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

218 papers	4,639 citations	38 h-index	52 g-index
233 ext. papers	5,737 ext. citations	4.1 avg, IF	5.76 L-index

#	Paper	IF	Citations
218	Synergistic effects of climate-related variables suggest future physiological impairment in a top oceanic predator. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 20776-80	11.5	241
217	Seafood traceability: current needs, available tools, and biotechnological challenges for origin certification. <i>Trends in Biotechnology</i> , 2015 , 33, 331-6	15.1	94
216	Defective skeletogenesis and oversized otoliths in fish early stages in a changing ocean. <i>Journal of Experimental Biology</i> , 2014 , 217, 2062-70	3	85
215	Metabolic physiology of the Humboldt squid, <i>Dosidicus gigas</i> : Implications for vertical migration in a pronounced oxygen minimum zone. <i>Progress in Oceanography</i> , 2010 , 86, 72-80	3.8	83
214	Nutritional quality of red shrimp, <i>Aristeus antennatus</i> (Risso), pink shrimp, <i>Parapenaeus longirostris</i> (Lucas), and Norway lobster, <i>Nephrops norvegicus</i> (Linnaeus). <i>Journal of the Science of Food and Agriculture</i> , 2004 , 84, 89-94	4.3	80
213	Assessment of fish quality: the Quality Index Method versus HPLC analysis in <i>Sarda sarda</i> (Bloch, 1793). <i>Annals of Medicine</i> , 2019 , 51, 74-74	1.5	78
212	Early-life exposure to climate change impairs tropical shark survival. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2014 , 281,	4.4	71
211	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,	4.5	70
210	Biogeography and biodiscovery hotspots of macroalgal marine natural products. <i>Natural Product Reports</i> , 2013 , 30, 1380-90	15.1	66
209	Oxidative Stress and Digestive Enzyme Activity of Flatfish Larvae in a Changing Ocean. <i>PLoS ONE</i> , 2015 , 10, e0134082	3.7	63
208	Ocean warming enhances malformations, premature hatching, metabolic suppression and oxidative stress in the early life stages of a keystone squid. <i>PLoS ONE</i> , 2012 , 7, e38282	3.7	62
207	Effect of sexual maturation on the tissue biochemical composition of <i>Octopus vulgaris</i> and <i>O. defilippi</i> (Mollusca: Cephalopoda). <i>Marine Biology</i> , 2004 , 145, 563	2.5	58
206	Marine microorganism-invertebrate assemblages: perspectives to solve the "supply problem" in the initial steps of drug discovery. <i>Marine Drugs</i> , 2014 , 12, 3929-52	6	55
205	Future challenges in cephalopod research*. <i>Journal of the Marine Biological Association of the United Kingdom</i> , 2015 , 95, 999-1015	1.1	54
204	Effect of warming on protein, glycogen and fatty acid content of native and invasive clams. <i>Food Research International</i> , 2014 , 64, 439-445	7	54
203	Impact of climate change in Mediterranean aquaculture. <i>Reviews in Aquaculture</i> , 2012 , 4, 163-177	8.9	53
202	Differential impacts of ocean acidification and warming on winter and summer progeny of a coastal squid (<i>Loligo vulgaris</i>). <i>Journal of Experimental Biology</i> , 2014 , 217, 518-25	3	51

201	Biochemical composition of cephalopods with different life strategies, with special reference to a giant squid, <i>Architeuthis</i> sp.. <i>Marine Biology</i> , 2005 , 146, 739-751	2.5	51
200	Twenty years of the 'Preparation for Oxidative Stress' (POS) theory: Ecophysiological advantages and molecular strategies. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2019 , 234, 36-49	2.6	50
199	Effects of temperature, density, and diet on development, survival, settlement synchronism, and fatty acid profile of the ornamental shrimp <i>Lysmata seticaudata</i> . <i>Aquaculture</i> , 2005 , 245, 221-237	4.4	50
198	Bioaccumulation and elimination of mercury in juvenile seabass (<i>Dicentrarchus labrax</i>) in a warmer environment. <i>Environmental Research</i> , 2016 , 149, 77-85	7.9	50
197	Impact of ocean acidification in the metabolism and swimming behavior of the dolphinfish (<i>Coryphaena hippurus</i>) early larvae. <i>Marine Biology</i> , 2014 , 161, 725-729	2.5	49
196	Embryogenesis of decapod crustaceans with different life history traits, feeding ecologies and habitats: a fatty acid approach. <i>Marine Biology</i> , 2007 , 151, 935-947	2.5	47
195	Accumulation, transformation and tissue distribution of domoic acid, the amnesic shellfish poisoning toxin, in the common cuttlefish, <i>Sepia officinalis</i> . <i>Aquatic Toxicology</i> , 2005 , 74, 82-91	5.1	47
194	Biological responses of sharks to ocean acidification. <i>Biology Letters</i> , 2017 , 13,	3.6	44
193	Changes in amino acids and lipids during embryogenesis of European lobster, <i>Homarus gammarus</i> (Crustacea: Decapoda). <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2005 , 140, 241-9	2.3	44
