.		302
61	Mediterranean seagrass vulnerable to regional climate warming. <i>Nature Climate Change</i> , 2012, 2, 821-824.	8.1	282
62	An approach to measurement of particle flux and sediment retention within seagrass (Posidonia) Tj ETQq0 0 0 rgBT /Overlock, 10 Tf 50 4	0.8	278
63	Marine biodiversity and ecosystem services: an elusive link. <i>Journal of Experimental Marine Biology and Ecology</i> , 2000, 250, 117-131.	0.7	269
64	Assessing the capacity of seagrass meadows for carbon burial: Current limitations and future strategies. <i>Ocean and Coastal Management</i> , 2013, 83, 32-38.	2.0	264
65	Dimensions of Blue Carbon and emerging perspectives. <i>Biology Letters</i> , 2019, 15, 20180781.	1.0	261
66	Blue carbon as a natural climate solution. <i>Nature Reviews Earth & Environment</i> , 2021, 2, 826-839.	12.2	261
67	Questioning the Rise of Gelatinous Zooplankton in the World's Oceans. <i>BioScience</i> , 2012, 62, 160-169.	2.2	257
68	Global abundance and size distribution of streams and rivers. <i>Inland Waters</i> , 2012, 2, 229-236.	1.1	257
69	Translating Marine Animal Tracking Data into Conservation Policy and Management. <i>Trends in Ecology and Evolution</i> , 2019, 34, 459-473.	4.2	256
70	Associations of concern: declining seagrasses and threatened dependent species. <i>Frontiers in Ecology and the Environment</i> , 2009, 7, 242-246.	1.9	254
71	Global spatial risk assessment of sharks under the footprint of fisheries. <i>Nature</i> , 2019, 572, 461-466.	13.7	254
72	Ocean Solutions to Address Climate Change and Its Effects on Marine Ecosystems. <i>Frontiers in Marine Science</i> , 2018, 5, .	1.2	248

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73	Light availability in the coastal ocean: impact on the distribution of benthic photosynthetic organisms and their contribution to primary production. <i>Biogeosciences</i> , 2006, 3, 489-513.	1.3	246
74	ECOLOGY: Rapid Domestication of Marine Species. <i>Science</i> , 2007, 316, 382-383.	6.0	242
75	Annual Zooplankton Succession in Coastal NW Mediterranean Waters: The Importance of the Smaller Size Fractions. <i>Journal of Plankton Research</i> , 2001, 23, 319-331.	0.8	239
76	Is global ocean sprawl a cause of jellyfish blooms?. <i>Frontiers in Ecology and the Environment</i> , 2013, 11, 91-97.	1.9	231
77	Dilution limits dissolved organic carbon utilization in the deep ocean. <i>Science</i> , 2015, 348, 331-333.	6.0	230
78	Recent trend reversal for declining European seagrass meadows. <i>Nature Communications</i> , 2019, 10, 3356.	5.8	227
79	Growth and population dynamics of <i>Posidonia oceanica</i> on the Spanish Mediterranean coast: elucidating seagrass decline. <i>Marine Ecology - Progress Series</i> , 1996, 137, 203-213.	0.9	222
80	Sequestration of macroalgal carbon: the elephant in the Blue Carbon room. <i>Biology Letters</i> , 2018, 14, 20180236.	1.0	222
81	Mangrove forests as traps for marine litter. <i>Environmental Pollution</i> , 2019, 247, 499-508.	3.7	222
82	Experimental assessment and modeling evaluation of the effects of the seagrass <i>Posidonia oceanica</i> on flow and particle trapping. <i>Marine Ecology - Progress Series</i> , 2008, 356, 163-173.	0.9	221
83	Photosynthetic activity buffers ocean acidification in seagrass meadows. <i>Biogeosciences</i> , 2014, 11, 333-346.	1.3	218
84	Carbon and nutrient deposition in a Mediterranean seagrass (<i>Posidonia oceanica</i>) meadow. <i>Limnology and Oceanography</i> , 2002, 47, 23-32.	1.6	217
85	Atmospheric deposition of organic and black carbon to the global oceans. <i>Atmospheric Environment</i> , 2008, 42, 7931-7939.	1.9	215
86	Global challenges for seagrass conservation. <i>Ambio</i> , 2019, 48, 801-815.	2.8	215
87	Ecosystem thresholds with hypoxia. <i>Hydrobiologia</i> , 2009, 629, 21-29.	1.0	214
88	Bacterioplankton community structure: Protists control net production and the proportion of active bacteria in a coastal marine community. <i>Limnology and Oceanography</i> , 1996, 41, 1169-1179.	1.6	213
89	Are seagrass growth and survival constrained by the reducing conditions of the sediment?. <i>Aquatic Botany</i> , 1999, 65, 175-197.	0.8	213
90	Temperature effects on oxygen thresholds for hypoxia in marine benthic organisms. <i>Global Change Biology</i> , 2011, 17, 1788-1797.	4.2	211

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91	Impact of seagrass loss and subsequent revegetation on carbon sequestration and stocks. <i>Journal of Ecology</i> , 2015, 103, 296-302.	1.9	199
92	Implications of Extreme Life Span in Clonal Organisms: Millenary Clones in Meadows of the Threatened Seagrass <i>Posidonia oceanica</i> . <i>PLoS ONE</i> , 2012, 7, e30454.	1.1	195
93	Reviews and syntheses: Hidden forests, the role of vegetated coastal habitats in the ocean carbon budget. <i>Biogeosciences</i> , 2017, 14, 301-310.	1.3	195
94	Export from Seagrass Meadows Contributes to Marine Carbon Sequestration. <i>Frontiers in Marine Science</i> , 2017, 4, .	1.2	195
95	To produce many small or few large eggs: a size-independent reproductive tactic of fish. <i>Oecologia</i> , 1989, 80, 401-404.	0.9	192
96	Global diversity and biogeography of deep-sea pelagic prokaryotes. <i>ISME Journal</i> , 2016, 10, 596-608.	4.4	191
97	Littoral slope as a predictor of the maximum biomass of submerged macrophyte communities ^{1,1} . <i>Limnology and Oceanography</i> , 1986, 31, 1072-1080.	1.6	190
98	Microplastic in the gastrointestinal tract of fishes along the Saudi Arabian Red Sea coast. <i>Marine Pollution Bulletin</i> , 2018, 131, 407-415.	2.3	185
99	Sinking particles promote vertical connectivity in the ocean microbiome. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E6799-E6807.	3.3	185
100	Oxygen dynamics in the rhizosphere of <i>Cymodocea rotundata</i> . <i>Marine Ecology - Progress Series</i> , 1998, 169, 283-288.	0.9	183
101	Unifying Nutrient-Chlorophyll Relationships in Lakes. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 1989, 46, 1176-1182.	0.7	181
102	Public awareness, concerns, and priorities about anthropogenic impacts on marine environments. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 15042-15047.	3.3	181
103	UN Decade on Ecosystem Restoration 2021-2030: What Chance for Success in Restoring Coastal Ecosystems?. <i>Frontiers in Marine Science</i> , 2020, 7, .	1.2	181
104	The impact of sediment burial and erosion on seagrasses: A review. <i>Estuarine, Coastal and Shelf Science</i> , 2008, 79, 354-366.	0.9	180
105	COVID-19 pandemic and associated lockdown as a "Global Human Confinement Experiment" to investigate biodiversity conservation. <i>Biological Conservation</i> , 2020, 248, 108665.	1.9	180
106	Seafaring in the 21st Century: The Malaspina 2010 Circumnavigation Expedition. <i>Limnology and Oceanography Bulletin</i> , 2015, 24, 11-14.	0.2	178
107	An inshore-offshore sorting system revealed from global classification of ocean litter. <i>Nature Sustainability</i> , 2021, 4, 484-493.	11.5	178
108	Active versus inactive bacteria: size-dependence in a coastal marine plankton community. <i>Marine Ecology - Progress Series</i> , 1995, 128, 91-97.	0.9	178

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109	Ubiquitous healthy diatoms in the deep sea confirm deep carbon injection by the biological pump. <i>Nature Communications</i> , 2015, 6, 7608.	5.8	177
110	Rare symbionts may contribute to the resilience of coral-algal assemblages. <i>ISME Journal</i> , 2018, 12, 161-172.	4.4	174
111	Genetic structure at range edge: low diversity and high inbreeding in Southeast Asian mangrove (<i>Avicennia marina</i>) populations. <i>Molecular Ecology</i> , 2006, 15, 3515-3525.	2.0	173
112	Large variability of bathypelagic microbial eukaryotic communities across the world's oceans. <i>ISME Journal</i> , 2016, 10, 945-958.	4.4	171
113	Beyond climate change attribution in conservation and ecological research. <i>Ecology Letters</i> , 2013, 16, 58-71.	3.0	167
114	Mediterranean seagrass (<i>Posidonia oceanica</i>) loss between 1842 and 2009. <i>Biological Conservation</i> , 2014, 176, 183-190.	1.9	166
115	Ecological and methodological drivers of species distribution and phenology responses to climate change. <i>Global Change Biology</i> , 2016, 22, 1548-1560.	4.2	162
116	Vicariance patterns in the Mediterranean Sea: east-west cleavage and low dispersal in the endemic seagrass <i>Posidonia oceanica</i> . <i>Journal of Biogeography</i> , 2007, 34, 963-976.	1.4	159
117	Carbon and nitrogen translocation between seagrass ramets. <i>Marine Ecology - Progress Series</i> , 2002, 226, 287-300.	0.9	159
118	Consequences of Mediterranean warming events in seagrass (<i>Posidonia oceanica</i>) flowering records. <i>Global Change Biology</i> , 2007, 13, 224-235.	4.2	157
119	Changes in Community Structure and Biomass of Seagrass Communities along Gradients of Siltation in SE Asia. <i>Estuarine, Coastal and Shelf Science</i> , 1998, 46, 757-768.	0.9	156
120	Assessing Genetic Diversity in Clonal Organisms: Low Diversity or Low Resolution? Combining Power and Cost Efficiency in Selecting Markers. <i>Journal of Heredity</i> , 2005, 96, 434-440.	1.0	156
121	Exponential increase of plastic burial in mangrove sediments as a major plastic sink. <i>Science Advances</i> , 2020, 6, .	4.7	155
122	Paradigms in the Recovery of Estuarine and Coastal Ecosystems. <i>Estuaries and Coasts</i> , 2015, 38, 1202-1212.	1.0	154
123	Disentangling the mechanisms shaping the surface ocean microbiota. <i>Microbiome</i> , 2020, 8, 55.	4.9	154
124	Network analysis identifies weak and strong links in a metapopulation system. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 18824-18829.	3.3	152
125	Restarting the conversation: challenges at the interface between ecology and society. <i>Frontiers in Ecology and the Environment</i> , 2010, 8, 284-291.	1.9	152
126	Maritime aerosol network as a component of AERONET - first results and comparison with global aerosol models and satellite retrievals. <i>Atmospheric Measurement Techniques</i> , 2011, 4, 583-597.	1.2	152

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127	Decadal trends in Red Sea maximum surface temperature. <i>Scientific Reports</i> , 2017, 7, 8144.	1.6	151
128	Australian vegetated coastal ecosystems as global hotspots for climate change mitigation. <i>Nature Communications</i> , 2019, 10, 4313.	5.8	150
129	Depth-acclimation of photosynthesis, morphology and demography of <i>Posidonia oceanica</i> and <i>Cymodocea nodosa</i> in the Spanish Mediterranean Sea. <i>Marine Ecology - Progress Series</i> , 2002, 236, 89-97.	0.9	150
130	Climate Change Impacts on Seagrass Meadows and Macroalgal Forests: An Integrative Perspective on Acclimation and Adaptation Potential. <i>Frontiers in Marine Science</i> , 2018, 5, .	1.2	149
131	Estimates for energy expenditure in free-living animals using acceleration proxies: A reappraisal. <i>Journal of Animal Ecology</i> , 2020, 89, 161-172.	1.3	148
132	Growth patterns of Western Mediterranean seagrasses: species-specific responses to seasonal forcing. <i>Marine Ecology - Progress Series</i> , 1996, 133, 203-215.	0.9	147
133	Footprints of climate change on Mediterranean Sea biota. <i>Frontiers in Marine Science</i> , 2015, 2, .	1.2	145
134	Assessing the risk of carbon dioxide emissions from blue carbon ecosystems. <i>Frontiers in Ecology and the Environment</i> , 2017, 15, 257-265.	1.9	145
135	Habitat characteristics provide insights of carbon storage in seagrass meadows. <i>Marine Pollution Bulletin</i> , 2018, 134, 106-117.	2.3	145
136	Growth and abundance of <i>Synechococcus</i> sp. in a Mediterranean Bay: seasonality and relationship with temperature. <i>Marine Ecology - Progress Series</i> , 1998, 170, 45-53.	0.9	145
137	Effects of fish farm waste on <i>Posidonia oceanica</i> meadows: Synthesis and provision of monitoring and management tools. <i>Marine Pollution Bulletin</i> , 2008, 56, 1618-1629.	2.3	142
138	Temperature dependence of planktonic metabolism in the ocean. <i>Global Biogeochemical Cycles</i> , 2012, 26, .	1.9	141
139	Important contribution of macroalgae to oceanic carbon sequestration. <i>Nature Geoscience</i> , 2019, 12, 748-754.	5.4	141
140	Coupling of Seagrass (<i>Cymodocea Nodosa</i>) Patch Dynamics to Subaqueous dune Migration. <i>Journal of Ecology</i> , 1995, 83, 381.	1.9	140
141	A quantitative assessment of Arctic shipping in 2010-2014. <i>Scientific Reports</i> , 2016, 6, 30682.	1.6	140
142	Dramatic loss of seagrass habitat under projected climate change in the Mediterranean Sea. <i>Global Change Biology</i> , 2018, 24, 4919-4928.	4.2	140
143	Response of a mixed Philippine seagrass meadow to experimental burial. <i>Marine Ecology - Progress Series</i> , 1997, 147, 285-294.	0.9	140
144	Meadow maintenance, growth and productivity of a mixed Philippine seagrass bed. <i>Marine Ecology - Progress Series</i> , 1995, 124, 215-225.	0.9	139

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145	CO ₂ emissions from saline lakes: A global estimate of a surprisingly large flux. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	137
146	Overstretching attribution. <i>Nature Climate Change</i> , 2011, 1, 2-4.	8.1	137
147	Allometric scaling of plant life history. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 15777-15780.	3.3	136
148	The Colors of the Ocean Plastics. <i>Environmental Science & Technology</i> , 2020, 54, 6594-6601.	4.6	136
149	Expansion of vegetated coastal ecosystems in the future Arctic. <i>Frontiers in Marine Science</i> , 2014, 1, .	1.2	135
150	Use of unmanned aerial vehicles for efficient beach litter monitoring. <i>Marine Pollution Bulletin</i> , 2018, 131, 662-673.	2.3	135
151	Nutrient limitation of Philippine seagrasses (Cape Bolinao, NW Philippines):in situ experimental evidence. <i>Marine Ecology - Progress Series</i> , 1996, 138, 233-243.	0.9	135
152	Experimental evidence of reduced particle resuspension within a seagrass (<i>Posidonia oceanica</i> L.) meadow. <i>Journal of Experimental Marine Biology and Ecology</i> , 2000, 243, 45-53.	0.7	134
153	Methods for the measurement of seagrass growth and production. , 2001, , 155-182.		134
154	A seaweed aquaculture imperative to meet global sustainability targets. <i>Nature Sustainability</i> , 2022, 5, 185-193.	11.5	134
155	Comparative analyses in aquatic microbial ecology: how far do they go?. <i>FEMS Microbiology Ecology</i> , 2000, 31, 99-106.	1.3	133
156	Some aspects of the analysis of size spectra in aquatic ecology. <i>Limnology and Oceanography</i> , 1997, 42, 184-192.	1.6	132
157	Nutrient removal from Chinese coastal waters by large-scale seaweed aquaculture. <i>Scientific Reports</i> , 2017, 7, 46613.	1.6	131
158	Scaling Maximum Growth Rates Across Photosynthetic Organisms. <i>Functional Ecology</i> , 1996, 10, 167.	1.7	129
159	Root production and belowground seagrass biomass. <i>Marine Ecology - Progress Series</i> , 1998, 171, 97-108.	0.9	129
160	Carbon cycling and bacterial carbon sources in pristine and impacted Mediterranean seagrass sediments. <i>Aquatic Microbial Ecology</i> , 2004, 36, 227-237.	0.9	129
161	The Oligotrophic Ocean Is Heterotrophic. <i>Annual Review of Marine Science</i> , 2013, 5, 551-569.	5.1	129
162	Sulfur cycling and seagrass (<i>Posidonia oceanica</i>) status in carbonate sediments. <i>Biogeochemistry</i> , 2003, 66, 223-239.	1.7	128

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163	Global ecological impacts of marine exotic species. <i>Nature Ecology and Evolution</i> , 2019, 3, 787-800.	3.4	128
164	Long-range transport of airborne microbes over the global tropical and subtropical ocean. <i>Nature Communications</i> , 2017, 8, 201.	5.8	127
165	Animal-Borne Telemetry: An Integral Component of the Ocean Observing Toolkit. <i>Frontiers in Marine Science</i> , 2019, 6, .	1.2	127
166	Patterns in leaf herbivory on seagrasses. <i>Aquatic Botany</i> , 1998, 60, 67-82.	0.8	125
167	The movement ecology of seagrasses. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2014, 281, 20140878.	1.2	124
168	Flow and particle distributions in a nearshore seagrass meadow before and after a storm. <i>Marine Ecology - Progress Series</i> , 2001, 218, 95-106.	0.9	124
169	Evidence of direct particle trapping by a tropical seagrass meadow. <i>Estuaries and Coasts</i> , 2002, 25, 1205-1209.	1.7	123
170	Within-population spatial genetic structure, neighbourhood size and clonal subrange in the seagrass <i>Cymodocea nodosa</i> . <i>Molecular Ecology</i> , 2005, 14, 2669-2681.	2.0	123
171	Sedimentation of organic matter from fish farms in oligotrophic Mediterranean assessed through bulk and stable isotope ($\delta^{13}C$ and $\delta^{15}N$) analyses. <i>Aquaculture</i> , 2007, 262, 268-280.	1.7	123
172	Toward a Coordinated Global Observing System for Seagrasses and Marine Macroalgae. <i>Frontiers in Marine Science</i> , 2019, 6, .	1.2	123
173	Growth plasticity in <i>Cymodocea nodosa</i> stands: the importance of nutrient supply. <i>Aquatic Botany</i> , 1994, 47, 249-264.	0.8	121
174	Sediment deposition and production in SE-Asia seagrass meadows. <i>Estuarine, Coastal and Shelf Science</i> , 2003, 56, 909-919.	0.9	121
175	Quantitative approaches in climate change ecology. <i>Global Change Biology</i> , 2011, 17, 3697-3713.	4.2	121
176	Reviews and syntheses: ^{210}Pb -derived sediment and carbon accumulation rates in vegetated coastal ecosystems â€” setting the record straight. <i>Biogeosciences</i> , 2018, 15, 6791-6818.	1.3	121
177	Patterns in Biomass and Cover of Aquatic Macrophytes in Lakes. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 1986, 43, 1900-1908.	0.7	120
178	Dissolved Organic Carbon Support of Respiration in the Dark Ocean. <i>Science</i> , 2002, 298, 1967-1967.	6.0	120
179	Response of seagrass indicators to shifts in environmental stressors: A global review and management synthesis. <i>Ecological Indicators</i> , 2016, 63, 310-323.	2.6	120
180	What lies underneath: Conserving the oceansâ€™ genetic resources. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 18318-18324.	3.3	119