192	Behavioural lateralization and shoaling cohesion of fish larvae altered under ocean acidification. <i>Marine Biology</i> , 2016 , 163, 1	2.5	43
191	Ocean acidification dampens physiological stress response to warming and contamination in a commercially-important fish (<i>Argyrosomus regius</i>). <i>Science of the Total Environment</i> , 2018 , 618, 388-398	10.2	43
190	Foraging behaviour, swimming performance and malformations of early stages of commercially important fishes under ocean acidification and warming. <i>Climatic Change</i> , 2016 , 137, 495-509	4.5	42
189	Seagrass ecophysiological performance under ocean warming and acidification. <i>Scientific Reports</i> , 2017 , 7, 41443	4.9	41
188	Effects of depuration on metal levels and health status of bivalve molluscs. <i>Food Control</i> , 2015 , 47, 493-501	5.0	41
187	Ecophysiological responses of juvenile seabass (<i>Dicentrarchus labrax</i>) exposed to increased temperature and dietary methylmercury. <i>Science of the Total Environment</i> , 2017 , 586, 551-558	10.2	40
186	DNA barcoding identifies a cosmopolitan diet in the ocean sunfish. <i>Scientific Reports</i> , 2016 , 6, 28762	4.9	40
185	Developmental and physiological challenges of octopus (<i>Octopus vulgaris</i>) early life stages under ocean warming. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2014 , 184, 55-64	2.2	40
184	Effect of maternal fat reserves on the fatty acid composition of sardine (<i>Sardina pilchardus</i>) oocytes. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2007 , 148, 398-409	2.3	40

183	Biochemical changes during the embryonic development of Norway lobster, <i>Nephrops norvegicus</i> . <i>Aquaculture</i> , 2003 , 221, 507-522	4.4	40
182	Differential behavioural responses to venlafaxine exposure route, warming and acidification in juvenile fish (<i>Argyrosomus regius</i>). <i>Science of the Total Environment</i> , 2018 , 634, 1136-1147	10.2	39
181	Nutritional quality of African catfish <i>Clarias gariepinus</i> (Burchell 1822): a positive criterion for the future development of the European production of Siluroidei. <i>International Journal of Food Science and Technology</i> , 2007 , 42, 342-351	3.8	39
180	Biochemical composition of deep-sea decapod crustaceans with two different benthic life strategies off the Portuguese south coast. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2003 , 50, 119-130	2.5	38
179	Metabolic suppression during protracted exposure to hypoxia in the jumbo squid, <i>Dosidicus gigas</i> , living in an oxygen minimum zone. <i>Journal of Experimental Biology</i> , 2014 , 217, 2555-68	3	36
178	Cephalopods as vectors of harmful algal bloom toxins in marine food webs. <i>Marine Drugs</i> , 2013 , 11, 3381-409	16.409	36
177	Integrated multi-biomarker responses of juvenile seabass to diclofenac, warming and acidification co-exposure. <i>Aquatic Toxicology</i> , 2018 , 202, 65-79	5.1	36
176	Lower hypoxia thresholds of cuttlefish early life stages living in a warm acidified ocean. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2013 , 280, 20131695	4.4	35
175	A recirculated maturation system for marine ornamental decapods. <i>Aquaculture</i> , 2007 , 263, 68-74	4.4	35
174	Habitat and trophic ecology of Southern Ocean cephalopods from stable isotope analyses. <i>Marine Ecology - Progress Series</i> , 2015 , 530, 119-134	2.6	35
173	Trace element fingerprinting of cockle (<i>Cerastoderma edule</i>) shells can reveal harvesting location in adjacent areas. <i>Scientific Reports</i> , 2015 , 5, 11932	4.9	34
172	A review on the biodiversity, distribution and trophic role of cephalopods in the Arctic and Antarctic marine ecosystems under a changing ocean. <i>Marine Biology</i> , 2018 , 165, 1	2.5	34
171	Technical improvements of a rearing system for the culture of decapod crustacean larvae, with emphasis on marine ornamental species. <i>Aquaculture</i> , 2008 , 285, 264-269	4.4	34
170	Large-scale diversity patterns of cephalopods in the Atlantic open ocean and deep sea. <i>Ecology</i> , 2008 , 89, 3449-61	4.6	34
169	Spatio-temporal variability in fatty acid trophic biomarkers in stomach contents and muscle of Iberian sardine (<i>Sardina pilchardus</i>) and its relationship with spawning. <i>Marine Biology</i> , 2008 , 154, 1053-1065	10.55	34
168	Biochemical changes during the reproductive cycle of the deep-sea decapod <i>Nephrops norvegicus</i> on the south coast of Portugal. <i>Marine Biology</i> , 2002 , 141, 1001-1009	2.5	34
167	Impacts of hypoxic events surpass those of future ocean warming and acidification. <i>Nature Ecology and Evolution</i> , 2021 , 5, 311-321	12.3	34
166	Coral physiological adaptations to air exposure: Heat shock and oxidative stress responses in <i>Veretillum cynomorium</i> . <i>Journal of Experimental Marine Biology and Ecology</i> , 2013 , 439, 35-41	2.1	33

165	Lipid dynamics during the embryonic development of <i>Plesionika martia martia</i> (Decapoda; Pandalidae), <i>Palaemon serratus</i> and <i>P. elegans</i> (Decapoda; Palaemonidae): relation to metabolic consumption. <i>Marine Ecology - Progress Series</i> , 2002 , 242, 195-204	2.6	33
164	Ecophysiological influence on scaling of aerobic and anaerobic metabolism of pelagic gonatid squids. <i>Physiological and Biochemical Zoology</i> , 2009 , 82, 419-29	2	32
163	Starvation resistance of early zoeal stages of marine ornamental shrimps <i>Lysmata</i> spp. (Decapoda: Hippolytidae) from different habitats. <i>Journal of Experimental Marine Biology and Ecology</i> , 2007 , 351, 226-233	2.1	32
162	Neuro-oxidative damage and aerobic potential loss of sharks under elevated CO ₂ and warming. <i>Marine Biology</i> , 2016 , 163, 1	2.5	31
161	Uptake, transfer and elimination kinetics of paralytic shellfish toxins in common octopus (<i>Octopus vulgaris</i>). <i>Aquatic Toxicology</i> , 2014 , 146, 205-11	5.1	30
160	Impact of ocean warming on the early ontogeny of cephalopods: a metabolic approach. <i>Marine Biology</i> , 2012 , 159, 2051-2059	2.5	30
159	Tissue distribution of the amnesic shellfish toxin, domoic acid, in <i>Octopus vulgaris</i> from the Portuguese coast. <i>Marine Biology</i> , 2004 , 144, 971-976	2.5	30
158	Comparative performance of light emitting plasma (LEP) and light emitting diode (LED) in ex situ aquaculture of scleractinian corals. <i>Aquaculture</i> , 2013 , 402-403, 38-45	4.4	29
157	Photoprotection in sequestered plastids of sea slugs and respective algal sources. <i>Scientific Reports</i> , 2015 , 5, 7904	4.9	29
156	Bioenergetics of small pelagic fishes in upwelling systems: relationship between fish condition, coastal ecosystem dynamics and fisheries. <i>Marine Ecology - Progress Series</i> , 2010 , 410, 205-218	2.6	29
155	Integrating climate change in ocean planning. <i>Nature Sustainability</i> , 2020 , 3, 505-516	22.1	28
154	Physiological and behavioral responses of temperate seahorses (<i>Hippocampus guttulatus</i>) to environmental warming. <i>Marine Biology</i> , 2013 , 160, 2663-2670	2.5	28
153	Physiological responses to depuration and transport of native and exotic clams at different temperatures. <i>Aquaculture</i> , 2013 , 408-409, 136-146	4.4	28
152	Changes in tissue biochemical composition and energy reserves associated with sexual maturation in the ommastrephid squids <i>Illex coindetii</i> and <i>Todaropsis eblanae</i> . <i>Biological Bulletin</i> , 2005 , 208, 100-131 ^{1.5}	1.5	28
151	Marine ornamental fish imports in the European Union: an economic perspective. <i>Fish and Fisheries</i> , 2016 , 17, 459-468	6	28
150	Living in a multi-stressors environment: An integrated biomarker approach to assess the ecotoxicological response of meagre (<i>Argyrosomus regius</i>) to venlafaxine, warming and acidification. <i>Environmental Research</i> , 2019 , 169, 7-25	7.9	27
149	Negative synergistic impacts of ocean warming and acidification on the survival and proteome of the commercial sea bream, <i>Sparus aurata</i> . <i>Journal of Sea Research</i> , 2018 , 139, 50-61	1.9	26
148	Transgenerational deleterious effects of ocean acidification on the reproductive success of a keystone crustacean (<i>Gammarus locusta</i>). <i>Marine Environmental Research</i> , 2018 , 138, 55-64	3.3	24

147	Accumulation, elimination and neuro-oxidative damage under lanthanum exposure in glass eels (<i>Anguilla anguilla</i>). <i>Chemosphere</i> , 2018 , 206, 414-423	8.4	24
146	Ocean cleaning stations under a changing climate: biological responses of tropical and temperate fish-cleaner shrimp to global warming. <i>Global Change Biology</i> , 2014 , 20, 3068-79	11.4	24
145	Tissue biochemical composition in relation to the reproductive cycle of deep-sea decapod <i>Aristeus antennatus</i> in the Portuguese south coast. <i>Journal of the Marine Biological Association of the United Kingdom</i> , 2003 , 83, 963-970	1.1	24
144	Intersexuality in aquatic invertebrates: Prevalence and causes. <i>Science of the Total Environment</i> , 2017 , 592, 714-728	10.2	23
143	Deficit in digestive capabilities of bamboo shark early stages under climate change. <i>Marine Biology</i> , 2016 , 163, 1	2.5	23
142	Portuguese consumers' attitudes and perceptions of bivalve molluscs. <i>Food Control</i> , 2014 , 41, 168-177	6.2	23
141	Ecological biogeography of cephalopod molluscs in the Atlantic Ocean: historical and contemporary causes of coastal diversity patterns. <i>Global Ecology and Biogeography</i> , 2008 , 17, 600-610	6.1	23