#	ARTICLE	IF	CITATIONS
181	Integrating within-species variation in thermal physiology into climate change ecology. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2019, 374, 20180550.	1.8	118
182	Organic carbon sources to SE Asian coastal sediments. <i>Estuarine, Coastal and Shelf Science</i> , 2004, 60, 59-68.	0.9	117
183	Abrupt climate change in the Arctic. <i>Nature Climate Change</i> , 2012, 2, 60-62.	8.1	117
184	Gelatinous zooplankton biomass in the global oceans: geographic variation and environmental drivers. <i>Global Ecology and Biogeography</i> , 2014, 23, 701-714.	2.7	116
185	High atmosphere-ocean exchange of semivolatile aromatic hydrocarbons. <i>Nature Geoscience</i> , 2016, 9, 438-442.	5.4	116
186	Impacts of hypoxic events surpass those of future ocean warming and acidification. <i>Nature Ecology and Evolution</i> , 2021, 5, 311-321.	3.4	116
187	Phosphorus limitation of <i>Cymodocea nodosa</i> growth. <i>Marine Biology</i> , 1991, 109, 129-133.	0.7	113
188	The Dependence of Herbivory on Growth Rate in Natural Plant Communities. <i>Functional Ecology</i> , 1994, 8, 518.	1.7	113
189	Sulfide exposure accelerates hypoxia-driven mortality. <i>Limnology and Oceanography</i> , 2010, 55, 1075-1082.	1.6	113
190	Connecting the Dots: Responses of Coastal Ecosystems to Changing Nutrient Concentrations. <i>Environmental Science & Technology</i> , 2011, 45, 9122-9132.	4.6	113
191	Particle-association lifestyle is a phylogenetically conserved trait in bathypelagic prokaryotes. <i>Molecular Ecology</i> , 2015, 24, 5692-5706.	2.0	113
192	Unveiling the role and life strategies of viruses from the surface to the dark ocean. <i>Science Advances</i> , 2017, 3, e1602565.	4.7	113
193	Drivers of pH Variability in Coastal Ecosystems. <i>Environmental Science & Technology</i> , 2019, 53, 4020-4029.	4.6	113
194	Food supply confers calcifiers resistance to ocean acidification. <i>Scientific Reports</i> , 2016, 6, 19374.	1.6	112
195	Carbon sequestration by Australian tidal marshes. <i>Scientific Reports</i> , 2017, 7, 44071.	1.6	112
196	Age and growth of the fan mussel <i>Pinna nobilis</i> from south-east Spanish Mediterranean seagrass (<i>Posidonia oceanica</i>) beds. <i>Marine Biology</i> , 2010, 152, 107-110.	0.7	110
197	Diversity of European seagrass indicators: patterns within and across regions. <i>Hydrobiologia</i> , 2013, 704, 265-278.	1.0	110
198	The Mediterranean climate as a template for Mediterranean marine ecosystems: the example of the northeast Spanish littoral. <i>Progress in Oceanography</i> , 1999, 44, 245-270.	1.5	108

#	ARTICLE	IF	CITATIONS
199	Organic carbon metabolism and carbonate dynamics in a Mediterranean seagrass (<i>Posidonia oceanica</i>), meadow. <i>Estuaries and Coasts</i> , 2006, 29, 417-426.	1.0	108
200	Global change and the future ocean: a grand challenge for marine sciences. <i>Frontiers in Marine Science</i> , 2014, 1, .	1.2	108
201	Linking human well-being and jellyfish: ecosystem services, impacts, and societal responses. <i>Frontiers in Ecology and the Environment</i> , 2014, 12, 515-523.	1.9	108
202	Deep ocean metagenomes provide insight into the metabolic architecture of bathypelagic microbial communities. <i>Communications Biology</i> , 2021, 4, 604.	2.0	107
203	Ecosystem impacts of hypoxia: thresholds of hypoxia and pathways to recovery. <i>Environmental Research Letters</i> , 2011, 6, 025003.	2.2	106
204	Effectiveness of protection of seagrass (<i>Posidonia oceanica</i>) populations in Cabrera National Park (Spain). <i>Environmental Conservation</i> , 2002, 29, 509-518.	0.7	105
205	Genetic differentiation and secondary contact zone in the seagrass <i>Cymodocea nodosa</i> across the Mediterranean-Atlantic transition region. <i>Journal of Biogeography</i> , 2008, 35, 1279-1294.	1.4	105
206	Biological mechanisms supporting adaptation to ocean acidification in coastal ecosystems. <i>Estuarine, Coastal and Shelf Science</i> , 2015, 152, A1-A8.	0.9	105
207	Role of carbonate burial in Blue Carbon budgets. <i>Nature Communications</i> , 2019, 10, 1106.	5.8	105
208	Seagrass meadows as a globally significant carbonate reservoir. <i>Biogeosciences</i> , 2015, 12, 4993-5003.	1.3	104
209	Collaborative Database to Track Mass Mortality Events in the Mediterranean Sea. <i>Frontiers in Marine Science</i> , 2019, 6, .	1.2	104
210	Impacts of milkfish (<i>Chanos chanos</i>) aquaculture on carbon and nutrient fluxes in the Bolinao area, Philippines. <i>Marine Pollution Bulletin</i> , 2002, 44, 685-696.	2.3	103
211	Convergence of marine megafauna movement patterns in coastal and open oceans. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 3072-3077.	3.3	103
212	Losses of salt marsh in China: Trends, threats and management. <i>Estuarine, Coastal and Shelf Science</i> , 2018, 214, 98-109.	0.9	103
213	Large-scale variability in surface bacterial carbon demand and growth efficiency in the subtropical northeast Atlantic Ocean. <i>Limnology and Oceanography</i> , 2007, 52, 533-546.	1.6	102
214	Large-scale ocean connectivity and planktonic body size. <i>Nature Communications</i> , 2018, 9, 142.	5.8	102
215	Genetic structure in the Mediterranean seagrass <i>Posidonia oceanica</i> : disentangling past vicariance events from contemporary patterns of gene flow. <i>Molecular Ecology</i> , 2010, 19, 557-568.	2.0	101
216	Global abundance of planktonic heterotrophic protists in the deep ocean. <i>ISME Journal</i> , 2015, 9, 782-792.	4.4	101

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217	Spatial and temporal variations in nutrient limitation of seagrass <i>Posidonia oceanica</i> growth in the NW Mediterranean. <i>Marine Ecology - Progress Series</i> , 1997, 146, 155-161.	0.9	101
218	Addressing calcium carbonate cycling in blue carbon accounting. <i>Limnology and Oceanography Letters</i> , 2017, 2, 195-201.	1.6	100
219	Patterns in the Submerged Macrophyte Biomass of Lakes and the Importance of the Scale of Analysis in the Interpretation. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 1990, 47, 357-363.	0.7	99
220	The influence of herbivores on <i>Posidonia oceanica</i> epiphytes. <i>Aquatic Botany</i> , 1997, 56, 93-104.	0.8	99
221	Air-sea CO ₂ fluxes along the coast of Chile: From CO ₂ outgassing in central northern upwelling waters to CO ₂ uptake in southern Patagonian fjords. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	98
222	Biogeochemical conditions in sediments enriched by organic matter from net-pen fish farms in the Bolinao area, Philippines. <i>Marine Pollution Bulletin</i> , 2003, 46, 1470-1479.	2.3	97
223	Community metabolism and carbon budget along a gradient of seagrass (<i>Cymodocea nodosa</i>) colonization. <i>Limnology and Oceanography</i> , 2004, 49, 1642-1651.	1.6	97
224	Dissolved organic nitrogen and phosphorus pools and fluxes in the central Atlantic Ocean. <i>Limnology and Oceanography</i> , 1999, 44, 106-115.	1.6	96
225	Seagrass ecology at the turn of the millennium: challenges for the new century. <i>Aquatic Botany</i> , 1999, 65, 7-20.	0.8	96
226	Global COVID-19 lockdown highlights humans as both threats and custodians of the environment. <i>Biological Conservation</i> , 2021, 263, 109175.	1.9	96
227	Adhesion to coral surface as a potential sink for marine microplastics. <i>Environmental Pollution</i> , 2019, 255, 113281.	3.7	95
228	Evidence for a heterotrophic subtropical northeast Atlantic. <i>Limnology and Oceanography</i> , 2001, 46, 425-428.	1.6	94
229	Large CO ₂ disequilibria in tropical lakes. <i>Global Biogeochemical Cycles</i> , 2009, 23, .	1.9	94
230	Submerged macrophyte seed bank in a Mediterranean temporary marsh: abundance and relationship with established vegetation. <i>Oecologia</i> , 1993, 94, 1-6.	0.9	93
231	Plant Growth-Rate Dependence of Detrital Carbon Storage in Ecosystems. <i>Science</i> , 1995, 268, 1606-1608.	6.0	93
232	The relationship between seagrass (<i>Posidonia oceanica</i>) decline and sulfide porewater concentration in carbonate sediments. <i>Estuarine, Coastal and Shelf Science</i> , 2007, 73, 583-588.	0.9	93
233	Biogeography Revisited with Network Theory: Retracing the History of Hydrothermal Vent Communities. <i>Systematic Biology</i> , 2012, 61, 127.	2.7	93
234	Dissolved organic carbon pools and export from the coastal ocean. <i>Global Biogeochemical Cycles</i> , 2015, 29, 1725-1738.	1.9	93

#	ARTICLE	IF	CITATIONS
235	Patterns in species richness, size, and latitudinal range of East Atlantic fishes. <i>Ecography</i> , 1994, 17, 242-248.	2.1	92
236	Effects of seagrasses and algae of the <i>Caulerpa</i> family on hydrodynamics and particle-trapping rates. <i>Marine Biology</i> , 2010, 157, 473-481.	0.7	92
237	Can mud (silt and clay) concentration be used to predict soil organic carbon content within seagrass ecosystems?. <i>Biogeosciences</i> , 2016, 13, 4915-4926.	1.3	92
238	Magnitude and fate of the production of four co-occurring Western Mediterranean seagrass species. <i>Marine Ecology - Progress Series</i> , 1997, 155, 29-44.	0.9	92
239	Broad-scale comparison of photosynthetic rates across phototrophic organisms. <i>Oecologia</i> , 1996, 108, 197-206.	0.9	91
240	Whole-system metabolism and CO ₂ fluxes in a Mediterranean Bay dominated by seagrass beds (Palma Bay, NW Mediterranean). <i>Biogeosciences</i> , 2005, 2, 43-60.	1.3	91
241	Tipping Elements in the Arctic Marine Ecosystem. <i>Ambio</i> , 2012, 41, 44-55.	2.8	91
242	Allometric laws and prediction in estuarine and coastal ecology. <i>Estuaries and Coasts</i> , 2006, 29, 340-344.	1.0	90
243	Larval abundance, recruitment and early mortality in <i>Paracentrotus lividus</i> (Echinoidea). Interannual variability and plankton-benthos coupling. <i>Marine Ecology - Progress Series</i> , 1998, 172, 239-251.	0.9	90
244	Biogeneration of chromophoric dissolved organic matter by bacteria and krill in the Southern Ocean. <i>Limnology and Oceanography</i> , 2009, 54, 1941-1950.	1.6	88
245	Decoupled effects (positive to negative) of nutrient enrichment on ecosystem services. , 2011, 21, 991-1009.		88
246	Low Carbon sink capacity of Red Sea mangroves. <i>Scientific Reports</i> , 2017, 7, 9700.	1.6	87
247	Light Harvesting Among Photosynthetic Organisms. <i>Functional Ecology</i> , 1994, 8, 273.	1.7	86
248	Interannual changes in seagrass (<i>Posidonia oceanica</i>) growth and environmental change in the Spanish Mediterranean littoral zone. <i>Limnology and Oceanography</i> , 1997, 42, 800-810.	1.6	86
249	The importance of sample size in marine megafauna tagging studies. <i>Ecological Applications</i> , 2019, 29, e01947.	1.8	86
250	Net ecosystem metabolism in a micro-tidal estuary (Randers Fjord, Denmark): evaluation of methods. <i>Marine Ecology - Progress Series</i> , 2005, 301, 23-41.	0.9	86
251	Experimental test of bacteria-phytoplankton coupling in the Southern Ocean. <i>Limnology and Oceanography</i> , 2005, 50, 1844-1854.	1.6	85
252	Direct evidence of imbalanced seagrass (<i>Posidonia oceanica</i>) shoot population dynamics in the Spanish Mediterranean. <i>Estuaries and Coasts</i> , 2005, 28, 53-62.	1.7	85

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253	The impact of ice melting on bacterioplankton in the Arctic Ocean. <i>Polar Biology</i> , 2010, 33, 1683-1694.	0.5	85
254	Impact of elevated <sc>UVB</sc> radiation on marine biota: a meta-analysis. <i>Global Ecology and Biogeography</i> , 2013, 22, 131-144.	2.7	85
255	Evidence of iron deficiency in seagrasses growing above carbonate sediments. <i>Limnology and Oceanography</i> , 1995, 40, 1153-1158.	1.6	84
256	Recolonization dynamics in a mixed seagrass meadow: The role of clonal versus sexual processes. <i>Estuaries and Coasts</i> , 2004, 27, 770-780.	1.7	84
257	Impact of mooring activities on carbon stocks in seagrass meadows. <i>Scientific Reports</i> , 2016, 6, 23193.	1.6	84
258	Wearable multifunctional printed graphene sensors. <i>Npj Flexible Electronics</i> , 2019, 3, .	5.1	84
259	Alkaline phosphatase activities in the central Atlantic Ocean indicate large areas with phosphorus deficiency. <i>Marine Ecology - Progress Series</i> , 2003, 262, 43-53.	0.9	84
260	Nonlinear processes in seagrass colonisation explained by simple clonal growth rules. <i>Oikos</i> , 2005, 108, 165-175.	1.2	82
261	Warming Amplifies the Frequency of Harmful Algal Blooms with Eutrophication in Chinese Coastal Waters. <i>Environmental Science & Technology</i> , 2019, 53, 13031-13041.	4.6	82
262	Aerosol inputs enhance new production in the subtropical northeast Atlantic. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	81
263	Testing the predictive power of seagrass depth limit models. <i>Estuaries and Coasts</i> , 2007, 30, 652-656.	1.0	80
264	Marked changes in diversity and relative activity of picoeukaryotes with depth in the world ocean. <i>ISME Journal</i> , 2020, 14, 437-449.	4.4	80
265	Dissolved organic matter release in a <i>Posidonia oceanica</i> meadow. <i>Marine Ecology - Progress Series</i> , 2009, 374, 75-84.	0.9	80
266	Detrital stocks and dynamics of the seagrass <i>Posidonia oceanica</i> (L.) Delile in the Spanish Mediterranean. <i>Aquatic Botany</i> , 2001, 70, 295-309.	0.8	79
267	Stir bar sorptive extraction-thermal desorption-gas chromatography-mass spectrometry: An effective tool for determining persistent organic pollutants and nonylphenol in coastal waters in compliance with existing Directives. <i>Marine Pollution Bulletin</i> , 2010, 60, 103-112.	2.3	79
268	Light penetration structures the deep acoustic scattering layers in the global ocean. <i>Science Advances</i> , 2017, 3, e1602468.	4.7	79
269	Dynamics of a landscape mosaic: size and age distributions, growth and demography of seagrass <i>Cymodocea nodosa</i> patches. <i>Marine Ecology - Progress Series</i> , 1997, 158, 131-138.	0.9	77
270	Light absorption by marine macrophytes. <i>Oecologia</i> , 1994, 98, 121-129.	0.9	76

#	ARTICLE	IF	CITATIONS
271	Patterns of seagrass (<i>Posidonia oceanica</i>) flowering in the Western Mediterranean. <i>Marine Biology</i> , 2006, 148, 723-742.	0.7	76
272	Resolving the abundance and air-sea fluxes of airborne microorganisms in the North Atlantic Ocean. <i>Frontiers in Microbiology</i> , 2014, 5, 557.	1.5	76
273	Effect of nutrient supply on the biomass structure of planktonic communities: an experimental test on a Mediterranean coastal community. <i>Marine Ecology - Progress Series</i> , 2000, 206, 87-95.	0.9	76
274	Physical Ecosystem Engineers and the Functioning of Estuaries and Coasts. , 2011, , 53-81.		75
275	Microplastic removal by Red Sea giant clam (<i>Tridacna maxima</i>). <i>Environmental Pollution</i> , 2019, 252, 1257-1266.	3.7	75
276	Fingerprinting Blue Carbon: Rationale and Tools to Determine the Source of Organic Carbon in Marine Depositional Environments. <i>Frontiers in Marine Science</i> , 2019, 6, .	1.2	75
277	Global estimates of the extent and production of macroalgal forests. <i>Global Ecology and Biogeography</i> , 2022, 31, 1422-1439.	2.7	75
278	The effect of nutrient additions on bacterial activity in seagrass (<i>Posidonia oceanica</i>) sediments. <i>Journal of Experimental Marine Biology and Ecology</i> , 1998, 224, 155-166.	0.7	74
279	Seagrass (<i>Posidonia oceanica</i>) vertical growth as an early indicator of fish farm-derived stress. <i>Estuarine, Coastal and Shelf Science</i> , 2006, 67, 475-483.	0.9	74
280	Key biogeochemical factors affecting soil carbon storage in <i>Posidonia oceanica</i> meadows. <i>Biogeosciences</i> , 2016, 13, 4581-4594.	1.3	74
281	Jellyfish Body Plans Provide Allometric Advantages beyond Low Carbon Content. <i>PLoS ONE</i> , 2013, 8, e72683.	1.1	74
282	Herbivory on <i>Posidonia oceanica</i> : magnitude and variability in the Spanish Mediterranean. <i>Marine Ecology - Progress Series</i> , 1996, 130, 147-155.	0.9	74
283	Deterioration of Sediment Quality in Seagrass Meadows (<i>Posidonia oceanica</i>) Invaded by Macroalgae (<i>Caulerpa</i> sp.). <i>Estuaries and Coasts</i> , 2009, 32, 456-466.	1.0	73
284	Decadal stability of Red Sea mangroves. <i>Estuarine, Coastal and Shelf Science</i> , 2016, 169, 164-172.	0.9	73
285	Current state of seagrass ecosystem services: Research and policy integration. <i>Ocean and Coastal Management</i> , 2017, 149, 107-115.	2.0	73
286	Spectrum of genetic diversity and networks of clonal organisms. <i>Journal of the Royal Society Interface</i> , 2007, 4, 1093-1102.	1.5	72
287	Dynamics of ciliate abundance, biomass and community composition in an oligotrophic coastal environment (NW Mediterranean). <i>Aquatic Microbial Ecology</i> , 1997, 12, 71-83.	0.9	72
288	B vitamins as regulators of phytoplankton dynamics. <i>Eos</i> , 2006, 87, 593.	0.1	71