140	Detection of domoic acid, the amnesic shellfish toxin, in the digestive gland of <i>Eledone cirrhosa</i> and <i>E. moschata</i> (Cephalopoda, Octopoda) from the Portuguese coast. <i>Aquatic Living Resources</i> , 2005 , 18, 395-400	1.5	22
139	Growth, survival, lipid and fatty acid profile of juvenile monaco shrimp <i>Lysmata seticaudata</i> fed on different diets. <i>Aquaculture Research</i> , 2005 , 36, 493-504	1.9	22
138	World Octopus Fisheries. <i>Reviews in Fisheries Science and Aquaculture</i> , 2019 , 1-151	8.3	22
137	Ecophysiology of native and alien-invasive clams in an ocean warming context. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2014 , 175, 28-37	2.6	21
136	Ventilation rates and activity levels of juvenile jumbo squid under metabolic suppression in the oxygen minimum zone. <i>Journal of Experimental Biology</i> , 2013 , 216, 359-68	3	21
135	Population decline of amphipod <i>Monoporeia affinis</i> in Northern Europe: consequence of food shortage and competition?. <i>Journal of Experimental Marine Biology and Ecology</i> , 2008 , 367, 81-90	2.1	21
134	CHANGES IN ORGAN INDICES AND LIPID DYNAMICS DURING THE REPRODUCTIVE CYCLE OF <i>ARISTEUS ANTENNATUS</i> , <i>PARAPENAEUS LONGIROSTRIS</i> , AND <i>NEPHROPS NORVEGICUS</i> (DECAPODA) FROM THE PORTUGUESE SOUTH COAST. <i>Crustaceana</i> , 2002 , 75, 1095-1105	0.4	21
133	Seahorses under a changing ocean: the impact of warming and acidification on the behaviour and physiology of a poor-swimming bony-armoured fish 2015 , 3, cov009		20
132	Oxidative stress in deep scattering layers: Heat shock response and antioxidant enzymes activities of myctophid fishes thriving in oxygen minimum zones. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2013 , 82, 10-16	2.5	20
131	Development of a Standardized Modular System for Experimental Coral Culture. <i>Journal of the World Aquaculture Society</i> , 2015 , 46, 235-251	2.5	20
130	Beauties and beasts: A portrait of sea slugs aquaculture. <i>Aquaculture</i> , 2013 , 408-409, 1-14	4.4	20

129	Temporal fatty acid dynamics of the octocoral <i>Veretillum cynomorium</i> . <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2012 , 161, 178-87	2.3	19
128	Seasonal changes in nucleic acids, amino acids and protein content in juvenile Norway lobster (<i>Nephrops norvegicus</i>). <i>Marine Biology</i> , 2003 , 143, 565-572	2.5	19
127	Environmental determinants of latitudinal size-trends in cephalopods. <i>Marine Ecology - Progress Series</i> , 2012 , 464, 153-165	2.6	19
126	Spatial-temporal changes in dimethyl acetal (octadecanal) levels of <i>Octopus vulgaris</i> (Mollusca, Cephalopoda): relation to feeding ecology. <i>Scientia Marina</i> , 2004 , 68, 227-236	1.8	19
125	Ocean planning in a changing climate. <i>Nature Geoscience</i> , 2016 , 9, 730-730	18.3	19
124	Cephalopods in the diet of nonbreeding black-browed and grey-headed albatrosses from South Georgia. <i>Polar Biology</i> , 2015 , 38, 631-641	2	18
123	Anthropogenic stressors influence reproduction and development in elasmobranch fishes. <i>Reviews in Fish Biology and Fisheries</i> , 2020 , 30, 373-386	6	17
122	Phytoplankton community-level bio-optical assessment in a naturally mercury contaminated Antarctic ecosystem (Deception Island). <i>Marine Environmental Research</i> , 2018 , 140, 412-421	3.3	17
121	Temporal dynamics of amino and fatty acid composition in the razor clam <i>Ensis siliqua</i> (Mollusca: Bivalvia). <i>Helgoland Marine Research</i> , 2014 , 68, 465-482	1.8	17
120	Coastal versus estuarine nursery grounds: Effect of differential temperature and heat waves on juvenile seabass, <i>Dicentrarchus labrax</i> . <i>Estuarine, Coastal and Shelf Science</i> , 2012 , 109, 133-137	2.9	17
119	Voyage of the argonauts in the pelagic realm: physiological and behavioural ecology of the rare paper nautilus, <i>Argonauta nouryi</i> . <i>ICES Journal of Marine Science</i> , 2010 , 67, 1494-1500	2.7	16
118	Slow pace of life of the Antarctic colossal squid. <i>Journal of the Marine Biological Association of the United Kingdom</i> , 2010 , 90, 1375-1378	1.1	16
117	Biochemical dynamics of spermatogenesis and oogenesis in <i>Eledone cirrhosa</i> and <i>Eledone moschata</i> (Cephalopoda: Octopoda). <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2004 , 139, 299-310	2.3	16
116	Amino and fatty acid dynamics of <i>Lysmata seticaudata</i> (Decapoda: Hippolytidae) embryos during early and late reproductive season. <i>Marine Biology</i> , 2005 , 147, 341-351	2.5	16
115	Reproduction disorders in the benthic amphipod <i>Monoporeia affinis</i> : an effect of low food resources. <i>Aquatic Biology</i> , 2008 , 2, 179-190	2	16
114	Antidepressants in a changing ocean: Venlafaxine uptake and elimination in juvenile fish (<i>Argyrosomus regius</i>) exposed to warming and acidification conditions. <i>Chemosphere</i> , 2018 , 209, 286-297	8.4	16
113	Neurobiological and behavioural responses of cleaning mutualisms to ocean warming and acidification. <i>Scientific Reports</i> , 2019 , 9, 12728	4.9	15
112	Sex differences in oxidative stress responses of tropical topshells (<i>Trochus histrio</i>) to increased temperature and high pCO ₂ . <i>Marine Pollution Bulletin</i> , 2018 , 131, 252-259	6.7	15

111	Absence of cellular damage in tropical newly hatched sharks (<i>Chiloscyllium plagiosum</i>) under ocean acidification conditions. <i>Cell Stress and Chaperones</i> , 2018 , 23, 837-846	4	15
110	Fish energy budget under ocean warming and flame retardant exposure. <i>Environmental Research</i> , 2018 , 164, 186-196	7.9	15
109	Hypoxia tolerance and antioxidant defense system of juvenile jumbo squids in oxygen minimum zones. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2013 , 95, 209-217	2.3	15
108	Global Patterns of Species Richness in Coastal Cephalopods. <i>Frontiers in Marine Science</i> , 2019 , 6,	4.5	14
107	Short-term effects of increased temperature and lowered pH on a temperate grazer-seaweed interaction (<i>Littorina obtusata</i> / <i>Ascophyllum nodosum</i>). <i>Estuarine, Coastal and Shelf Science</i> , 2017 , 197, 35-44	2.9	14
106	Providing a common diet to different marine decapods does not standardize the fatty acid profiles of their larvae: a warning sign for experimentation using invertebrate larvae produced in captivity. <i>Marine Biology</i> , 2010 , 157, 2427-2434	2.5	14
105	Trace element concentrations in the top predator jumbo squid (<i>Dosidicus gigas</i>) from the Gulf of California. <i>Ecotoxicology and Environmental Safety</i> , 2014 , 102, 179-86	7	13
104	Unravelling polar lipids dynamics during embryonic development of two sympatric brachyuran crabs (<i>Carcinus maenas</i> and <i>Necora puber</i>) using lipidomics. <i>Scientific Reports</i> , 2015 , 5, 14549	4.9	13
103	Bioaccumulation and ecotoxicological responses of juvenile white seabream (<i>Diplodus sargus</i>) exposed to triclosan, warming and acidification. <i>Environmental Pollution</i> , 2019 , 245, 427-442	9.3	13
102	Climate-driven deoxygenation elevates fishing vulnerability for the ocean's widest ranging shark. <i>ELife</i> , 2021 , 10,	8.9	13
101	Reproduction and respiration of a climate change indicator species: effect of temperature and variable food in the copepod <i>Centropages chierchiae</i> . <i>Journal of Plankton Research</i> , 2013 , 35, 1046-1058 ^{2.2}		12
100	Anesthetizing solar-powered sea slugs for photobiological studies. <i>Biological Bulletin</i> , 2012 , 223, 328-361.5		12
99	Expanding conservation culturomics and iEcology from terrestrial to aquatic realms. <i>PLoS Biology</i> , 2020 , 18, e3000935	9.7	12
98	Habitat selection disruption and lateralization impairment of cryptic flatfish in a warm, acid, and contaminated ocean. <i>Marine Biology</i> , 2016 , 163, 1	2.5	12
97	Seabream Larval Physiology under Ocean Warming and Acidification. <i>Fishes</i> , 2020 , 5, 1	2.5	11
96	Protein analysis and gene expression indicate differential vulnerability of Iberian fish species under a climate change scenario. <i>PLoS ONE</i> , 2017 , 12, e0181325	3.7	11
95	Microbiological composition of native and exotic clams from Tagus estuary: effect of season and environmental parameters. <i>Marine Pollution Bulletin</i> , 2013 , 74, 116-24	6.7	11
94	Seasonal patterns of nucleic acid concentrations and amino acid profiles of <i>Parapenaeus longirostris</i> (Crustacea, Decapoda): relation to growth and nutritional condition. <i>Hydrobiologia</i> , 2005 , 537, 207-216	2.4	11

93	Gone with the wind Fatty acid biomarkers and chemotaxonomy of stranded pleustonic hydrozoans (Velella velella and Physalia physalis). <i>Biochemical Systematics and Ecology</i> , 2016 , 66, 297-306 ^{1.4}	11
92	Different ecophysiological responses of freshwater fish to warming and acidification. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2018 , 216, 34-41	2.6 11
91	Biology and ecology of the world's largest invertebrate, the colossal squid (Mesonychoteuthis hamiltoni): a short review. <i>Polar Biology</i> , 2017 , 40, 1871-1883	2 10
90	Impaired fish swimming performance following dietary exposure to the marine phycotoxin okadaic acid. <i>Toxicon</i> , 2020 , 179, 53-59	2.8 10
89	Contrasting impacts of climate change across seasons: effects on flatfish cohorts. <i>Regional Environmental Change</i> , 2013 , 13, 853-859	4.3 10