#	ARTICLE	IF	CITATIONS
289	Impacts of metals and nutrients released from melting multiyear Arctic sea ice. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	71
290	Species composition and plant performance of mixed seagrass beds along a siltation gradient at Cape Bolinao, The Philippines. <i>Marine Ecology - Progress Series</i> , 1998, 174, 247-256.	0.9	71
291	Epiphyte Accrual on <i>Posidonia oceanica</i> (L.) Delile Leaves: Implications for Light Absorption. <i>Botanica Marina</i> , 1999, 42, .	0.6	70
292	The role of arctic zooplankton in biogeochemical cycles: respiration and excretion of ammonia and phosphate during summer. <i>Polar Biology</i> , 2010, 33, 1719-1731.	0.5	70
293	A metagenomic assessment of microbial eukaryotic diversity in the global ocean. <i>Molecular Ecology Resources</i> , 2020, 20, 718-731.	2.2	70
294	Respiration in coastal benthic communities. , 2005, , 206-224.		69
295	Taxonomic study of <i>Marinomonas</i> strains isolated from the seagrass <i>Posidonia oceanica</i> , with descriptions of <i>Marinomonas balearica</i> sp. nov. and <i>Marinomonas pollencensis</i> sp. nov.. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2010, 60, 93-98.	0.8	68
296	Assessing the CO_2 capture potential of seagrass restoration projects. <i>Journal of Applied Ecology</i> , 2013, 50, 1341-1349.	1.9	68
297	Golden carbon of Sargassum forests revealed as an opportunity for climate change mitigation. <i>Science of the Total Environment</i> , 2020, 729, 138745.	3.9	68
298	Clonality in seagrasses, emergent properties and seagrass landscapes. <i>Marine Ecology - Progress Series</i> , 2005, 290, 291-296.	0.9	68
299	Automatic determination of copper by in-syringe dispersive liquid-liquid microextraction of its bathocuproine-complex using long path-length spectrophotometric detection. <i>Talanta</i> , 2012, 99, 349-356.	2.9	67
300	Mediterranean Seagrass Growth and Demography Responses to Experimental Warming. <i>Estuaries and Coasts</i> , 2012, 35, 1205-1213.	1.0	67
301	Effect of environmental factors (wave exposure and depth) and anthropogenic pressure in the C sink capacity of <i>Posidonia oceanica</i> meadows. <i>Limnology and Oceanography</i> , 2017, 62, 1436-1450.	1.6	66
302	Gelatinous Zooplankton-Mediated Carbon Flows in the Global Oceans: A Data-Driven Modeling Study. <i>Global Biogeochemical Cycles</i> , 2020, 34, e2020GB006704.	1.9	66
303	Fate and Effects of Macro- and Microplastics in Coastal Wetlands. <i>Environmental Science & Technology</i> , 2022, 56, 2386-2397.	4.6	66
304	Migration of large-scale subaqueous bedforms measured with seagrasses (<i>Cymodocea nodosa</i>) as tracers. <i>Limnology and Oceanography</i> , 1994, 39, 126-133.	1.6	65
305	Strong seasonality in phytoplankton cell lysis in the NW Mediterranean littoral. <i>Limnology and Oceanography</i> , 2000, 45, 940-947.	1.6	65
306	Active mesopelagic prokaryotes support high respiration in the subtropical northeast Atlantic Ocean. <i>Geophysical Research Letters</i> , 2005, 32, .	1.5	65

#	ARTICLE	IF	CITATIONS
307	Marine Biodiversity and Gene Patents. <i>Science</i> , 2011, 331, 1521-1522.	6.0	65
308	Temperature dependence of CO ₂ -enhanced primary production in the European Arctic Ocean. <i>Nature Climate Change</i> , 2015, 5, 1079-1082.	8.1	65
309	Overhauling Ocean Spatial Planning to Improve Marine Megafauna Conservation. <i>Frontiers in Marine Science</i> , 2019, 6, .	1.2	65
310	Response of a Mediterranean phytoplankton community to increased nutrient inputs: a mesocosm experiment. <i>Marine Ecology - Progress Series</i> , 2000, 195, 61-70.	0.9	64
311	Algal cell size and the maximum density and biomass of phytoplankton. <i>Limnology and Oceanography</i> , 1987, 32, 983-986.	1.6	63
312	Nitrate uptake and diffusive nitrate supply in the Central Atlantic. <i>Limnology and Oceanography</i> , 1999, 44, 116-126.	1.6	63
313	Coastal eutrophication research: a new awareness. <i>Hydrobiologia</i> , 2009, 629, 263-269.	1.0	63
314	Comparing marine primary production estimates through different methods and development of conversion equations. <i>Frontiers in Marine Science</i> , 2014, 1, .	1.2	63
315	Long photoperiods sustain high pH in Arctic kelp forests. <i>Science Advances</i> , 2016, 2, e1501938.	4.7	63
316	Imprint of Climate Change on Pan-Arctic Marine Vegetation. <i>Frontiers in Marine Science</i> , 2020, 7, .	1.2	63
317	Invasion Is a Community Affair: Clandestine Followers in the Bacterial Community Associated to Green Algae, <i>Caulerpa racemosa</i> , Track the Invasion Source. <i>PLoS ONE</i> , 2013, 8, e68429.	1.1	63
318	Effects of ultraviolet B radiation on (not so) transparent exopolymer particles. <i>Biogeosciences</i> , 2009, 6, 3071-3080.	1.3	62
319	Uncertainty of detecting sea change. <i>Nature</i> , 1992, 356, 190-190.	13.7	61
320	Krill as a central node for iron cycling in the Southern Ocean. <i>Geophysical Research Letters</i> , 2005, 32, .	1.5	61
321	Seaweed farms provide refugia from ocean acidification. <i>Science of the Total Environment</i> , 2021, 776, 145192.	3.9	61
322	Flowering of <i>Thalassia testudinum</i> banks ex Ånig in the Mexican Caribbean: age-dependence and interannual variability. <i>Aquatic Botany</i> , 1992, 43, 249-255.	0.8	60
323	Food-web structure and elemental (C, N and P) fluxes in the eastern tropical North Atlantic. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2001, 48, 2295-2321.	0.6	60
324	Oxygen and carbon stable isotopic profiles of the fan mussel, <i>Pinna nobilis</i> , and reconstruction of sea surface temperatures in the Mediterranean. <i>Marine Biology</i> , 2001, 139, 1115-1124.	0.7	60

#	ARTICLE	IF	CITATIONS
325	Benthic primary producersâ€“a neglected environmental problem in Mediterranean maricultures?. Marine Pollution Bulletin, 2003, 46, 1372-1376.	2.3	60
326	Submerged versus air-exposed intertidal macrophyte productivity: from physiological to community-level assessments. Journal of Experimental Marine Biology and Ecology, 2005, 317, 87-95.	0.7	60
327	High atmosphere-ocean exchange of organic carbon in the NE subtropical Atlantic. Geophysical Research Letters, 2005, 32, .	1.5	60
328	GENOMIC DNA ISOLATION FROM GREEN AND BROWN ALGAE (CAULERPALES AND FUCALES) FOR MICROSATELLITE LIBRARY CONSTRUCTION1. Journal of Phycology, 2006, 42, 741-745.	1.0	60
329	High Metabolic Rates in Beach Cast Communities. Ecosystems, 2007, 10, 1341-1350.	1.6	60
330	Benthic input rates predict seagrass (<i>Posidonia oceanica</i>) fish farm-induced decline. Marine Pollution Bulletin, 2008, 56, 1332-1342.	2.3	60
331	Effect of ice melting on bacterial carbon fluxes channelled by viruses and protists in the Arctic Ocean. Polar Biology, 2010, 33, 1695-1707.	0.5	60
332	Climate change and marine life. Biology Letters, 2012, 8, 907-909.	1.0	60
333	Phytoplankton lysis predicts dissolved organic carbon release in marine plankton communities. Biogeosciences, 2013, 10, 1259-1264.	1.3	60
334	No Evidence for Temperature-Dependence of the COVID-19 Epidemic. Frontiers in Public Health, 2020, 8, 436.	1.3	60
335	Opportunities for blue carbon strategies in China. Ocean and Coastal Management, 2020, 194, 105241.	2.0	60
336	Fairy circle landscapes under the sea. Science Advances, 2017, 3, e1603262.	4.7	60
337	Seasonal dynamics of <i>Posidonia oceanica</i> in Magalluf Bay (Mallorca, Spain): Temperature effects on seagrass mortality. Limnology and Oceanography, 2009, 54, 2170-2182.	1.6	59
338	Macroalgae contribute to nested mosaics of pH variability in a subarctic fjord. Biogeosciences, 2015, 12, 4895-4911.	1.3	59
339	The Pen Shell, <i>Pinna nobilis</i> . Advances in Marine Biology, 2015, 71, 109-160.	0.7	59
340	Nutrient Limitation in Central Red Sea Mangroves. Frontiers in Marine Science, 2016, 3, .	1.2	59
341	Global Plastic Pollution Observation System to Aid Policy. Environmental Science & Technology, 2021, 55, 7770-7775.	4.6	59
342	Phytoplankton chlorophyll a distribution and water column stability in the central Atlantic Ocean. Oceanologica Acta: European Journal of Oceanology - Revue Europeene De Oceanologie, 1999, 22, 193-203.	0.7	58

#	ARTICLE	IF	CITATIONS
343	The Response of Experimental Rocky Shore Communities to Nutrient Additions. <i>Ecosystems</i> , 2003, 6, 577-594.	1.6	58
344	Spatial and temporal variation in the elemental and stable isotopic content of the seagrasses <i>Posidonia oceanica</i> and <i>Cymodocea nodosa</i> from the Illes Balears, Spain. <i>Marine Biology</i> , 2007, 151, 219-232.	0.7	58
345	Thresholds of gross primary production for the metabolic balance of marine planktonic communities. <i>Limnology and Oceanography</i> , 2009, 54, 1015-1022.	1.6	58
346	The exposure of the Great Barrier Reef to ocean acidification. <i>Nature Communications</i> , 2016, 7, 10732.	5.8	58
347	Ocean warming compresses the three-dimensional habitat of marine life. <i>Nature Ecology and Evolution</i> , 2020, 4, 109-114.	3.4	58
348	Large deep-sea zooplankton biomass mirrors primary production in the global ocean. <i>Nature Communications</i> , 2020, 11, 6048.	5.8	58
349	Passive and Active Removal of Marine Microplastics by a Mushroom Coral (<i>Danafungia scruposa</i>). <i>Frontiers in Marine Science</i> , 2020, 7, .	1.2	58
350	Microplastics in fishes of commercial and ecological importance from the Western Arabian Gulf. <i>Marine Pollution Bulletin</i> , 2020, 152, 110920.	2.3	58
351	Significance of Bacterial Activity for the Distribution and Dynamics of Transparent Exopolymer Particles in the Mediterranean Sea. <i>Microbial Ecology</i> , 2010, 59, 808-818.	1.4	57
352	Experimental evaluation of planktonic respiration response to warming in the European Arctic Sector. <i>Polar Biology</i> , 2010, 33, 1661-1671.	0.5	57
353	Biom mineralization changes with food supply confer juvenile scallops (<i>Argopecten purpuratus</i>) resistance to ocean acidification. <i>Global Change Biology</i> , 2016, 22, 2025-2037.	4.2	57
354	Spatial complexities in aboveground carbon stocks of a semi-arid mangrove community: A remote sensing height-biomass-carbon approach. <i>Estuarine, Coastal and Shelf Science</i> , 2018, 200, 194-201.	0.9	57
355	Factors Influencing the Abundance of Blue-Green Algae in Florida Lakes. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 1989, 46, 1232-1237.	0.7	56
356	The Effect of Increased Sediment Accretion on the Survival and Growth of <i>Rhizophora apiculata</i> Seedlings. <i>Estuarine, Coastal and Shelf Science</i> , 1997, 45, 697-701.	0.9	56
357	Ecosystem metabolism and carbon fluxes of a tidally-dominated coastal lagoon. <i>Estuaries and Coasts</i> , 2004, 27, 977-985.	1.7	56
358	Changes in Arctic marine bacterial carbon metabolism in response to increasing temperature. <i>Polar Biology</i> , 2010, 33, 1673-1682.	0.5	56
359	Mangrove Colonization: Mangrove Progression Over the Growing Pak Phanang (SE Thailand) Mud Flat. <i>Estuarine, Coastal and Shelf Science</i> , 1998, 47, 51-61.	0.9	55
360	Controls on planktonic metabolism in the Bay of Blanes, northwestern Mediterranean littoral. <i>Limnology and Oceanography</i> , 2004, 49, 2162-2170.	1.6	55

#	ARTICLE	IF	CITATIONS
361	Modelling formation of complex topography by the seagrass <i>Posidonia oceanica</i> . <i>Estuarine, Coastal and Shelf Science</i> , 2005, 65, 717-725.	0.9	55
362	Reconsidering Ocean Calamities. <i>BioScience</i> , 2015, 65, 130-139.	2.2	55
363	Metatranscriptomes reveal functional variation in diatom communities from the Antarctic Peninsula. <i>ISME Journal</i> , 2015, 9, 2275-2289.	4.4	55
364	Effects of seagrass <i>Thalassia testudinum</i> on sediment redox. <i>Marine Ecology - Progress Series</i> , 2001, 219, 149-158.	0.9	55
365	Uncoupled distributions of transparent exopolymer particles (TEP) and dissolved carbohydrates in the Southern Ocean. <i>Marine Chemistry</i> , 2009, 115, 59-65.	0.9	54
366	Flawed citation practices facilitate the unsubstantiated perception of a global trend toward increased jellyfish blooms. <i>Global Ecology and Biogeography</i> , 2016, 25, 1039-1049.	2.7	54
367	The Potential for Ocean-Based Climate Action: Negative Emissions Technologies and Beyond. <i>Frontiers in Climate</i> , 2021, 2, .	1.3	54
368	Bacterial activity in NW Mediterranean seagrass (<i>Posidonia oceanica</i>) sediments. <i>Journal of Experimental Marine Biology and Ecology</i> , 1995, 187, 39-49.	0.7	53
369	Leaf growth response to simulated herbivory: a comparison among seagrass species. <i>Journal of Experimental Marine Biology and Ecology</i> , 1998, 220, 67-81.	0.7	53
370	Temporal changes in the abundance, leaf growth and photosynthesis of three co-occurring Philippine seagrasses. <i>Journal of Experimental Marine Biology and Ecology</i> , 2001, 260, 217-239.	0.7	53
371	Experimental evaluation of the effects of siltation-derived changes in sediment conditions on the Philippine seagrass <i>Cymodocea rotundata</i> . <i>Journal of Experimental Marine Biology and Ecology</i> , 2002, 279, 73-87.	0.7	53
372	Mesopelagic prokaryotic bulk and single-cell heterotrophic activity and community composition in the NW Africa–Canary Islands coastal-transition zone. <i>Progress in Oceanography</i> , 2009, 83, 189-196.	1.5	53
373	Submarine Groundwater Discharge to the Coastal Environment of a Mediterranean Island (Majorca, I) $T_j ETQq1 1 0.784314 \text{ rgBT} / \text{Over}$ 1.6 53		
374	Endophytic bacterial community of a Mediterranean marine angiosperm (<i>Posidonia oceanica</i>). <i>Frontiers in Microbiology</i> , 2012, 3, 342.	1.5	53
375	Nitrogen-fixing bacteria in Mediterranean seagrass (<i>Posidonia oceanica</i>) roots. <i>Aquatic Botany</i> , 2016, 131, 57-60.	0.8	53
376	Experimental evaluation of the warming effect on viral, bacterial and protistan communities in two contrasting Arctic systems. <i>Aquatic Microbial Ecology</i> , 2013, 70, 17-32.	0.9	53
377	Genetic diversity of a clonal angiosperm near its range limit: the case of <i>Cymodocea nodosa</i> at the Canary Islands. <i>Marine Ecology - Progress Series</i> , 2006, 309, 117-129.	0.9	53
378	Biomass density and the relationship between submerged macrophyte biomass and plant growth form. <i>Hydrobiologia</i> , 1990, 196, 17-23.	1.0	52