88	Contrasting light spectra constrain the macro and microstructures of scleractinian corals. <i>PLoS ONE</i> , 2014 , 9, e105863	3.7 10
87	Caught in the Act: How the U.S. Lacey Act Can Hamper the Fight Against Cyanide Fishing in Tropical Coral Reefs. <i>Conservation Letters</i> , 2014 , 7, 561-564	6.9 10
86	RNA, DNA and protein concentrations and amino acid profiles of deep-sea decapod <i>Aristeus antennatus</i> : An indication for seasonal variations of nutrition and growth. <i>Aquatic Living Resources</i> , 2004 , 17, 25-30	1.5 10
85	Transgenerational exposure to ocean acidification induces biochemical distress in a keystone amphipod species (<i>Gammarus locusta</i>). <i>Environmental Research</i> , 2019 , 170, 168-177	7.9 10
84	Aquaculture of marine non-food organisms: what, why and how?. <i>Reviews in Aquaculture</i> , 2018 , 10, 400-423	4.3 9
83	Hypercapnia-induced disruption of long-distance mate-detection and reduction of energy expenditure in a coastal keystone crustacean. <i>Physiology and Behavior</i> , 2018 , 195, 69-75	3.5 9
82	Effects of acute waterborne exposure to harmful algal toxin domoic acid on foraging and swimming behaviours of fish early stages. <i>Toxicon</i> , 2018 , 156, 66-71	2.8 9
81	Ocean warming and acidification may challenge the riverward migration of glass eels. <i>Biology Letters</i> , 2019 , 15, 20180627	3.6 8
80	Synergistic Effects of Ocean Warming and Cyanide Poisoning in an Ornamental Tropical Reef Fish. <i>Frontiers in Marine Science</i> , 2020 , 7,	4.5 8
79	Physiological resilience of a temperate soft coral to ocean warming and acidification. <i>Cell Stress and Chaperones</i> , 2018 , 23, 1093-1100	4 8
78	Microbiological responses to depuration and transport of native and exotic clams at optimal and stressful temperatures. <i>Food Microbiology</i> , 2013 , 36, 365-73	6 8
77	Reproduction in Octocorallia: Synchronous spawning and asynchronous oogenesis in the pennatulid <i>Veretillum cynomorium</i> . <i>Marine Biology Research</i> , 2012 , 8, 893-900	1 8
76	Descending into the abyss: Bathymetric patterns of diversity in decapod crustaceans shift with taxonomic level and life strategies. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2012 , 64, 9-21	2.5 8

75	Physiological and biochemical effects of conjugated linoleic acid and its use in aquaculture. <i>Reviews in Aquaculture</i> , 2010 , 2, 59-72	8.9	8
74	Distribution, abundance, biology and biochemistry of the stout bobtail squid <i>Rossia macrosoma</i> from the Portuguese coast and. <i>Marine Biology Research</i> , 2006 , 2, 14-23	1	8
73	The past, present and future of cleaner fish cognitive performance as a function of CO levels. <i>Biology Letters</i> , 2019 , 15, 20190618	3.6	8
72	Will seabass (<i>Dicentrarchus labrax</i>) quality change in a warmer ocean?. <i>Food Research International</i> , 2017 , 97, 27-36	7	7
71	White but not bleached: photophysiological evidence from white <i>Montastraea cavernosa</i> reveals potential overestimation of coral bleaching. <i>Marine Biology</i> , 2015 , 162, 889-899	2.5	7
70	Cuttlefish capsule: An effective shield against contaminants in the wild. <i>Chemosphere</i> , 2015 , 135, 7-13	8.4	7
69	Photobiology of the zoanthid <i>Zoanthus sociatus</i> in intertidal and subtidal habitats. <i>Marine and Freshwater Research</i> , 2016 , 67, 1991	2.2	7
68	Eastern rockhopper penguins <i>Eudyptes filholi</i> as biological samplers of juvenile and sub-adult cephalopods around Campbell Island, New Zealand. <i>Polar Biology</i> , 2018 , 41, 1937-1949	2	7
67	First indication of deleterious impacts in white-seabream larvae (<i>Diplodus sargus</i>) survival and behaviour following acute venlafaxine exposure. <i>Ecotoxicology</i> , 2019 , 28, 612-618	2.9	6
66	Amino and fatty acid dynamics of octopus (<i>Octopus vulgaris</i>) early life stages under ocean warming. <i>Journal of Thermal Biology</i> , 2016 , 55, 30-38	2.9	6
65	Laboratory trials reveal that exposure to extreme raining events prior to metamorphosis affect the post-settlement performance of an estuarine crab. <i>Estuarine, Coastal and Shelf Science</i> , 2015 , 154, 179-189	2.9	6
64	Contrasting oceanographic conditions during larval development influence the benthic performance of a marine invertebrate with a bi-phasic life cycle. <i>Marine Ecology - Progress Series</i> , 2016 , 546, 135-146	2.6	6
63	Reduced impact of ocean acidification on growth and swimming performance of newly hatched tropical sharks (<i>Chiloscyllium plagiosum</i>). <i>Marine and Freshwater Behaviour and Physiology</i> , 2018 , 51, 347-357	1.1	6
62	Mercury in Juvenile <i>Solea senegalensis</i> : Linking Bioaccumulation, Seafood Safety, and Neuro-Oxidative Responses under Climate Change-Related Stressors. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 1993	2.6	5