#	ARTICLE	IF	CITATIONS
379	Sources of organic matter in seagrass-colonized sediments: A stable isotope study of the silt and clay fraction from <i>Posidonia oceanica</i> meadows in the western Mediterranean. <i>Organic Geochemistry</i> , 2005, 36, 949-961.	0.9	51
380	Comparative Analysis of Stabilityâ€”Genetic Diversity in Seagrass (<i>Posidonia oceanica</i>) Meadows Yields Unexpected Results. <i>Estuaries and Coasts</i> , 2010, 33, 878-889.	1.0	51
381	Large-Scale Prediction of Seagrass Distribution Integrating Landscape Metrics and Environmental Factors: The Case of <i>Cymodocea nodosa</i> (Mediterraneanâ€”Atlantic). <i>Estuaries and Coasts</i> , 2016, 39, 123-137.	1.0	51
382	Contribution of Seagrass Blue Carbon Toward Carbon Neutral Policies in a Touristic and Environmentally-Friendly Island. <i>Frontiers in Marine Science</i> , 2020, 7, .	1.2	51
383	Stocks and losses of soil organic carbon from Chinese vegetated coastal habitats. <i>Global Change Biology</i> , 2021, 27, 202-214.	4.2	51
384	Control of air-sea CO ₂ disequilibria in the subtropical NE Atlantic by planktonic metabolism under the ocean skin. <i>Geophysical Research Letters</i> , 2005, 32, .	1.5	50
385	Compliant lightweight non-invasive standalone â€œMarine Skinâ€”tagging system. <i>Npj Flexible Electronics</i> , 2018, 2, .	5.1	50
386	Sulfide invasion in the seagrass <i>Posidonia oceanica</i> at Mediterranean fish farms: assessment using stable sulfur isotopes. <i>Marine Ecology - Progress Series</i> , 2007, 345, 93-104.	0.9	50
387	Residence time and <i>Posidonia oceanica</i> in Cabrera Archipelago National Park, Spain. <i>Continental Shelf Research</i> , 2005, 25, 1339-1352.	0.9	49
388	Effects of dust deposition and river discharges on trace metal composition of <i>Trichodesmium</i> spp. in the tropical and subtropical North Atlantic Ocean. <i>Limnology and Oceanography</i> , 2006, 51, 1755-1761.	1.6	49
389	Fully-Automated Fluorimetric Determination of Aluminum in Seawater by In-Syringe Dispersive Liquidâ€”Liquid Microextraction Using Lumogallion. <i>Analytical Chemistry</i> , 2012, 84, 9462-9469.	3.2	49
390	Claims That Anthropogenic Stressors Facilitate Jellyfish Blooms Have Been Amplified Beyond the Available Evidence: A Systematic Review. <i>Frontiers in Marine Science</i> , 2018, 5, .	1.2	49
391	Oxygen supersaturation protects coastal marine fauna from ocean warming. <i>Science Advances</i> , 2019, 5, eaax1814.	4.7	49
392	Noninvasive Featherlight Wearable Compliant â€œMarine Skinâ€” Standalone Multisensory System for Deepâ€”Sea Environmental Monitoring. <i>Small</i> , 2019, 15, e1804385.	5.2	49
393	Marine ecology warms up to theory. <i>Trends in Ecology and Evolution</i> , 2007, 22, 331-333.	4.2	48
394	Rainfall leads to increased <i>CO<sub<2</sub</i> in Brazilian coastal lakes. <i>Biogeosciences</i> , 2010, 7, 1607-1614.	1.3	48
395	Temperature regulation of marine heterotrophic prokaryotes increases latitudinally as a breach between bottomâ€”up and topâ€”down controls. <i>Global Change Biology</i> , 2017, 23, 3956-3964.	4.2	48
396	Accumulation of Carbonates Contributes to Coastal Vegetated Ecosystems Keeping Pace With Sea Level Rise in an Arid Region (Arabian Peninsula). <i>Journal of Geophysical Research G: Biogeosciences</i> , 2018, 123, 1498-1510.	1.3	48

#	ARTICLE	IF	CITATIONS
397	Organic carbon sequestration and storage in vegetated coastal habitats along the western coast of the Arabian Gulf. <i>Environmental Research Letters</i> , 2018, 13, 074007.	2.2	48
398	Seagrass losses since mid-20th century fuelled CO ₂ emissions from soil carbon stocks. <i>Global Change Biology</i> , 2020, 26, 4772-4784.	4.2	48
399	HMD-ARG: hierarchical multi-task deep learning for annotating antibiotic resistance genes. <i>Microbiome</i> , 2021, 9, 40.	4.9	48
400	Governing for Transformative Change across the Biodiversity-Climate-Society Nexus. <i>BioScience</i> , 2022, 72, 684-704.	2.2	48
401	Seasonality and depth zonation of intertidal <i>Halophila ovalis</i> and <i>Zostera japonica</i> in Ha Long Bay (northern Vietnam). <i>Aquatic Botany</i> , 2003, 75, 147-157.	0.8	47
402	Iron Additions Reduce Sulfate Reduction Rates and Improve Seagrass Growth on Organic-Enriched Carbonate Sediments. <i>Ecosystems</i> , 2005, 8, 721-730.	1.6	47
403	Feed-backs between genetic structure and perturbation-driven decline in seagrass (<i>Posidonia</i>) Tj ETQq1 1 0.784314 rgBT / Overlock 10 T	0.8	47
404	Global unbalance in seaweed production, research effort and biotechnology markets. <i>Biotechnology Advances</i> , 2014, 32, 1028-1036.	6.0	47
405	Response of Mediterranean <i>Synechococcus</i> growth and loss rates to experimental nutrient inputs. <i>Marine Ecology - Progress Series</i> , 2000, 206, 97-106.	0.9	47
406	Latitudinal influences on the Depths of Maximum Colonization and Maximum Biomass of Submerged Angiosperms in Lakes. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 1987, 44, 1759-1764.	0.7	46
407	An upper limit to the abundance of aquatic organisms. <i>Oecologia</i> , 1987, 74, 272-276.	0.9	46
408	Vertical growth of <i>Thalassia testudinum</i> : seasonal and interannual variability. <i>Aquatic Botany</i> , 1994, 47, 1-11.	0.8	46
409	A comparative study of responses in plankton food web structure and function in contrasting European coastal waters exposed to experimental nutrient addition. <i>Limnology and Oceanography</i> , 2006, 51, 488-503.	1.6	46
410	Distribution and photoreactivity of chromophoric dissolved organic matter in the Antarctic Peninsula (Southern Ocean). <i>Marine Chemistry</i> , 2010, 118, 129-139.	0.9	46
411	Respiration in the mesopelagic and bathypelagic zones of the oceans. , 2005, , 181-205.		46
412	Colonization success of common Thai mangrove species as a function of shelter from water movement. <i>Marine Ecology - Progress Series</i> , 2002, 237, 111-120.	0.9	46
413	Abundance, biomass and growth rates of <i>Synechococcus</i> sp. in a tropical coastal ecosystem (Philippines, South China Sea). <i>Estuarine, Coastal and Shelf Science</i> , 2003, 56, 493-502.	0.9	45
414	Resource translocation within seagrass clones: allometric scaling to plant size and productivity. <i>Oecologia</i> , 2006, 150, 362-372.	0.9	45

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415	Experimentally determined temperature thresholds for Arctic plankton community metabolism. <i>Biogeosciences</i> , 2013, 10, 357-370.	1.3	45
416	Strengthening confidence in climate change impact science. <i>Global Ecology and Biogeography</i> , 2015, 24, 64-76.	2.7	45
417	Phenology and Growth dynamics of <i>Avicennia marina</i> in the Central Red Sea. <i>Scientific Reports</i> , 2016, 6, 37785.	1.6	45
418	Projected Changes in Photosynthetic Picoplankton in a Warmer Subtropical Ocean. <i>Frontiers in Marine Science</i> , 2019, 5, .	1.2	45
419	Relationship between sediment conditions and mangrove <i>Rhizophora apiculata</i> seedling growth and nutrient status. <i>Marine Ecology - Progress Series</i> , 1998, 175, 277-283.	0.9	45
420	WTO must ban harmful fisheries subsidies. <i>Science</i> , 2021, 374, 544-544.	6.0	45
421	Hydrodynamics and particle transport associated with a submarine canyon off Blanes (Spain), NW Mediterranean Sea. <i>Continental Shelf Research</i> , 1999, 19, 1249-1263.	0.9	44
422	Respiration in the dark ocean. <i>Geophysical Research Letters</i> , 2003, 30, .	1.5	44
423	Seagrass ecosystems: their global status and prospects. , 2008, , 281-294.		44
424	Interactive effect of temperature and CO ₂ increase in Arctic phytoplankton. <i>Frontiers in Marine Science</i> , 2014, 1, .	1.2	44
425	Surface distribution of dissolved trace metals in the oligotrophic ocean and their influence on phytoplankton biomass and productivity. <i>Global Biogeochemical Cycles</i> , 2015, 29, 1763-1781.	1.9	44
426	The Ecology of Human Mobility. <i>Trends in Ecology and Evolution</i> , 2017, 32, 198-210.	4.2	44
427	Viruses and Protists Induced-mortality of Prokaryotes around the Antarctic Peninsula during the Austral Summer. <i>Frontiers in Microbiology</i> , 2017, 8, 241.	1.5	44
428	Intervention Options to Accelerate Ecosystem Recovery From Coastal Eutrophication. <i>Frontiers in Marine Science</i> , 2018, 5, .	1.2	44
429	How Big Data Fast Tracked Human Mobility Research and the Lessons for Animal Movement Ecology. <i>Frontiers in Marine Science</i> , 2018, 5, .	1.2	44
430	Weight-density relationships in submerged macrophytes. <i>Oecologia</i> , 1987, 72, 612-617.	0.9	43
431	Coastal Eutrophication Research in Europe: Progress and Imbalances. <i>Marine Pollution Bulletin</i> , 1999, 38, 851-854.	2.3	43
432	Plant-microbe interactions in seagrass meadows. <i>Coastal and Estuarine Studies</i> , 2005, , 31-60.	0.4	43

#	ARTICLE	IF	CITATIONS
433	Bacterial Community Dynamics in a Seagrass (<i>Posidonia oceanica</i>) Meadow Sediment. <i>Estuaries and Coasts</i> , 2009, 32, 276-286.	1.0	43
434	<i>Marinomonas alcarazii</i> sp. nov., <i>M. rhizomae</i> sp. nov., <i>M. foliarum</i> sp. nov., <i>M. posidonica</i> sp. nov. and <i>M. aquiplantarum</i> sp. nov., isolated from the microbiota of the seagrass <i>Posidonia oceanica</i> . <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2011, 61, 2191-2196.	0.8	43
435	Entangled effects of allelic and clonal (genotypic) richness in the resistance and resilience of experimental populations of the seagrass <i>Zostera noltii</i> to diatom invasion. <i>BMC Ecology</i> , 2013, 13, 39.	3.0	43
436	Low Abundance of Plastic Fragments in the Surface Waters of the Red Sea. <i>Frontiers in Marine Science</i> , 2017, 4, .	1.2	43
437	Silicic acid limitation drives bloom termination and potential carbon sequestration in an Arctic bloom. <i>Scientific Reports</i> , 2019, 9, 8149.	1.6	43
438	Patterns in phytoplankton community structure in Florida lakes. <i>Limnology and Oceanography</i> , 1992, 37, 155-161.	1.6	42
439	Comparative functional plant ecology: rationale and potentials. <i>Trends in Ecology and Evolution</i> , 1995, 10, 418-421.	4.2	42
440	Nutrient constraints on establishment from seed and on vegetative expansion of the Mediterranean seagrass <i>Cymodocea nodosa</i> . <i>Aquatic Botany</i> , 1996, 54, 279-286.	0.8	42
441	Methods for the measurement of seagrass abundance and depth distribution. , 2001, , 141-153.		42
442	Phytoplankton trapped within seagrass (<i>Posidonia oceanica</i>) sediments are a nitrogen source: An in situ isotope labeling experiment. <i>Limnology and Oceanography</i> , 2006, 51, 1648-1653.	1.6	42
443	Patch dynamics of the Mediterranean seagrass <i>Posidonia oceanica</i> : Implications for recolonisation process. <i>Aquatic Botany</i> , 2008, 89, 397-403.	0.8	42
444	Effects of Ocean Acidification and Warming on Sperm Activity and Early Life Stages of the Mediterranean Mussel (<i>Mytilus galloprovincialis</i>). <i>Water (Switzerland)</i> , 2013, 5, 1890-1915.	1.2	42
445	Entangled fates of holobiont genomes during invasion: nested bacterial and host diversities in <i>Caulerpa taxifolia</i> . <i>Molecular Ecology</i> , 2017, 26, 2379-2391.	2.0	42
446	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.	3.9	42
447	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.	4.2	42
448	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.	3.7	42
449	Plankton metabolism and dissolved organic carbon use in the Bay of Palma, NW Mediterranean Sea. <i>Aquatic Microbial Ecology</i> , 2004, 37, 47-54.	0.9	41
450	Direct and indirect metabolic CO ₂ release by humanity. <i>Biogeosciences</i> , 2007, 4, 215-217.	1.3	41

#	ARTICLE	IF	CITATIONS
451	Dissolved organic carbon fluxes by seagrass meadows and macroalgal beds. <i>Frontiers in Marine Science</i> , 2014, 1, .	1.2	41
452	Stable Isotope ($\delta^{13}C$, $\delta^{15}N$, $\delta^{18}O$, δ^2D) Composition and Nutrient Concentration of Red Sea Primary Producers. <i>Frontiers in Marine Science</i> , 2018, 5, .	1.2	41
453	Carbon stocks and accumulation rates in Red Sea seagrass meadows. <i>Scientific Reports</i> , 2018, 8, 15037.	1.6	41
454	Light-dependent calcification in Red Sea giant clam <i>Tridacna maxima</i> . <i>Biogeosciences</i> , 2019, 16, 2635-2650.	1.3	41
455	Higher contribution of globally rare bacterial taxa reflects environmental transitions across the surface ocean. <i>Molecular Ecology</i> , 2019, 28, 1930-1945.	2.0	41
456	Habitat-forming species trap microplastics into coastal sediment sinks. <i>Science of the Total Environment</i> , 2021, 772, 145520.	3.9	41
457	Growth and sediment space occupation by seagrass <i>Cymodocea nodosa</i> roots. <i>Marine Ecology - Progress Series</i> , 2001, 224, 291-298.	0.9	41
458	Unifying the known and unknown microbial coding sequence space. <i>ELife</i> , 2022, 11, .	2.8	41
459	The determination of the age and growth of SE Asian mangrove seedlings from internodal counts. <i>Mangroves and Salt Marshes</i> , 1999, 3, 251-257.	0.6	40
460	Seasonal Dynamics of a Microtidal Pocket Beach with <i>Posidonia oceanica</i> Seabeds (Mallorca, Spain). <i>Journal of Coastal Research</i> , 2004, 204, 1155-1164.	0.1	40
461	Modeling nonlinear seagrass clonal growth: Assessing the efficiency of space occupation across the seagrass flora. <i>Estuaries and Coasts</i> , 2006, 29, 72-80.	1.0	40
462	Iron Additions Reduce Sulfide Intrusion and Reverse Seagrass (<i>Posidonia oceanica</i>) Decline in Carbonate Sediments. <i>Ecosystems</i> , 2007, 10, 745-756.	1.6	40
463	Boat anchoring impacts coastal populations of the pen shell, the largest bivalve in the Mediterranean. <i>Biological Conservation</i> , 2013, 160, 105-113.	1.9	40
464	Ten Thousand Voices on Marine Climate Change in Europe: Different Perceptions among Demographic Groups and Nationalities. <i>Frontiers in Marine Science</i> , 2017, 4, .	1.2	40
465	Introducing the Mangrove Microbiome Initiative: Identifying Microbial Research Priorities and Approaches To Better Understand, Protect, and Rehabilitate Mangrove Ecosystems. <i>MSystems</i> , 2020, 5, .	1.7	40
466	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.	1.8	40
467	Operationalizing Ocean Health: Toward Integrated Research on Ocean Health and Recovery to Achieve Ocean Sustainability. <i>One Earth</i> , 2020, 2, 557-565.	3.6	40
468	Evolutionary history of the seagrass genus <i>Posidonia</i> . <i>Marine Ecology - Progress Series</i> , 2011, 421, 117-130.	0.9	40

#	ARTICLE	IF	CITATIONS
469	Is the apical growth of <i>Cymodocea nodosa</i> dependent on clonal integration?. <i>Marine Ecology - Progress Series</i> , 1997, 158, 103-110.	0.9	40
470	Rate of changes in organic matter and nutrient stocks during seagrass <i>Cymodocea nodosa</i> colonization and stand development. <i>Marine Ecology - Progress Series</i> , 1997, 159, 29-36.	0.9	40
471	Use of Echosounder Tracings to Estimate the Aboveground Biomass of Submerged Plants in Lakes. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 1987, 44, 732-735.	0.7	39
472	A miniature and field-applicable multipumping flow analyzer for ammonium monitoring in seawater with fluorescence detection. <i>Talanta</i> , 2011, 85, 380-385.	2.9	39
473	Global warming enhances sulphide stress in a key seagrass species (NW Mediterranean). <i>Global Change Biology</i> , 2013, 19, 3629-3639.	4.2	39
474	Dynamics of carbon sources supporting burial in seagrass sediments under increasing anthropogenic pressure. <i>Limnology and Oceanography</i> , 2017, 62, 1451-1465.	1.6	39
475	Methane Production by Seagrass Ecosystems in the Red Sea. <i>Frontiers in Marine Science</i> , 2017, 4, .	1.2	39
476	Research Priorities for Achieving Healthy Marine Ecosystems and Human Communities in a Changing Climate. <i>Frontiers in Marine Science</i> , 2020, 7, .	1.2	39
477	Major imprint of surface plankton on deep ocean prokaryotic structure and activity. <i>Molecular Ecology</i> , 2020, 29, 1820-1838.	2.0	39
478	Losses of Soil Organic Carbon with Deforestation in Mangroves of Madagascar. <i>Ecosystems</i> , 2021, 24, 1-19.	1.6	39
479	A standardisation framework for bio€logging data to advance ecological research and conservation. <i>Methods in Ecology and Evolution</i> , 2021, 12, 996-1007.	2.2	39
480	Herbivory and Resulting Plant Damage. <i>Oikos</i> , 1994, 69, 545.	1.2	38
481	Herbivory on the seagrass <i>Cymodocea nodosa</i> (Ucria) Ascherson in contrasting Spanish Mediterranean habitats. <i>Journal of Experimental Marine Biology and Ecology</i> , 1996, 204, 103-111.	0.7	38
482	Scientific management of Mediterranean coastal zone: A hybrid ocean forecasting system for oil spill and search and rescue operations. <i>Marine Pollution Bulletin</i> , 2006, 53, 361-368.	2.3	38
483	The ocean genome and future prospects for conservation and equity. <i>Nature Sustainability</i> , 2020, 3, 588-596.	11.5	38
484	Nutrient limitation of the tropical seagrass <i>Enhalus acoroides</i> (L.) Royle in Cape Bolinao, NW Philippines. <i>Aquatic Botany</i> , 1999, 65, 123-139.	0.8	37
485	Bacterial activity and diffusive nutrient supply in the oligotrophic Central Atlantic Ocean. <i>Aquatic Microbial Ecology</i> , 2009, 56, 1-12.	0.9	37
486	Time lags in algal growth: generality, causes and consequences. <i>Journal of Plankton Research</i> , 1990, 12, 873-883.	0.8	36