61	Effect of tidal environment on the trophic balance of mixotrophic hexacorals using biochemical profile and photochemical performance as indicators. <i>Marine Environmental Research</i> , 2018 , 135, 55-62	3.3	5
60	Variable within-brood maternal provisioning in newly extruded embryos of <i>Homarus gammarus</i> . <i>Marine Biology</i> , 2013 , 160, 763-772	2.5	5
59	Bathymetric range, density and reproductive biology of the deep-sea cirrate octopus <i>Opisthoteuthis calypso</i> in the Portuguese continental slope. <i>Journal of the Marine Biological Association of the United Kingdom</i> , 2009 , 89, 131-134	1.1	5
58	Mediterranean Aquaculture in a Changing Climate 2014 , 605-616		5

57	Lack of oxidative damage on temperate juvenile catsharks after a long-term ocean acidification exposure. <i>Marine Biology</i> , 2020 , 167, 1	2.5	5
56	Impact of air exposure on the photobiology and biochemical profile of an aggressive intertidal competitor, the zoanthid <i>Palythoa caribaeorum</i> . <i>Marine Biology</i> , 2016 , 163, 1	2.5	5
55	Presence and persistence of the amnesic shellfish poisoning toxin, domoic acid, in octopus and cuttlefish brains. <i>Marine Environmental Research</i> , 2018 , 133, 45-48	3.3	5
54	Climate change impacts on the distribution of coastal lobsters. <i>Marine Biology</i> , 2018 , 165, 1	2.5	5
53	Ocean Acidification Does Not Affect Fish Ectoparasite Survival. <i>Oceans</i> , 2020 , 1, 27-33	1.3	4
52	Impact of a simulated marine heatwave in the hematological profile of a temperate shark (<i>Scyliorhinus canicula</i>). <i>Ecological Indicators</i> , 2020 , 114, 106327	5.8	4
51	Hypoxia-driven selective degradation of cellular proteins in jumbo squids during diel migration to the oxygen minimum zones. <i>Marine Biology</i> , 2014 , 161, 575-584	2.5	4
50	Thermal sensitivity of native and invasive seabreams. <i>Marine Ecology</i> , 2014 , 35, 292-297	1.4	4
49	3D chemoecology and chemotaxonomy of corals using fatty acid biomarkers: Latitude, longitude and depth. <i>Biochemical Systematics and Ecology</i> , 2017 , 70, 35-42	1.4	4
48	Effects of elevated carbon dioxide on the hematological parameters of a temperate catshark. <i>Journal of Experimental Zoology Part A: Ecological and Integrative Physiology</i> , 2020 , 333, 126-132	1.9	4
47	Body size and season influence elemental composition of tissues in ocean sunfish <i>Mola mola</i> juveniles. <i>Chemosphere</i> , 2019 , 223, 714-722	8.4	4
46	Deep-sea seven-arm octopus hijacks jellyfish in shallow waters. <i>Marine Biodiversity</i> , 2019 , 49, 495-499	1.4	4
45	Bacterial communities from corals cultured ex situ remain stable under different light regimes □ Relevance for in toto aquaculture. <i>Aquaculture</i> , 2016 , 450, 258-261	4.4	3
44	Snails, Slugs and Cephalopods 2017 , 536-563		3
43	Effect of Maternal Size, Reproductive Season and Interannual Variability in Offspring Provisioning of <i>Carcinus maenas</i> in a Coastal Lagoon. <i>Estuaries and Coasts</i> , 2017 , 40, 1732-1743	2.8	3
42	Performance and herbivory of the tropical topshell <i>Trochus histrio</i> under short-term temperature increase and high CO. <i>Marine Pollution Bulletin</i> , 2019 , 138, 295-301	6.7	3
41	Small pelagics in a changing ocean: biological responses of sardine early stages to warming 2016 , 4, cow017		3
40	Cuttlefish Early Development and Behavior Under Future High CO Conditions. <i>Frontiers in Physiology</i> , 2019 , 10, 975	4.6	3

39	Trophic and reproductive biochemistry of a deep-sea gelatinous octopus, <i>Opisthoteuthis calypso</i> . <i>Marine Biology</i> , 2013 , 160, 263-275	2.5	3
38	Distribution, abundance, reproduction and ageing of the common bobtail squid <i>Sepietta oweniana</i> (Sepiolidae, Cephalopoda) from the Portuguese Coast. <i>Marine Biology Research</i> , 2012 , 8, 74-86	1	3
37	Occurrence of basking shark <i>Cetorhinus maximus</i> in southern Portuguese waters: a two-decade survey. <i>Marine Ecology - Progress Series</i> , 2017 , 564, 77-86	2.6	3
36	Seafood Safety and Human Health Implications 2014 , 589-603		3
35	Neurally underdeveloped cuttlefish newborns exhibit social learning. <i>Animal Cognition</i> , 2021 , 24, 23-32	3.1	3
34	Octopuses punch fishes during collaborative interspecific hunting events. <i>Ecology</i> , 2021 , 102, e03266	4.6	3
33	Elasmobranch Responses to Experimental Warming, Acidification, and Oxygen LossA Meta-Analysis. <i>Frontiers in Marine Science</i> , 2021 , 8,	4.5	3
32	Assessing the Behavioural Responses of Small Cetaceans to Unmanned Aerial Vehicles. <i>Remote Sensing</i> , 2021 , 13, 156	5	3
31	The role of corals on the abundance of a fish ectoparasite in the Great Barrier Reef. <i>Coral Reefs</i> , 2021 , 40, 535-542	4.2	3