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487	Flowering Frequency of Philippine Seagrasses. <i>Botanica Marina</i> , 1997, 40, .	0.6	36
488	Allocation of effort and imbalances in biodiversity research. <i>Journal of Experimental Marine Biology and Ecology</i> , 2008, 360, 15-20.	0.7	36
489	Sensitivity and Acclimation of Three Canopy-Forming Seaweeds to UVB Radiation and Warming. <i>PLoS ONE</i> , 2015, 10, e0143031.	1.1	36
490	Implanted Nanosensors in Marine Organisms for Physiological Biologging: Design, Feasibility, and Species Variability. <i>ACS Sensors</i> , 2019, 4, 32-43.	4.0	36
491	Stimulated Raman microspectroscopy as a new method to classify microfibers from environmental samples. <i>Environmental Pollution</i> , 2020, 267, 115640.	3.7	36
492	Krill Excretion Boosts Microbial Activity in the Southern Ocean. <i>PLoS ONE</i> , 2014, 9, e89391.	1.1	36
493	Temperature and phosphorus regulating carbon flux through bacteria in a coastal marine system. <i>Aquatic Microbial Ecology</i> , 2010, 58, 141-151.	0.9	36
494	Experimental evidence for apical dominance in the seagrass <i>Cymodocea nodosa</i> . <i>Marine Ecology - Progress Series</i> , 1997, 148, 263-268.	0.9	36
495	Influence of Lake Morphometry on the Response of Submerged Macrophytes to Sediment Fertilization. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 1988, 45, 216-221.	0.7	35
496	New microsatellite markers for the endemic Mediterranean seagrass <i>Posidonia oceanica</i> . <i>Molecular Ecology Notes</i> , 2003, 3, 253-255.	1.7	35
497	Seagrass sediments reveal the long-term deterioration of an estuarine ecosystem. <i>Global Change Biology</i> , 2016, 22, 1523-1531.	4.2	35
498	Seagrass (<i>Posidonia oceanica</i>) seedlings in a high-CO2 world: from physiology to herbivory. <i>Scientific Reports</i> , 2016, 6, 38017.	1.6	35
499	Perspectives on a Global Observing System to Assess Ocean Health. <i>Frontiers in Marine Science</i> , 2018, 5, .	1.2	35
500	Environmental ¹³ C-DNA identifies marine macrophyte contributions to Blue Carbon sediments. <i>Limnology and Oceanography</i> , 2020, 65, 3139-3149.	1.6	35
501	Annual variation in leaf photosynthesis and leaf nutrient content of four Mediterranean seagrasses. <i>Botanica Marina</i> , 2004, 47, .	0.6	34
502	Biodiversity Research Still Grounded. <i>Science</i> , 2006, 312, 1715-1715.	6.0	34
503	Evidence for surface organic matter modulation of air-sea CO ₂ and CH ₄ gas exchange. <i>Biogeosciences</i> , 2009, 6, 1105-1114.	1.3	34
504	Long-Term CO ₂ Variability in Two Shallow Tropical Lakes Experiencing Episodic Eutrophication and Acidification Events. <i>Ecosystems</i> , 2010, 13, 382-392.	1.6	34

#	ARTICLE	IF	CITATIONS
505	Topological properties of polar food webs. <i>Marine Ecology - Progress Series</i> , 2013, 474, 15-26.	0.9	34
506	Effects of temperature on the metabolic stoichiometry of Arctic zooplankton. <i>Biogeosciences</i> , 2013, 10, 689-697.	1.3	34
507	Laser-Printed, Flexible Graphene Pressure Sensors. <i>Global Challenges</i> , 2020, 4, 2000001.	1.8	34
508	Factors Determining Seagrass Blue Carbon Across Bioregions and Geomorphologies. <i>Global Biogeochemical Cycles</i> , 2021, 35, e2021GB006935.	1.9	34
509	Phyto- and bacterioplankton abundance and viability and their relationship with phosphorus across the Mediterranean Sea. <i>Aquatic Microbial Ecology</i> , 2010, 60, 175-191.	0.9	34
510	Latitudinal variability in phosphate uptake in the Central Atlantic. <i>Marine Ecology - Progress Series</i> , 2000, 194, 283-294.	0.9	34
511	Operationalizing marketable blue carbon. <i>One Earth</i> , 2022, 5, 485-492.	3.6	34
512	Bacteria-Organic Matter Relationship in Sediments: A Case of Spurious Correlation. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 1989, 46, 904-908.	0.7	33
513	Nutrient dynamics and ecosystem metabolism in the Bay of Blanes (NW Mediterranean). <i>Biogeochemistry</i> , 2005, 73, 303-323.	1.7	33
514	Seasonal patterns in Arctic planktonic metabolism (Fram Strait - Svalbard region). <i>Biogeosciences</i> , 2013, 10, 1451-1469.	1.3	33
515	Red ochre and shells: clues to human evolution. <i>Trends in Ecology and Evolution</i> , 2014, 29, 560-565.	4.2	33
516	Big data analyses reveal patterns and drivers of the movements of southern elephant seals. <i>Scientific Reports</i> , 2017, 7, 112.	1.6	33
517	Temperature Dependence of Oxygen Dynamics and Community Metabolism in a Shallow Mediterranean Macroalgal Meadow (<i>Caulerpa prolifera</i>). <i>Estuaries and Coasts</i> , 2012, 35, 1182-1192.	1.0	32
518	Remobilization of Heavy Metals by Mangrove Leaves. <i>Frontiers in Marine Science</i> , 2018, 5, .	1.2	32
519	The Red Sea: Environmental Gradients Shape a Natural Laboratory in a Nascent Ocean. <i>Coral Reefs of the World</i> , 2019, , 1-10.	0.3	32
520	Public Perceptions of Mangrove Forests Matter for Their Conservation. <i>Frontiers in Marine Science</i> , 2020, 7, .	1.2	32
521	Projecting coral responses to intensifying marine heatwaves under ocean acidification. <i>Global Change Biology</i> , 2022, 28, 1753-1765.	4.2	32
522	An experimental test of the occurrence of competitive interactions among SE Asian seagrasses. <i>Marine Ecology - Progress Series</i> , 2000, 197, 231-240.	0.9	32

#	ARTICLE	IF	CITATIONS
523	Role of experimental approaches in marine microbial ecology. <i>Aquatic Microbial Ecology</i> , 1997, 13, 101-111.	0.9	31
524	Biomass, production and rhizome growth near the northern limit of seagrass (<i>Zostera marina</i>) distribution. <i>Aquatic Botany</i> , 2002, 72, 183-189.	0.8	31
525	Global patterns in oceanic planktonic metabolism. <i>Limnology and Oceanography</i> , 2013, 58, 977-986.	1.6	31
526	Synergistic effects of hypoxia and increasing CO ₂ on benthic invertebrates of the central Chilean coast. <i>Frontiers in Marine Science</i> , 2015, 2, .	1.2	31
527	Reconstruction of centennial-scale fluxes of chemical elements in the Australian coastal environment using seagrass archives. <i>Science of the Total Environment</i> , 2016, 541, 883-894.	3.9	31
528	Genetic and oceanographic tools reveal high population connectivity and diversity in the endangered pen shell <i>Pinna nobilis</i> . <i>Scientific Reports</i> , 2018, 8, 4770.	1.6	31
529	Biogenic silica production and diatom dynamics in the Svalbard region during spring. <i>Biogeosciences</i> , 2018, 15, 6503-6517.	1.3	31
530	Total alkalinity production in a mangrove ecosystem reveals an overlooked Blue Carbon component. <i>Limnology and Oceanography Letters</i> , 2021, 6, 61-67.	1.6	31
531	Century-long records reveal shifting challenges to seagrass recovery. <i>Global Change Biology</i> , 2021, 27, 563-575.	4.2	31
532	Effects of sediment sulfides on seagrass <i>Posidonia oceanica</i> meristematic activity. <i>Marine Ecology - Progress Series</i> , 2008, 372, 1-6.	0.9	31
533	Phytoplankton abundance in Florida lakes: Evidence for the frequent lack of nutrient limitation. <i>Limnology and Oceanography</i> , 1990, 35, 181-187.	1.6	30
534	Size-Dependent Spatial Distribution of Hake (<i>Merluccius capensis</i> and <i>Merluccius paradoxus</i>) in Namibian Waters. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 1991, 48, 2095-2099.	0.7	30
535	Diet and association of <i>Pontonia pinnophylax</i> occurring in <i>Pinna nobilis</i> : insights from stable isotope analysis. <i>Journal of the Marine Biological Association of the United Kingdom</i> , 2001, 81, 177-178.	0.4	30
536	Ocean acidification: Separating evidence from judgment – A reply to Dupont et al.. <i>Estuarine, Coastal and Shelf Science</i> , 2010, 89, 186-190.	0.9	30
537	Trace metals in deep ocean waters: A review. <i>Journal of Marine Systems</i> , 2012, 100-101, 26-33.	0.9	30
538	Iron Deficiency in Seagrasses and Macroalgae in the Red Sea Is Unrelated to Latitude and Physiological Performance. <i>Frontiers in Marine Science</i> , 2018, 5, .	1.2	30
539	Warming and CO ₂ Enhance Arctic Heterotrophic Microbial Activity. <i>Frontiers in Microbiology</i> , 2019, 10, 494.	1.5	30
540	Towards a unifying pan-arctic perspective: A conceptual modelling toolkit. <i>Progress in Oceanography</i> , 2020, 189, 102455.	1.5	30

#	ARTICLE	IF	CITATIONS
541	Genomic Blueprint of Glycine Betaine Metabolism in Coral Metaorganisms and Their Contribution to Reef Nitrogen Budgets. <i>IScience</i> , 2020, 23, 101120.	1.9	30
542	Universal Scaling in the Branching of the Tree of Life. <i>PLoS ONE</i> , 2008, 3, e2757.	1.1	30
543	Exploring the relationship between active bacterioplankton and phytoplankton in the Southern Ocean. <i>Aquatic Microbial Ecology</i> , 2008, 52, 99-106.	0.9	30
544	Effect of viruses and protists on bacteria in eddies of the Canary Current region (subtropical) <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 622</i>	1.6	30
545	Growth and population dynamics of <i>Thalassodendron ciliatum</i> in a Kenyan back-reef lagoon. <i>Aquatic Botany</i> , 1996, 55, 1-11.	0.8	29
546	Light-dependence of the metabolic balance of a highly productive Philippine seagrass community. <i>Journal of Experimental Marine Biology and Ecology</i> , 2005, 316, 55-67.	0.7	29
547	Patterns in planktonic metabolism in the Mediterranean Sea. <i>Biogeosciences</i> , 2009, 6, 3081-3089.	1.3	29
548	Ultra-trace determination of Persistent Organic Pollutants in Arctic ice using stir bar sorptive extraction and gas chromatography coupled to mass spectrometry. <i>Journal of Chromatography A</i> , 2009, 1216, 8581-8589.	1.8	29
549	Seagrass Meadows Modify Drag Forces on the Shell of the Fan Mussel <i>Pinna nobilis</i> . <i>Estuaries and Coasts</i> , 2011, 34, 60-67.	1.0	29
550	Palaeoclimatic conditions in the Mediterranean explain genetic diversity of <i>Posidonia oceanica</i> seagrass meadows. <i>Scientific Reports</i> , 2017, 7, 2732.	1.6	29
551	Flexible and Biofouling Independent Salinity Sensor. <i>Advanced Materials Interfaces</i> , 2018, 5, 1801110.	1.9	29
552	Tropical seagrass <i>Halophila stipulacea</i> shifts thermal tolerance during Mediterranean invasion. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2020, 287, 20193001.	1.2	29
553	Response of bacterial grazing rates to experimental manipulation of an Antarctic coastal nanoflagellate community. <i>Aquatic Microbial Ecology</i> , 2004, 36, 41-52.	0.9	29
554	Nutrient (N, P and Si) and carbon partitioning in the stratified NW Mediterranean. <i>Journal of Sea Research</i> , 2003, 49, 157-170.	0.6	28
555	Disentangling the Influence of Mutation and Migration in Clonal Seagrasses Using the Genetic Diversity Spectrum for Microsatellites. <i>Journal of Heredity</i> , 2014, 105, 532-541.	1.0	28
556	Autochthonous and allochthonous contributions of organic carbon to microbial food webs in Svalbard fjords. <i>Limnology and Oceanography</i> , 2017, 62, 1307-1323.	1.6	28
557	New Tools to Identify the Location of Seagrass Meadows: Marine Grazers as Habitat Indicators. <i>Frontiers in Marine Science</i> , 2018, 5, .	1.2	28
558	Carbon and Nitrogen Concentrations, Stocks, and Isotopic Compositions in Red Sea Seagrass and Mangrove Sediments. <i>Frontiers in Marine Science</i> , 2019, 6, .	1.2	28

#	ARTICLE	IF	CITATIONS
559	Additive impacts of deoxygenation and acidification threaten marine biota. <i>Global Change Biology</i> , 2020, 26, 5602-5612.	4.2	28
560	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, .	1.2	28
561	Bathymetric distribution, biomass and growth dynamics of intertidal <i>Phyllospadix scouleri</i> and <i>Phyllospadix torreyi</i> in Baja California (Mexico). <i>Marine Ecology - Progress Series</i> , 1998, 173, 13-23.	0.9	28
562	Nutrient and mass allocation of South-east Asian seagrasses. <i>Aquatic Botany</i> , 1999, 63, 203-217.	0.8	27
563	Biomass and leaf dynamics of <i>Cymodocea nodosa</i> in the Ria Formosa lagoon, South Portugal. <i>Botanica Marina</i> , 2007, 50, 1-7.	0.6	27
564	Long-term records of trace metal content of western Mediterranean seagrass (<i>Posidonia</i>). <i>Marine Chemistry</i> , 2010, 115, .	3.3	27
565	Rapid growth of seaweed biotechnology provides opportunities for developing nations. <i>Nature Biotechnology</i> , 2013, 31, 591-592.	9.4	27
566	Spatial gradients in trace metal concentrations in the surface microlayer of the Mediterranean Sea. <i>Frontiers in Marine Science</i> , 2014, 1, .	1.2	27
567	Give the machine a hand: A Boolean time-based decision tree template for rapidly finding animal behaviours in multisensor data. <i>Methods in Ecology and Evolution</i> , 2018, 9, 2206-2215.	2.2	27
568	Functional metagenomic analysis of dust-associated microbiomes above the Red Sea. <i>Scientific Reports</i> , 2019, 9, 13741.	1.6	27
569	Diversity and distribution of marine heterotrophic bacteria from a large culture collection. <i>BMC Microbiology</i> , 2020, 20, 207.	1.3	27
570	The microcosm of particles within seagrass <i>Posidonia oceanica</i> canopies. <i>Marine Ecology - Progress Series</i> , 1999, 181, 289-295.	0.9	27
571	Variable response of Red Sea coral communities to recent disturbance events along a latitudinal gradient. <i>Marine Biology</i> , 2021, 168, 1.	0.7	27
572	Partitioning particulate light absorption: A budget for a Mediterranean bay. <i>Limnology and Oceanography</i> , 1998, 43, 236-244.	1.6	26
573	Population age structure and rhizome growth of <i>Cymodocea nodosa</i> in the Ria Formosa (southern). <i>Marine Ecology - Progress Series</i> , 2007, 353, 1-10.	0.7	26
574	Experimental Assessment of Temperature Thresholds for Arctic Phytoplankton Communities. <i>Estuaries and Coasts</i> , 2015, 38, 873-885.	1.0	26
575	A bibliometric assessment of progress in marine spatial planning. <i>Marine Policy</i> , 2021, 127, 104329.	1.5	26
576	Ten new insights in climate science 2021: a horizon scan. <i>Global Sustainability</i> , 2021, 4, .	1.6	26

#	ARTICLE	IF	CITATIONS
577	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.	3.3	26
578	Estimating leaf age of the seagrass <i>Posidonia oceanica</i> (L.) Delile using the plastochrone interval index. <i>Aquatic Botany</i> , 1994, 49, 59-65.	0.8	25
579	High Organic Carbon Export Precludes Eutrophication Responses in Experimental Rocky Shore Communities. <i>Ecosystems</i> , 2003, 6, 144-153.	1.6	25
580	Scaling of ramet size and spacing in seagrasses: implications for stand development. <i>Aquatic Botany</i> , 2003, 77, 87-98.	0.8	25
581	Microbial plankton abundance and heterotrophic activity across the Central Atlantic Ocean. <i>Progress in Oceanography</i> , 2008, 79, 83-94.	1.5	25
582	Coupled CO ₂ and O ₂ -driven compromises to marine life in summer along the Chilean sector of the Humboldt Current System. <i>Biogeosciences</i> , 2012, 9, 1183-1194.	1.3	25
583	Forcing of dissolved organic carbon release by phytoplankton by anticyclonic mesoscale eddies in the subtropical NE Atlantic Ocean. <i>Biogeosciences</i> , 2013, 10, 2129-2143.	1.3	25
584	Shifts in shell mineralogy and metabolism of <i>Concholepas concholepas</i> juveniles along the Chilean coast. <i>Marine and Freshwater Research</i> , 2015, 66, 1147.	0.7	25
585	Warming Reduces Pathogen Pressure on a Climate-Vulnerable Seagrass Species. <i>Estuaries and Coasts</i> , 2015, 38, 659-667.	1.0	25
586	Expanding Greenland seagrass meadows contribute new sediment carbon sinks. <i>Scientific Reports</i> , 2018, 8, 14024.	1.6	25
587	Marine forests of the Mediterranean-Atlantic <i>Cystoseira tamariscifolia</i> complex show a southern Iberian genetic hotspot and no reproductive isolation in parapatry. <i>Scientific Reports</i> , 2018, 8, 10427.	1.6	25
588	Episodic Arctic CO ₂ Limitation in the West Svalbard Shelf. <i>Frontiers in Marine Science</i> , 2018, 5, .	1.2	25
589	Accelerated burial of petroleum hydrocarbons in Arabian Gulf blue carbon repositories. <i>Science of the Total Environment</i> , 2019, 669, 205-212.	3.9	25
590	A DNA mini-barcode for marine macrophytes. <i>Molecular Ecology Resources</i> , 2020, 20, 920-935.	2.2	25
591	Sustainable and Eco-Friendly Coral Restoration through 3D Printing and Fabrication. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 12634-12645.	3.2	25
592	Meridional and zonal changes in water properties along the continental slope off central and northern Chile. <i>Ciencias Marinas</i> , 2012, 38, 307-332.	0.4	25
593	Distribution and Pathogenicity of the Protist <i>Labyrinthula</i> sp. in western Mediterranean Seagrass Meadows. <i>Estuaries and Coasts</i> , 2011, 34, 1161-1168.	1.0	24
594	Determination of ppb-level phenol index using in-syringe dispersive liquid-liquid microextraction and liquid waveguide capillary cell spectrophotometry. <i>Mikrochimica Acta</i> , 2012, 179, 91-98.	2.5	24

#	ARTICLE	IF	CITATIONS
595	Seasonality of marine plastic abundance in central Red Sea pelagic waters. <i>Science of the Total Environment</i> , 2019, 688, 536-541.	3.9	24
596	Characterization of the CO ₂ System in a Coral Reef, a Seagrass Meadow, and a Mangrove Forest in the Central Red Sea. <i>Journal of Geophysical Research: Oceans</i> , 2019, 124, 7513-7528.	1.0	24
597	Iridocytes Mediate Photonic Cooperation Between Giant Clams (Tridacninae) and Their Photosynthetic Symbionts. <i>Frontiers in Marine Science</i> , 2020, 7, .	1.2	24
598	Translational Molecular Ecology in practice: Linking DNA-based methods to actionable marine environmental management. <i>Science of the Total Environment</i> , 2020, 744, 140780.	3.9	24
599	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.	2.3	24
600	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, .	3.3	24
601	A prevalent neglect of environmental control in mammalian cell culture calls for best practices. <i>Nature Biomedical Engineering</i> , 2021, 5, 787-792.	11.6	24
602	Microplankton respiration and net community metabolism on the NW Mediterranean coast. <i>Aquatic Microbial Ecology</i> , 1996, 10, 165-172.	0.9	24
603	Effect of N:P ratios on response of Mediterranean picophytoplankton to experimental nutrient inputs. <i>Aquatic Microbial Ecology</i> , 2004, 34, 57-67.	0.9	24
604	The spatial and temporal structure of hydrographic and phytoplankton biomass heterogeneity along the Catalan coast (NW Mediterranean). <i>Journal of Marine Research</i> , 1989, 47, 813-827.	0.3	23
605	Counting error and the quantitative analysis of phytoplankton communities. <i>Journal of Plankton Research</i> , 1990, 12, 295-304.	0.8	23
606	Architectural and life history constraints to submersed macrophyte community structure: a simulation study. <i>Aquatic Botany</i> , 1991, 42, 15-29.	0.8	23
607	Air-water exchange and vertical profiles of organic carbon in a subarctic fjord. <i>Limnology and Oceanography</i> , 2010, 55, 1733-1740.	1.6	23
608	Plankton metabolism in the Greenland Sea during the polar summer of 2007. <i>Polar Biology</i> , 2010, 33, 1651-1660.	0.5	23
609	Antarctic krill as a source of dissolved organic carbon to the Antarctic ecosystem. <i>Limnology and Oceanography</i> , 2011, 56, 521-528.	1.6	23
610	Seasonal dynamics of autotrophic and heterotrophic plankton metabolism and P _{CO2} in a subarctic Greenland fjord. <i>Limnology and Oceanography</i> , 2014, 59, 1764-1778.	1.6	23
611	Impact of seagrass establishment, industrialization and coastal infrastructure on seagrass biogeochemical sinks. <i>Marine Environmental Research</i> , 2020, 160, 104990.	1.1	23
612	Integrating environmental variability to broaden the research on coral responses to future ocean conditions. <i>Global Change Biology</i> , 2021, 27, 5532-5546.	4.2	23

#	ARTICLE	IF	CITATIONS
613	Thresholds of irradiance for seagrass <i>Posidonia oceanica</i> meadow metabolism. <i>Marine Ecology - Progress Series</i> , 2012, 466, 69-79.	0.9	23
614	Thermal dependence of seagrass ecosystem metabolism in the Red Sea. <i>Marine Ecology - Progress Series</i> , 2019, 614, 79-90.	0.9	23
615	Loss-controlled phytoplankton production in nutrient-poor littoral waters of the NW Mediterranean: in situ experimental evidence. <i>Marine Ecology - Progress Series</i> , 1996, 130, 213-219.	0.9	23
616	Ocean sediments as the global sink for marine microplastics and mesoplastics. <i>Limnology and Oceanography Letters</i> , 2022, 7, 235-243.	1.6	23
617	Comparative analysis of food webs based on flow networks: effects of nutrient supply on structure and function of coastal plankton communities. <i>Continental Shelf Research</i> , 2001, 21, 2043-2053.	0.9	22
618	Bacterial production and losses to predators along an open ocean productivity gradient in the Subtropical North East Atlantic Ocean. <i>Journal of Plankton Research</i> , 2014, 36, 198-213.	0.8	22
619	Changes in the C, N, and P cycles by the predicted salps-krill shift in the southern ocean. <i>Frontiers in Marine Science</i> , 2014, 1, .	1.2	22
620	Consequences of UV-enhanced community respiration for plankton metabolic balance. <i>Limnology and Oceanography</i> , 2014, 59, 223-232.	1.6	22
621	CDOM Sources and Photobleaching Control Quantum Yields for Oceanic DMS Photolysis. <i>Environmental Science & Technology</i> , 2016, 50, 13361-13370.	4.6	22
622	Light availability and temperature, not increased CO ₂ , will structure future meadows of <i>Posidonia oceanica</i> . <i>Aquatic Botany</i> , 2017, 139, 32-36.	0.8	22
623	Zooplankton Abundance and Diversity in the Tropical and Subtropical Ocean. <i>Diversity</i> , 2019, 11, 203.	0.7	22
624	Deep Penetration of Kelps Offshore Along the West Coast of Greenland. <i>Frontiers in Marine Science</i> , 2019, 6, .	1.2	22
625	Hypothesis: Potentially Systemic Impacts of Elevated CO ₂ on the Human Proteome and Health. <i>Frontiers in Public Health</i> , 2020, 8, 543322.	1.3	22
626	Superhydrophobicity and size reduction enabled <i>Halobates</i> (Insecta: Heteroptera, Gerridae) to colonize the open ocean. <i>Scientific Reports</i> , 2020, 10, 7785.	1.6	22
627	Seagrass (<i>Halophila stipulacea</i>) invasion enhances carbon sequestration in the Mediterranean Sea. <i>Global Change Biology</i> , 2021, 27, 2592-2607.	4.2	22
628	Dynamics of Seagrass Stability and Change. , 2007, , 271-294.		22
629	Abundance of Antarctic picophytoplankton and their response to light and nutrient manipulation. <i>Aquatic Microbial Ecology</i> , 2002, 29, 161-172.	0.9	22
630	Plasticity and trade-offs in physiological traits of intertidal mussels subjected to freshwater-induced environmental variation. <i>Marine Ecology - Progress Series</i> , 2016, 553, 93-109.	0.9	22

#	ARTICLE	IF	CITATIONS
631	Global biodiversity patterns of marine forests of brown macroalgae. <i>Global Ecology and Biogeography</i> , 2022, 31, 636-648.	2.7	22
632	Compensation irradiance for planktonic community metabolism in the ocean. <i>Global Biogeochemical Cycles</i> , 2010, 24, .	1.9	21
633	Krill excretion and its effect on primary production. <i>Marine Ecology - Progress Series</i> , 2012, 459, 29-38.	0.9	21
634	Geographical gradients of dissolved Vitamin B12 in the Mediterranean Sea. <i>Frontiers in Microbiology</i> , 2013, 4, 126.	1.5	21
635	UV sensitivity of planktonic net community production in ocean surface waters. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2014, 119, 929-936.	1.3	21
636	Airborne Prokaryote and Virus Abundance Over the Red Sea. <i>Frontiers in Microbiology</i> , 2019, 10, 1112.	1.5	21
637	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.	2.2	21
638	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, .	1.2	21
639	Ocean-atmosphere exchange of organic carbon and CO ₂ surrounding the Antarctic Peninsula. <i>Biogeosciences</i> , 2014, 11, 2755-2770.	1.3	20
640	Ecological effects of non-native species in marine ecosystems relate to occurring anthropogenic pressures. <i>Global Change Biology</i> , 2020, 26, 1248-1258.	4.2	20
641	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.	3.0	20
642	Unfamiliar partnerships limit cnidarian holobiont acclimation to warming. <i>Global Change Biology</i> , 2020, 26, 5539-5553.	4.2	20
643	Temperature transcends partner specificity in the symbiosis establishment of a cnidarian. <i>ISME Journal</i> , 2021, 15, 141-153.	4.4	20
644	Experimental induction of a large phytoplankton bloom in Antarctic coastal waters. <i>Marine Ecology - Progress Series</i> , 2000, 206, 73-85.	0.9	20
645	Variance and the Description of Nature. , 1991, , 301-318.		19
646	Threshold of gross primary production for planktonic metabolic balance in the Southern Ocean: An experimental test. <i>Limnology and Oceanography</i> , 2005, 50, 1334-1339.	1.6	19
647	ARTIFICIAL NEURAL NETWORK ANALYSIS OF FACTORS CONTROLLING ECOSYSTEM METABOLISM IN COASTAL SYSTEMS. , 2007, 17, S185-S196.		19
648	Ecosystem thresholds with hypoxia. , 2009, , 21-29.		19

#	ARTICLE	IF	CITATIONS
649	Warming enhances sulphide stress of Mediterranean seagrass (<i>Posidonia oceanica</i>). <i>Estuarine, Coastal and Shelf Science</i> , 2012, 113, 240-247.	0.9	19
650	SELECTIVE ELIMINATION OF CHLOROPLASTIDIAL DNA FOR METAGENOMICS OF BACTERIA ASSOCIATED WITH THE GREEN ALGA <i>CAULERPA TAXIFOLIA</i> (BRYOPSIDOPHYCEAE). <i>Journal of Phycology</i> , 2012, 48, 483-490.	1.0	19
651	High denitrification and anaerobic ammonium oxidation contributes to net nitrogen loss in a seagrass ecosystem in the central Red Sea. <i>Biogeosciences</i> , 2018, 15, 7333-7346.	1.3	19
652	Resource (Light and Nitrogen) and Density-Dependence of Seaweed Growth. <i>Frontiers in Marine Science</i> , 2019, 6, .	1.2	19
653	Beyond Reef Restoration: Next-Generation Techniques for Coral Gardening, Landscaping, and Outreach. <i>Frontiers in Marine Science</i> , 2020, 7, .	1.2	19
654	Dead-reckoning animal movements in R: a reappraisal using GundoG.Tracks. <i>Animal Biotelemetry</i> , 2021, 9, .	0.8	19
655	Investing in Blue Natural Capital to Secure a Future for the Red Sea Ecosystems. <i>Frontiers in Marine Science</i> , 2021, 7, .	1.2	19
656	Size plasticity of freshwater phytoplankton: Implications for community structure. <i>Limnology and Oceanography</i> , 1990, 35, 1846-1851.	1.6	18
657	Light regulation of benthic sulfate reduction rates mediated by seagrass (<i>Thalassia testudinum</i>) metabolism. <i>Estuaries and Coasts</i> , 2006, 29, 1255-1264.	1.0	18
658	Extreme pH Conditions at a Natural CO ₂ Vent System (Italy) Affect Growth, and Survival of Juvenile Pen Shells (<i>Pinna nobilis</i>). <i>Estuaries and Coasts</i> , 2015, 38, 1986-1999.	1.0	18
659	Trace metal partitioning in the top meter of the ocean. <i>Science of the Total Environment</i> , 2019, 652, 907-914.	3.9	18
660	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.	3.9	18
661	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, .	1.2	18
662	Genetic recolonization of mangrove: genetic diversity still increasing in the Mekong Delta 30 years after Agent Orange. <i>Marine Ecology - Progress Series</i> , 2009, 390, 129-135.	0.9	18
663	Seasonal growth of <i>Codium bursa</i> , a slow-growing Mediterranean macroalga: in situ experimental evidence of nutrient limitation. <i>Marine Ecology - Progress Series</i> , 1995, 123, 185-191.	0.9	18
664	Rapid evolution of SARS-CoV-2 challenges human defenses. <i>Scientific Reports</i> , 2022, 12, 6457.	1.6	18
665	Distribution and nutrient limitation of surfgrass, <i>Phyllospadix scouleri</i> and <i>Phyllospadix torreyi</i> , along the Pacific coast of Baja California (MÉxico). <i>Aquatic Botany</i> , 2002, 74, 121-131.	0.8	17
666	Elucidating seagrass population dynamics: Theory, constraints, and practice. <i>Limnology and Oceanography</i> , 2003, 48, 2070-2074.	1.6	17

#	ARTICLE	IF	CITATIONS
667	Observations of chromophoric dissolved and detrital organic matter distribution using remote sensing in the Southern Ocean: Validation, dynamics and regulation. <i>Journal of Marine Systems</i> , 2010, 82, 295-303.	0.9	17
668	Rapid accretion of dissolved organic carbon in the springs of Florida: the most organic-poor natural waters. <i>Biogeosciences</i> , 2010, 7, 4051-4057.	1.3	17
669	Ecosystem metabolism in a temporary Mediterranean marsh (Doñana National Park, SW Spain). <i>Biogeosciences</i> , 2011, 8, 963-971.	1.3	17
670	Experimental assessment of cumulative temperature and UV-B radiation effects on Mediterranean plankton metabolism. <i>Frontiers in Marine Science</i> , 2015, 2, .	1.2	17
671	Functional differences in the allometry of the water, carbon and nitrogen content of gelatinous organisms. <i>Journal of Plankton Research</i> , 2015, 37, 989-1000.	0.8	17
672	Temperature dependence of the relationship between CO_2 and dissolved organic carbon in lakes. <i>Biogeosciences</i> , 2016, 13, 865-871.	1.3	17
673	Is Climate Change Shifting the Poleward Limit of Mangroves?. <i>Estuaries and Coasts</i> , 2017, 40, 1215-1226.	1.0	17
674	Imbalanced nutrient recycling in a warmer ocean driven by differential response of extracellular enzymatic activities. <i>Global Change Biology</i> , 2017, 23, 4084-4093.	4.2	17
675	Effects of UVB radiation on net community production in the upper global ocean. <i>Global Ecology and Biogeography</i> , 2017, 26, 54-64.	2.7	17
676	Oligotrophication and Metabolic Slowing-Down of a NW Mediterranean Coastal Ecosystem. <i>Frontiers in Marine Science</i> , 2017, 4, .	1.2	17
677	Carbon dioxide and methane fluxes at the air-sea interface of Red Sea mangroves. <i>Biogeosciences</i> , 2018, 15, 5365-5375.	1.3	17
678	Tunable, Flexible Composite Magnets for Marine Monitoring Applications. <i>Advanced Engineering Materials</i> , 2018, 20, 1800229.	1.6	17
679	Towards informed metrics for examining the role of human-induced animal responses in tag studies on wild animals. <i>Integrative Zoology</i> , 2019, 14, 17-29.	1.3	17
680	Night-Time Temperature Reprieves Enhance the Thermal Tolerance of a Symbiotic Cnidarian. <i>Frontiers in Marine Science</i> , 2019, 6, .	1.2	17
681	Seagrass sedimentary deposits as security vaults and time capsules of the human past. <i>Ambio</i> , 2019, 48, 325-335.	2.8	17
682	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.	0.8	17
683	Patterns of publication effort in coastal biogeochemistry: a bibliometric survey (1971 to 2003). <i>Marine Ecology - Progress Series</i> , 2005, 294, 9-22.	0.9	17
684	Biomass partitioning in Florida phytoplankton communities. <i>Journal of Plankton Research</i> , 1991, 13, 239-245.	0.8	16

#	ARTICLE	IF	CITATIONS
685	Dimethyl sulfoxide (DMSO) reduction potential in Mediterranean seagrass (<i>Posidonia oceanica</i>) sediments. <i>Journal of Sea Research</i> , 2004, 51, 11-20.	0.6	16
686	Sedimentary iron inputs stimulate seagrass (<i>Posidonia oceanica</i>) population growth in carbonate sediments. <i>Estuarine, Coastal and Shelf Science</i> , 2008, 76, 710-713.	0.9	16
687	Effects of Seagrass Rhizospheres on Sediment Redox Conditions in SE Asian Coastal Ecosystems. <i>Estuaries and Coasts</i> , 2010, 33, 107-117.	1.0	16
688	Distribution and contribution of major phytoplankton groups to carbon cycling across contrasting conditions of the subtropical northeast Atlantic Ocean. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2011, 58, 1115-1129.	0.6	16
689	High Mortality of Red Sea Zooplankton under Ambient Solar Radiation. <i>PLoS ONE</i> , 2014, 9, e108778.	1.1	16
690	Temperature dependence of planktonic metabolism in the subtropical North Atlantic Ocean. <i>Biogeosciences</i> , 2014, 11, 4529-4540.	1.3	16
691	Concentration and isotopic composition of dissolved Pb in surface waters of the modern global ocean. <i>Geochimica Et Cosmochimica Acta</i> , 2018, 235, 41-54.	1.6	16
692	Increasing temperature within thermal limits compensates negative ultraviolet-B radiation effects in terrestrial and aquatic organisms. <i>Global Ecology and Biogeography</i> , 2019, 28, 1695-1711.	2.7	16
693	Seagrass Distribution, Composition and Abundance Along the Saudi Arabian Coast of Red Sea. <i>Springer Oceanography</i> , 2019, , 367-385.	0.2	16
694	Stunted Mangrove Trees in the Oligotrophic Central Red Sea Relate to Nitrogen Limitation. <i>Frontiers in Marine Science</i> , 2020, 7, .	1.2	16
695	Robustness to extinction and plasticity derived from mutualistic bipartite ecological networks. <i>Scientific Reports</i> , 2020, 10, 9783.	1.6	16
696	Drivers of the Low Metabolic Rates of Seagrass Meadows in the Red Sea. <i>Frontiers in Marine Science</i> , 2020, 7, .	1.2	16
697	Discovery of Afifi, the shallowest and southernmost brine pool reported in the Red Sea. <i>Scientific Reports</i> , 2020, 10, 910.	1.6	16
698	Optimising sample sizes for animal distribution analysis using tracking data. <i>Methods in Ecology and Evolution</i> , 2021, 12, 288-297.	2.2	16
699	Climate-driven impacts of exotic species on marine ecosystems. <i>Global Ecology and Biogeography</i> , 2021, 30, 1043-1055.	2.7	16
700	Distribution and temporal trends in the abundance of nesting sea turtles in the Red Sea. <i>Biological Conservation</i> , 2021, 261, 109235.	1.9	16
701	A high-quality genome assembly and annotation of the gray mangrove, <i>Avicennia marina</i> . <i>G3: Genes, Genomes, Genetics</i> , 2021, 11, .	0.8	16
702	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.	0.9	16

#	ARTICLE	IF	CITATIONS
703	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.	3.9	16
704	Major Expansion of Marine Forests in a Warmer Arctic. <i>Frontiers in Marine Science</i> , 2022, 9, .	1.2	16
705	Synergistic control of CO ₂ emissions by fish and nutrients in a humic tropical lake. <i>Oecologia</i> , 2012, 168, 839-847.	0.9	15
706	Polar marine biology science in Portugal and Spain: Recent advances and future perspectives. <i>Journal of Sea Research</i> , 2013, 83, 9-29.	0.6	15
707	Prevalence of strong vertical CO ₂ and O ₂ variability in the top meters of the ocean. <i>Global Biogeochemical Cycles</i> , 2013, 27, 941-949.	1.9	15
708	Contrasting Sensitivity of Marine Biota to UV-B Radiation Between Southern and Northern Hemispheres. <i>Estuaries and Coasts</i> , 2015, 38, 1126-1133.	1.0	15
709	Patterns and Drivers of UV Absorbing Chromophoric Dissolved Organic Matter in the Euphotic Layer of the Open Ocean. <i>Frontiers in Marine Science</i> , 2019, 6, .	1.2	15
710	Defining CO ₂ and O ₂ syndromes of marine biomes in the Anthropocene. <i>Global Change Biology</i> , 2020, 26, 355-363.	4.2	15
711	Warming enhances carbon dioxide and methane fluxes from Red Sea seagrass (<i>Halophila stipulacea>) sediments. <i>Biogeosciences</i> , 2020, 17, 1717-1730.	1.3	15
712	Picocyanobacteria Community and Cyanophage Infection Responses to Nutrient Enrichment in a Mesocosms Experiment in Oligotrophic Waters. <i>Frontiers in Microbiology</i> , 2020, 11, 1153.	1.5	15
713	High summer temperatures amplify functional differences between coral&and algae&dominated reef communities. <i>Ecology</i> , 2021, 102, e03226.	1.5	15
714	Succession patterns of phytoplankton blooms: directionality and influence of algal cell size. <i>Marine Biology</i> , 1989, 102, 43-48.	0.7	14
715	Growth and population dynamics during early stages of the mangrove <i>Kandelia candel</i> in Halong Bay, North Viet Nam. <i>Estuarine, Coastal and Shelf Science</i> , 2003, 58, 435-444.	0.9	14
716	Isolation and characterization of microsatellite markers for the seagrass <i>Cymodocea nodosa</i> . <i>Molecular Ecology Notes</i> , 2003, 3, 397-399.	1.7	14
717	Growth and grazing losses of prokaryotes in the central Atlantic Ocean. <i>Journal of Plankton Research</i> , 2005, 27, 1055-1066.	0.8	14
718	Microbial colonization in the seagrass <i>Posidonia</i> spp. roots. <i>Marine Biology Research</i> , 2005, 1, 388-395.	0.3	14
719	Impacts of climate warming on polar marine and freshwater ecosystems. <i>Polar Biology</i> , 2010, 33, 1595-1598.	0.5	14
720	Variability in the abundance of <i>Trichodesmium</i> and nitrogen fixation activities in the subtropical NE Atlantic. <i>Journal of Plankton Research</i> , 2013, 35, 1126-1140.	0.8	14

#	ARTICLE	IF	CITATIONS
721	Biomares, a LIFE project to restore and manage the biodiversity of Prof. Luiz Saldanha Marine Park. <i>Journal of Coastal Conservation</i> , 2014, 18, 643-655.	0.7	14
722	Optimal soil carbon sampling designs to achieve cost-effectiveness: a case study in blue carbon ecosystems. <i>Biology Letters</i> , 2018, 14, 20180416.	1.0	14
723	Seagrass <i>Posidonia oceanica</i> diel pH fluctuations reduce the mortality of epiphytic forams under experimental ocean acidification. <i>Marine Pollution Bulletin</i> , 2019, 146, 247-254.	2.3	14
724	Flexible Hall sensor made of laser-scribed graphene. <i>Npj Flexible Electronics</i> , 2021, 5, .	5.1	14
725	Combined effect of warming and infection by <i>Labyrinthula</i> sp. on the Mediterranean seagrass <i>Cymodocea nodosa</i> . <i>Marine Ecology - Progress Series</i> , 2015, 532, 101-109.	0.9	14
726	Recruitment, mortality and growth of mangrove (<i>Rhizophora</i> sp.) seedlings in Ulugan Bay, Palawan, Philippines. <i>Trees - Structure and Function</i> , 2004, 18, 589.	0.9	13
727	Effect of viruses and protists on bacteria in eddies of the Canary Current region (subtropical) Tj ETQq1 1 0.784314 rgBT / Overlock 10	1.8	13
728	Experimental Evaluation of the Response of Coastal Mediterranean Planktonic and Benthic Metabolism to Warming. <i>Estuaries and Coasts</i> , 2013, 36, 697-707.	1.0	13
729	Strong Sensitivity of Red Sea Zooplankton to UV-B Radiation. <i>Estuaries and Coasts</i> , 2015, 38, 846-853.	1.0	13
730	Tissue-Specific Microbiomes of the Red Sea Giant Clam <i>Tridacna maxima</i> Highlight Differential Abundance of Endozoicomonadaceae. <i>Frontiers in Microbiology</i> , 2019, 10, 2661.	1.5	13
731	Rates and drivers of Red Sea plankton community metabolism. <i>Biogeosciences</i> , 2019, 16, 2983-2995.	1.3	13
732	Multi-model remote sensing assessment of primary production in the subtropical gyres. <i>Journal of Marine Systems</i> , 2019, 196, 97-106.	0.9	13
733	Sequencing effort dictates gene discovery in marine microbial metagenomes. <i>Environmental Microbiology</i> , 2020, 22, 4589-4603.	1.8	13
734	Accumulation of ¹³ C-labelled phenanthrene in phytoplankton and transfer to corals resolved using cavity ring-down spectroscopy. <i>Ecotoxicology and Environmental Safety</i> , 2020, 196, 110511.	2.9	13
735	Enhanced Viral Activity in the Surface Microlayer of the Arctic and Antarctic Oceans. <i>Microorganisms</i> , 2021, 9, 317.	1.6	13
736	Highly polymorphic microsatellite markers for the Mediterranean endemic fan mussel <i>Pinna nobilis</i> . <i>Mediterranean Marine Science</i> , 2015, 16, 31.	0.6	13
737	Nutrient accumulation at different supply rates in experimental Mediterranean planktonic communities. <i>Marine Ecology - Progress Series</i> , 2000, 207, 1-11.	0.9	13
738	Warming Threatens to Propel the Expansion of the Exotic Seagrass <i>Halophila stipulacea</i> . <i>Frontiers in Marine Science</i> , 2021, 8, .	1.2	13

#	ARTICLE	IF	CITATIONS
739	In situ monitoring reveals cellular environmental instabilities in human pluripotent stem cell culture. <i>Communications Biology</i> , 2022, 5, 119.	2.0	13
740	MACROPHYTE STANDING CROP AND PRIMARY PRODUCTIVITY IN SOME FLORIDA SPRINGS 1. <i>Journal of the American Water Resources Association</i> , 1990, 26, 927-934.	1.0	12
741	Sequential injection analysis for automation of the Winkler methodology, with real-time SIMPLEX optimization and shipboard application. <i>Analytica Chimica Acta</i> , 2010, 658, 147-155.	2.6	12
742	Response functions for SIMPLEX optimization of flow-injection analysis and related techniques. <i>TrAC - Trends in Analytical Chemistry</i> , 2010, 29, 1224-1235.	5.8	12
743	Experimental assessment of the effect of UVB radiation on plankton community metabolism along the Southeastern Pacific off Chile. <i>Biogeosciences</i> , 2012, 9, 1267-1276.	1.3	12
744	Corrigendum to "Seasonal patterns in Arctic planktonic metabolism (Fram Strait - Svalbard) Tj ETQq0,0,0 rgBT /Overlock 1	1.3	12
745	Ultraviolet radiation enhances Arctic net plankton community production. <i>Geophysical Research Letters</i> , 2014, 41, 5960-5967.	1.5	12
746	Temperature dependence of plankton community metabolism in the subtropical and tropical oceans. <i>Global Biogeochemical Cycles</i> , 2017, 31, 1141-1154.	1.9	12
747	pH gradients in the diffusive boundary layer of subarctic macrophytes. <i>Polar Biology</i> , 2017, 40, 2343-2348.	0.5	12
748	Contrasting Responses of Marine and Freshwater Photosynthetic Organisms to UVB Radiation: A Meta-Analysis. <i>Frontiers in Marine Science</i> , 2017, 4, .	1.2	12
749	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.	1.3	12
750	ENSO feedback drives variations in dieback at a marginal mangrove site. <i>Scientific Reports</i> , 2021, 11, 8130.	1.6	12
751	Rise and fall of the global conversation and shifting sentiments during the COVID-19 pandemic. <i>Humanities and Social Sciences Communications</i> , 2021, 8, .	1.3	12
752	Nutrient and temperature constraints on primary production and net phytoplankton growth in a tropical ecosystem. <i>Limnology and Oceanography</i> , 2021, 66, 2923-2935.	1.6	12
753	Impact of Marine Heatwaves on Seagrass Ecosystems. <i>Ecological Studies</i> , 2021, , 345-364.	0.4	12
754	Retrospective estimates of net leaf production in <i>Kandelia candel</i> mangrove forests. <i>Marine Ecology - Progress Series</i> , 2001, 221, 117-124.	0.9	12
755	How often should dead-reckoned animal movement paths be corrected for drift?. <i>Animal Biotelemetry</i> , 2021, 9, 43.	0.8	12
756	Fingerprinting Arctic and North Atlantic Macroalgae with eDNA - Application and perspectives. <i>Environmental DNA</i> , 2022, 4, 385-401.	3.1	12

#	ARTICLE	IF	CITATIONS
757	Bioturbation Intensity Modifies the Sediment Microbiome and Biochemistry and Supports Plant Growth in an Arid Mangrove System. <i>Microbiology Spectrum</i> , 2022, 10, .	1.2	12
758	Impact of submarine hydrothermal vents on the metal composition of krill and its excretion products. <i>Marine Chemistry</i> , 2009, 113, 129-136.	0.9	11
759	Scaling properties of protein family phylogenies. <i>BMC Evolutionary Biology</i> , 2011, 11, 155.	3.2	11
760	Response to Comment on "Dilution limits dissolved organic carbon utilization in the deep ocean". <i>Science</i> , 2015, 350, 1483-1483.	6.0	11
761	Continuous daylight in the high-Arctic summer supports high plankton respiration rates compared to those supported in the dark. <i>Scientific Reports</i> , 2017, 7, 1247.	1.6	11
762	The global network of ports supporting high seas fishing. <i>Science Advances</i> , 2021, 7, .	4.7	11
763	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.	1.2	11
764	Animal lifestyle affects acceptable mass limits for attached tags. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2021, 288, 20212005.	1.2	11
765	Trade-Offs and Synergies Between Seagrass Ecosystems and Fishing Activities: A Global Literature Review. <i>Frontiers in Marine Science</i> , 2022, 9, .	1.2	11
766	Fauna associated with seagrass systems. , 2000, , 199-247.		10
767	Status and Future Perspectives of Marine Aquaculture. , 2008, , 293-319.		10
768	Uncertainty analysis along the ecological quality status of water bodies: The response of the <i>Posidonia oceanica</i> multivariate index (POMI) in three Mediterranean regions. <i>Marine Pollution Bulletin</i> , 2012, 64, 926-931.	2.3	10
769	Chip-On-Valve Concept: An Integrated Platform for Multisyringe Flow Injection Analysis: Application to Nitrite and Nitrate Determination in Seawater. <i>Analytical Letters</i> , 2013, 46, 2345-2358.	1.0	10
770	Climate warming and Mediterranean seagrass. <i>Nature Climate Change</i> , 2013, 3, 3-4.	8.1	10
771	Resistance of juveniles of the Mediterranean pen shell, (<i>Pinna nobilis</i>) to hypoxia and interaction with warming. <i>Estuarine, Coastal and Shelf Science</i> , 2015, 165, 199-203.	0.9	10
772	Juvenile Pen Shells (<i>Pinna nobilis</i>) Tolerate Acidification but Are Vulnerable to Warming. <i>Estuaries and Coasts</i> , 2015, 38, 1976-1985.	1.0	10
773	Zooplankton excretion metabolites stimulate Southern Ocean phytoplankton growth. <i>Polar Biology</i> , 2017, 40, 2035-2045.	0.5	10
774	Remote sensing mapping of macroalgal farms by modifying thresholds in the classification tree. <i>Geocarto International</i> , 2019, 34, 1098-1108.	1.7	10

#	ARTICLE	IF	CITATIONS
775	Relationship Between Carbon- and Oxygen-Based Primary Productivity in the Arctic Ocean, Svalbard Archipelago. <i>Frontiers in Marine Science</i> , 2019, 6, .	1.2	10
776	Warming effect on nitrogen fixation in Mediterranean macrophyte sediments. <i>Biogeosciences</i> , 2019, 16, 167-175.	1.3	10
777	High temperature and crab density reduce atmospheric nitrogen fixation in Red Sea mangrove sediments. <i>Estuarine, Coastal and Shelf Science</i> , 2020, 232, 106487.	0.9	10
778	Changes of the Macrobenthos Community with Non-native Mangrove Rehabilitation (<i>Kandelia</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 62 Science Journal, 2021, 56, 395-405.	0.6	10
779	Global diversity and distribution of aerobic anoxygenic phototrophs in the tropical and subtropical oceans. <i>Environmental Microbiology</i> , 2022, 24, 2222-2238.	1.8	10
780	Response of coastal Antarctic phytoplankton to solar radiation and ammonium manipulation: An in situ mesocosm experiment. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	9
781	Improving Pressure Robustness, Reliability, and Versatility of Solenoid-Pump Flow Systems Using a Miniature Economic Control Unit Including Two Simple Pressure Pulse Mathematical Models. <i>Analytical Chemistry</i> , 2010, 82, 6983-6990.	3.2	9
782	Genetic diversity and biogeographical patterns of <i>Caulerpa prolifera</i> across the Mediterranean and Mediterranean/Atlantic transition zone. <i>Marine Biology</i> , 2015, 162, 557-569.	0.7	9
783	Development technologies impact in web accessibility. , 2016, , .		9
784	Greenland Tidal Pools as Hot Spots for Ecosystem Metabolism and Calcification. <i>Estuaries and Coasts</i> , 2018, 41, 1314-1321.	1.0	9
785	Flexible, four-electrode conductivity cell for biologgging applications. <i>Results in Materials</i> , 2019, 1, 100009.	0.9	9
786	Thuwalallenes Aâ€“E and Thuwalenynes Aâ€“C: New C15 Acetogenins with Anti-Inflammatory Activity from a Saudi Arabian Red Sea <i>Laurencia</i> sp.. <i>Marine Drugs</i> , 2019, 17, 644.	2.2	9
787	Gene pool and connectivity patterns of <i>Pinna nobilis</i> in the Balearic Islands (Spain, Western) Tj ETQq1 1 0.784314 rgBT /Overlock Marine and Freshwater Ecosystems, 2019, 29, 175-188.	0.9	9
788	An orientation sphere visualization for examining animal head movements. <i>Ecology and Evolution</i> , 2020, 10, 4291-4302.	0.8	9
789	Host association as major driver of microbiome structure and composition in Red Sea seagrass ecosystems. <i>Environmental Microbiology</i> , 2021, 23, 2021-2034.	1.8	9
790	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, 459-471.	3.0	9
791	The conservation and ecological impacts of the COVID-19 pandemic. <i>Biological Conservation</i> , 2021, 260, 109204.	1.9	9
792	Patterns in Biomass and Cover of Aquatic Macrophytes in Lakes: Test with Florida Lakes. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 1988, 45, 1976-1982.	0.7	8

#	ARTICLE	IF	CITATIONS
793	Polymorphic microsatellite DNA markers in the mangrove tree <i>Avicennia alba</i> . <i>Molecular Ecology Notes</i> , 2003, 3, 544-546.	1.7	8
794	A transcriptome resource for Antarctic krill (<i>Euphausia superba</i> Dana) exposed to short-term stress. <i>Marine Genomics</i> , 2015, 23, 45-47.	0.4	8
795	Leaf Nutrient Resorption and Export Fluxes of <i>Avicennia marina</i> in the Central Red Sea Area. <i>Frontiers in Marine Science</i> , 2018, 5, .	1.2	8
796	Use of cavity ring-down spectrometry to quantify 13 C as primary productivity in oligotrophic waters. <i>Limnology and Oceanography: Methods</i> , 2019, 17, 137-144.	1.0	8
797	Gelatinous Zooplankton in the Surface Layers of the Coastal Central Red Sea. <i>Frontiers in Marine Science</i> , 2019, 6, .	1.2	8
798	Scaling of species distribution explains the vast potential marine prokaryote diversity. <i>Scientific Reports</i> , 2019, 9, 18710.	1.6	8
799	Performance of extraction methods for extracellular DNA from sediments across marine habitats. <i>Environmental DNA</i> , 2020, 2, 91-98.	3.1	8
800	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, .	0.8	8
801	Giant clams in shallow reefs: UV-resistance mechanisms of Tridacninae in the Red Sea. <i>Coral Reefs</i> , 2020, 39, 1345-1360.	0.9	8
802	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.	1.3	8
803	Prokaryotic Capability to Use Organic Substrates Across the Global Tropical and Subtropical Ocean. <i>Frontiers in Microbiology</i> , 2020, 11, 918.	1.5	8
804	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, .	1.2	8
805	Seagrass as major source of transparent exopolymer particles in the oligotrophic Mediterranean coast. <i>Biogeosciences</i> , 2017, 14, 5069-5075.	1.3	8
806	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.	1.0	8
807	Toward Best Practices for Controlling Mammalian Cell Culture Environments. <i>Frontiers in Cell and Developmental Biology</i> , 2022, 10, 788808.	1.8	8
808	State of Play in Marine Soundscape Assessments. <i>Frontiers in Marine Science</i> , 0, 9, .	1.2	8
809	Mangrove distribution and afforestation potential in the Red Sea. <i>Science of the Total Environment</i> , 2022, 843, 157098.	3.9	8
810	The relationship between mesoscale phytoplankton heterogeneity and hydrographic variability. <i>Deep-sea Research Part A, Oceanographic Research Papers</i> , 1992, 39, 45-54.	1.6	7

#	ARTICLE	IF	CITATIONS
811	Annual benthic metabolism and organic carbon fluxes in a semi-enclosed Mediterranean bay dominated by the macroalgae <i>Caulerpa prolifera</i> . <i>Frontiers in Marine Science</i> , 2014, 1, .	1.2	7
812	Flexible tag design for semi-continuous wireless data acquisition from marine animals. <i>Flexible and Printed Electronics</i> , 2019, 4, 035006.	1.5	7
813	Perceptions of Marine Environmental Issues by Saudi Citizens. <i>Frontiers in Marine Science</i> , 2020, 7, .	1.2	7
814	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.	1.1	7
815	Arctic (Svalbard islands) active and exported diatom stocks and cell health status. <i>Biogeosciences</i> , 2020, 17, 35-45.	1.3	7
816	Flexibility in Red Sea <i>Tridacna maxima</i> Symbiodiniaceae associations supports environmental niche adaptation. <i>Ecology and Evolution</i> , 2021, 11, 3393-3406.	0.8	7
817	Nutrient pollution enhances productivity and framework dissolution in algae- but not in coral-dominated reef communities. <i>Marine Pollution Bulletin</i> , 2021, 168, 112444.	2.3	7
818	Reply to: Shark mortality cannot be assessed by fishery overlap alone. <i>Nature</i> , 2021, 595, E8-E16.	13.7	7
819	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.	0.9	7
820	Annual plankton community metabolism in estuarine and coastal waters in Perth (Western Australia). <i>PeerJ</i> , 2018, 6, e5081.	0.9	7
821	Reef accumulation is decoupled from recent degradation in the central and southern Red Sea. <i>Science of the Total Environment</i> , 2022, 809, 151176.	3.9	7
822	Profiling the cell walls of seagrasses from A (<i>Amphibolis</i>) to Z (<i>Zostera</i>). <i>BMC Plant Biology</i> , 2022, 22, 63.	1.6	7
823	Self-regulation, bottom-up, and top-down control of phytoplankton communities: A reply to the comment by Kamenir. <i>Limnology and Oceanography</i> , 1992, 37, 683-687.	1.6	6
824	Addressing uncertainties in the assessment of phytoplankton lysis rates in the sea. <i>Limnology and Oceanography</i> , 2002, 47, 921-924.	1.6	6
825	14 C-UPTAKE BY PHYTOPLANKTON, NOW AND IN THE FUTURE. <i>Limnology and Oceanography Bulletin</i> , 2003, 12, 1-3.	0.2	6
826	Leaf production and shoot dynamics of <i>Thalassia testudinum</i> by a direct census method. <i>Aquatic Botany</i> , 2005, 81, 213-224.	0.8	6
827	Estuaries and Coasts as an Outlet for Research in Coastal Ecosystems: A Bibliometric Study. <i>Estuaries and Coasts</i> , 2008, 31, 469-476.	1.0	6
828	Data variability and uncertainty limits the capacity to identify and predict critical changes in coastal systems – A review of key concepts. <i>Ocean and Coastal Management</i> , 2008, 51, 671-688.	2.0	6

#	ARTICLE	IF	CITATIONS
829	Dinucleotide microsatellite markers in the genus <i>Caulerpa</i> . <i>Journal of Applied Phycology</i> , 2011, 23, 715-719.	1.5	6
830	Size-dependence of volatile and semi-volatile organic carbon content in phytoplankton cells. <i>Frontiers in Marine Science</i> , 2014, 1, .	1.2	6
831	Variable metabolic responses of Skagerrak invertebrates to low O ₂ and high CO ₂ scenarios. <i>Biogeosciences</i> , 2018, 15, 3717-3729.	1.3	6
832	Deep Learning Resolves Representative Movement Patterns in a Marine Predator Species. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 2935.	1.3	6
833	Aeolian Prokaryotic Communities of the Global Dust Belt Over the Red Sea. <i>Frontiers in Microbiology</i> , 2020, 11, 538476.	1.5	6
834	Behavioral Biomarkers for Animal Health: A Case Study Using Animal-Attached Technology on Loggerhead Turtles. <i>Frontiers in Ecology and Evolution</i> , 2020, 7, .	1.1	6
835	Trophic Structure of Neuston Across Tropical and Subtropical Oceanic Provinces Assessed With Stable Isotopes. <i>Frontiers in Marine Science</i> , 2021, 7, .	1.2	6
836	On the Relevance of Comparative Ecology to the Larger Field of Ecology. , 1991, , 46-63.		6
837	eDNA Reveals the Associated Metazoan Diversity of Mediterranean Seagrass Sediments. <i>Diversity</i> , 2022, 14, 549.	0.7	6
838	Size-Dependent Density of the Demersal Fish off Namibia: Patterns within and among Species. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 1992, 49, 1990-1993.	0.7	5
839	Weak density-dependence and short-term perturbations as determinants of phytoplankton temporal dynamics. <i>Ecoscience</i> , 1996, 3, 451-460.	0.6	5
840	POPULATION STRUCTURE, DYNAMICS, AND PRODUCTION OF THE MEDITERRANEAN MACROALGA <i>CODIUM BURSA</i> (CHLOROPHYCEAE). <i>Journal of Phycology</i> , 1998, 34, 918-924.	1.0	5
841	Seagrasses. , 2001, , 255-268.		5
842	Clone size distributions in networks of genetic similarity. <i>Physica D: Nonlinear Phenomena</i> , 2006, 224, 166-173.	1.3	5
843	Characterization of polymorphic microsatellite loci in the Antarctic krill <i>Euphausia superba</i> . <i>BMC Research Notes</i> , 2014, 7, 73.	0.6	5
844	Are the ecological effects of the "worst" marine invasive species linked with scientific and media attention?. <i>PLoS ONE</i> , 2019, 14, e0215691.	1.1	5
845	Cellular network Marine Sensor Buoy. , 2020, , .		5
846	Anomalies in the carbonate system of Red Sea coastal habitats. <i>Biogeosciences</i> , 2020, 17, 423-439.	1.3	5

#	ARTICLE	IF	CITATIONS
847	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.	1.0	5
848	Assessment of Red Sea temperatures in CMIP5 models for present and future climate. <i>PLoS ONE</i> , 2021, 16, e0255505.	1.1	5
849	Low water column nitrogen fixation in the Mediterranean Sea: basin-wide experimental evidence. <i>Aquatic Microbial Ecology</i> , 2011, 64, 135-147.	0.9	5
850	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</i>)	1.5	10
851	Seagrass Thermal Limits and Vulnerability to Future Warming. <i>Frontiers in Marine Science</i> , 2022, 9, .	1.2	5
852	Winners and losers in Framework programme. <i>Nature</i> , 1999, 400, 14-14.	13.7	4
853	Particulate light absorption and the prediction of phytoplankton biomass and planktonic metabolism in northeastern Spanish aquatic ecosystems. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2000, 57, 25-33.	0.7	4
854	INTERDISCIPLINARY CHALLENGES AND BOTTLENECKS IN THE AQUATIC SCIENCES. <i>Limnology and Oceanography Bulletin</i> , 2001, 10, 57-61.	0.2	4
855	Multipumping flow systems devoid of computer control for process and environmental monitoring. <i>International Journal of Environmental Analytical Chemistry</i> , 2012, 92, 344-354.	1.8	4
856	Investigation of Arctic and Antarctic spatial and depth patterns of sea water in CTD profiles using chemometric data analysis. <i>Polar Science</i> , 2014, 8, 242-254.	0.5	4
857	A population genetics toolbox for the threatened canopy-forming brown seaweeds <i>Cystoseira tamariscifolia</i> and <i>C. amentacea</i> (Fucales, Sargassaceae). <i>Journal of Applied Phycology</i> , 2017, 29, 627-629.	1.5	4
858	Combining Semantic Tools for Automatic Evaluation of Alternative Texts. , 2019, , .		4
859	KAUST Metagenomic Analysis Platform (KMAP), enabling access to massive analytics of re-annotated metagenomic data. <i>Scientific Reports</i> , 2021, 11, 11511.	1.6	4
860	The Internal Microenvironment of the Symbiotic Jellyfish <i>Cassiopea</i> sp. From the Red Sea. <i>Frontiers in Marine Science</i> , 2021, 8, .	1.2	4
861	First Application of 360-Degree Camera Technology to Marine Predator Bio-Logging. <i>Frontiers in Marine Science</i> , 2021, 8, .	1.2	4
862	Reply to: Caution over the use of ecological big data for conservation. <i>Nature</i> , 2021, 595, E20-E28.	13.7	4
863	Detection of SARS-CoV-2 variants requires urgent global coordination. <i>International Journal of Infectious Diseases</i> , 2021, 109, 50-53.	1.5	4
864	Intergovernmental Panel on Blue Foods in Support of Sustainable Development and Nutritional Security. <i>Environmental Science & Technology</i> , 2022, 56, 5302-5305.	4.6	4

#	ARTICLE	IF	CITATIONS
865	Mapping seagrass meadows in coastal China using GEE. <i>Geocarto International</i> , 2022, 37, 12602-12617.	1.7	4
866	Submerged macrophytes and sediment bacteria in the littoral zone of Lake Memphremagog (Canada). <i>Verhandlungen Der Internationalen Vereinigung Fur Theoretische Und Angewandte Limnologie International Association of Theoretical and Applied Limnology</i> , 1988, 23, 271-281.	0.1	3
867	Taxonomy and distribution. , 2000, , 1-26.		3
868	Seagrasses in the human environment. , 2000, , 248-291.		3
869	Seagrass architectural features. , 2000, , 27-64.		3
870	Population and community dynamics. , 2000, , 65-98.		3
871	Light, carbon and nutrients. , 2000, , 99-145.		3
872	The effect of nutrient additions on the partitioning of nutrients in an experimental coastal Mediterranean system. <i>Biogeochemistry</i> , 2004, 68, 153-167.	1.7	3
873	The H.T. Odum synthesis essay, a new section in estuaries. <i>Estuaries and Coasts</i> , 2005, 28, 1-1.	1.7	3
874	Growth and grazing losses of prokaryotes in the central Atlantic Ocean. <i>Journal of Plankton Research</i> , 2006, 28, 879-879.	0.8	3
875	Evolutionary and Ecological Trees and Networks. <i>AIP Conference Proceedings</i> , 2007, , .	0.3	3
876	Invasive Species Unchecked by Climateâ€™s Response. <i>Science</i> , 2012, 335, 538-539.	6.0	3
877	Predator Avoidance in the European Seabass After Recovery From Short-Term Hypoxia and Different CO2 Conditions. <i>Frontiers in Marine Science</i> , 2018, 5, .	1.2	3
878	Sonification of Animal Tracks as an Alternative Representation of Multi-Dimensional Data: A Northern Elephant Seal Example. <i>Frontiers in Marine Science</i> , 2018, 5, .	1.2	3
879	Decreasing carbonate load of seagrass leaves with increasing latitude. <i>Aquatic Botany</i> , 2019, 159, 103147.	0.8	3
880	Distribution and Characteristics of <i>Halobates germanus</i> Population in the Red Sea. <i>Frontiers in Marine Science</i> , 2019, 6, .	1.2	3
881	The restoration imperative to achieve a sustainable ocean economy nobody foretold in 1871. <i>One Earth</i> , 2020, 3, 669-671.	3.6	3
882	Plankton Community Metabolism in Western Australia: Estuarine, Coastal and Oceanic Surface Waters. <i>Frontiers in Marine Science</i> , 2021, 7, .	1.2	3

#	ARTICLE	IF	CITATIONS
883	Reimagining aquaculture in the Global South. <i>Science</i> , 2021, 372, 247-248.	6.0	3
884	A prediction and imputation method for marine animal movement data. <i>PeerJ Computer Science</i> , 2021, 7, e656.	2.7	3
885	Drivers of the Abundance of <i>Tridacna</i> spp. Giant Clams in the Red Sea. <i>Frontiers in Marine Science</i> , 2021, 7, .	1.2	3
886	Metabolomic Study on <i>Tridacna maxima</i> Giant Clams Reveals Metabolic Fingerprint of Environmental Pollutants. <i>Frontiers in Marine Science</i> , 2022, 9, .	1.2	3
887	Penetration of Ultraviolet-B Radiation in Oligotrophic Regions of the Oceans During the Malaspina 2010 Expedition. <i>Journal of Geophysical Research: Oceans</i> , 2022, 127, .	1.0	3
888	Ocean Calamities: Delineating the Boundaries between Scientific Evidence and Belief. <i>BioScience</i> , 2015, 65, 746-747.	2.2	2
889	Evidences of Impacts of Climate Change on Mediterranean Biota. <i>Frontiers in Marine Science</i> , 2016, 3, .	1.2	2
890	Out of Thin Air: Microbial Utilization of Atmospheric Gaseous Organics in the Surface Ocean. <i>Frontiers in Microbiology</i> , 2015, 6, 1566.	1.5	2
891	Commentary: Evaluating the Role of Seagrass in Cenozoic CO ₂ Variations. <i>Frontiers in Environmental Science</i> , 2017, 5, .	1.5	2
892	Reply to "Increased food supply mitigates ocean acidification effects on calcification but exacerbates effects on growth". <i>Scientific Reports</i> , 2018, 8, 9799.	1.6	2
893	Flexible and Multi-Functional Graphene Sensor Platform. , 2019, , .		2
894	Can Fish and Cell Phones Teach Us about Our Health?. <i>ACS Sensors</i> , 2019, 4, 2566-2570.	4.0	2
895	Giant clam inspired high-speed photo-conversion for ultraviolet optical wireless communication. <i>Optical Materials Express</i> , 2021, 11, 1515.	1.6	2
896	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.	0.5	2
897	Comprehensive analytical approaches reveal species-specific search strategies in sympatric apex predatory sharks. <i>Ecography</i> , 2021, 44, 1544-1556.	2.1	2
898	The Simrad EK60 echosounder dataset from the Malaspina circumnavigation. <i>Scientific Data</i> , 2021, 8, 259.	2.4	2
899	Elemental dynamics in seagrass systems. , 2000, , 146-198.		1
900	RAMÓN MARGALEF I LÁPEZ, 1919-2004. <i>Limnology and Oceanography Bulletin</i> , 2004, 13, 67-68.	0.2	1

#	ARTICLE	IF	CITATIONS
901	Meristematic activity of Mediterranean seagrass (<i>Posidonia oceanica</i>) shoots. <i>Aquatic Botany</i> , 2012, 101, 28-33.	0.8	1
902	Continuous photoperiod of the Arctic summer stimulates the photosynthetic response of some marine macrophytes. <i>Aquatic Botany</i> , 2019, 158, 103126.	0.8	1
903	<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.	1.2	1
904	Reply to: Indiscriminate data aggregation in ecological meta-analysis underestimates impacts of invasive species. <i>Nature Ecology and Evolution</i> , 2020, 4, 315-317.	3.4	1
905	Susan Lynn Williams: the Life of an Exceptional Scholar, Leader, and Friend (1951â€“2018). <i>Estuaries and Coasts</i> , 2021, 44, 304-311.	1.0	1
906	Testing angular velocity as a new metric for metabolic demands of slow-moving marine fauna: a case study with Giant spider conchs <i>Lambis truncata</i> . <i>Animal Biotelemetry</i> , 2021, 9, .	0.8	1
907	Coastal eutrophication research: a new awareness. , 2009, , 263-269.		1
908	Microplastics: Small Particles, Big Threat. <i>Frontiers for Young Minds</i> , 0, 9, .	0.8	1
909	Weak density-dependence and short-term perturbations as determinants of phytoplankton temporal dynamics. <i>Ecoscience</i> , 1997, 4, 120-120.	0.6	0
910	Seagrasses. , 2001, , 540-550.		0
911	REALIZING THE INTERNATIONAL DIMENSION OF ASLO. <i>Limnology and Oceanography Bulletin</i> , 2003, 12, 11-13.	0.2	0
912	THE PILGRIMAGE TO THE ASLO 2005 SUMMER MEETING, JUNE 19-24, 2005, IN SANTIAGO DE COMPOSTELA, SPAIN. <i>Limnology and Oceanography Bulletin</i> , 2004, 13, 40-41.	0.2	0
913	ASLO 2005 SUMMER CONFERENCE AND THE SPANISH IDIOSYNCRASY. <i>Limnology and Oceanography Bulletin</i> , 2004, 13, 62-65.	0.2	0
914	MESSAGE FROM THE PRESIDENT: IS ASLO INTERNATIONAL ENOUGH?. <i>Limnology and Oceanography Bulletin</i> , 2008, 17, 105-106.	0.2	0
915	Rejoinder to: Influence of river discharge in the tropical and subtropical North Atlantic Ocean. <i>Limnology and Oceanography</i> , 2009, 54, 648-652.	1.6	0
916	MESSAGE FROM THE PRESIDENT: MEMENTO FROM THE CÃ”TE D'AZUR. <i>Limnology and Oceanography Bulletin</i> , 2009, 18, 8-9.	0.2	0
917	MESSAGE FROM THE PRESIDENT: ASLO MOVES AHEAD!. <i>Limnology and Oceanography Bulletin</i> , 2009, 18, 70-71.	0.2	0
918	In Memoriam, Scott M. Nixon (1943â€“2012). <i>Estuaries and Coasts</i> , 2015, 38, 1123-1125.	1.0	0

#	ARTICLE	IF	CITATIONS
919	Ontogenetic Changes in Vulnerability of the Prawn <i>Fenneropenaeus indicus</i> to UV-B Radiation Help Explain Ontogenetic Habitat Shifts. <i>Estuaries and Coasts</i> , 2016, 39, 839-845.	1.0	0
920	Sensor for Real-Time Animal Condition and Movement Monitoring. , 2018, , .		0
921	High Summer Temperatures Amplify Functional Differences Between Coral- and Algae-Dominated Reef Communities. <i>Bulletin of the Ecological Society of America</i> , 2021, 102, e01822.	0.2	0
922	Phylogeographic Analysis Suggests a Recent Population Bottleneck in the Rare Red Sea <i>Tridacna squamosina</i> . <i>Frontiers in Marine Science</i> , 2021, 8, .	1.2	0
923	The Limits to Models in Ecology. , 2021, , 437-452.		0
924	The Sparkling Tan: How Giant Clams Avoid Sunburns. <i>Frontiers for Young Minds</i> , 0, 9, .	0.8	0
925	Degradative potential of marine bacterial isolates from the aquatic plant <i>Posidonia oceanica</i> . , 2009, , .		0
926	Global change in marine ecosystems: implications for semi-enclosed Arabian seas. , 2015, , .		0
927	Multiple stressors for oceanic primary production. , 2015, , .		0
928	chapter 6 Ubiquitous Healthy Diatoms in the Deep Sea Confirm Deep Carbon Injection by the Biological Pump. , 2017, , 123-148.		0