30	Cuttlefish Buoyancy in Response to Food Availability and Ocean Acidification. <i>Biology</i> , 2020 , 9,	4.9	2
29	Smooth hammerhead sharks (<i>Sphyrna zygaena</i>) observed off the Portuguese southern coast. <i>Environmental Biology of Fishes</i> , 2018 , 101, 1261-1268	1.6	2
28	Stylet (vestigial shell) size in <i>Octopus vulgaris</i> (Cephalopoda) hatchlings used to determine stylet nucleus in adults. <i>Journal of the Marine Biological Association of the United Kingdom</i> , 2015 , 95, 1237-1243 ^{1.1}		2
27	Distribution and reproductive biology of the lentil bobtail squid, <i>Rondeletiola minor</i> (Cephalopoda: Sepiolidae) from the Portuguese Atlantic Coast. <i>Marine Biology Research</i> , 2013 , 9, 802-808	1	2
26	Amino acids in the octocoral <i>Veretillum cynomorium</i> : the effect of seasonality and differences from scleractinian hexacorals. <i>Journal of the Marine Biological Association of the United Kingdom</i> , 2013 , 93, 913-918	1.1	2
25	First recorded specimen of the giant squid <i>Architeuthis</i> sp. in Portugal. <i>Journal of the Marine Biological Association of the United Kingdom</i> , 2005 , 85, 175-176	1.1	2
24	Impact of climate change on the ontogenetic development of Bolar-poweredSea slugs. <i>Marine Ecology - Progress Series</i> , 2017 , 578, 87-97	2.6	2
23	Stomach content analysis in cephalopods: past research, current challenges, and future directions. <i>Reviews in Fish Biology and Fisheries</i> , 2021 , 31, 505-522	6	2
22	Impaired antioxidant defenses and DNA damage in the European glass eel (<i>Anguilla anguilla</i>) exposed to ocean warming and acidification. <i>Science of the Total Environment</i> , 2021 , 774, 145499	10.2	2

21	Fatty Acids of Densely Packed Embryos of <i>Carcinus maenas</i> Reveal Homogeneous Maternal Provisioning and No Within-Brood Variation at Hatching. <i>Biological Bulletin</i> , 2016 , 230, 120-9	1.5	2
20	Nudibranchs out of water: long-term temporal variations in the abundance of two <i>Dendrodoris</i> species under emersion. <i>Helgoland Marine Research</i> , 2018 , 72,	1.8	2
19	Location probing by males complicates sexual dynamics and successful mate-guarding in squid groups. <i>Ecology</i> , 2021 , 102, e03529	4.6	2
18	Regional patterns of C and N for European common cuttlefish () throughout the Northeast Atlantic Ocean and Mediterranean Sea. <i>Royal Society Open Science</i> , 2021 , 8, 210345	3.3	2
17	Written in ink: Elemental signatures in octopus ink successfully trace geographical origin. <i>Journal of Food Composition and Analysis</i> , 2022 , 109, 104479	4.1	2
16	Stenophagy as a Pathway for the Occurrence of Unique Coral Fatty Acid Biomarkers in Higher Branches of the Marine Tree of Life: The Nudibranch <i>Armina maculata</i> Case. <i>Ocean Science Journal</i> , 2019 , 54, 297-305	1.1	1
15	Bioaccumulation of Trace Elements in Myctophids in the Oxygen Minimum Zone Ecosystem of the Gulf of California. <i>Oceans</i> , 2020 , 1, 34-46	1.3	1
14	Unresolved Questions About Ocean Sunfishes, Molidae 2020 , 280-295		1
13	Natural geochemical markers reveal environmental history and population connectivity of common cuttlefish in the Atlantic Ocean and Mediterranean Sea. <i>Journal of the Royal Society Interface</i> , 2020 , 17, 20200309	4.1	1
12	Oceanographic Determinants of the Abundance of Common Dolphins (<i>Delphinus delphis</i>) in the South of Portugal. <i>Oceans</i> , 2020 , 1, 165-173	1.3	1
11	Rare earth and trace elements in deep-sea sponges of the North Atlantic. <i>Marine Pollution Bulletin</i> , 2021 , 166, 112217	6.7	1
10	Oceanic Diel Vertical Movement Patterns of Blue Sharks Vary With Water Temperature and Productivity to Change Vulnerability to Fishing. <i>Frontiers in Marine Science</i> , 2021 , 8,	4.5	1
9	Distinct Bleaching Resilience of Photosynthetic Plastid-Bearing Mollusks Under Thermal Stress and High CO Conditions. <i>Frontiers in Physiology</i> , 2018 , 9, 1675	4.6	1
8	Dwarf eelgrass (<i>Zostera noltii</i>) fatty acid remodelling induced by climate change. <i>Estuarine, Coastal and Shelf Science</i> , 2021 , 261, 107546	2.9	1
7	Seasonal variations in the abundance and body size distribution of the ocean sunfish <i>Mola mola</i> in coastal waters off southern Portugal. <i>Journal of the Marine Biological Association of the United Kingdom</i> , 2019 , 99, 1197-1203	1.1	0
6	Cephalopod fauna of the Pacific Southern Ocean using Antarctic toothfish (<i>Dissostichus mawsoni</i>) as biological samplers and fisheries bycatch specimens. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2021 , 174, 103571	2.5	0
5	Ocean Acidification Alleviates Dwarf Eelgrass (<i>Zostera noltii</i>) Lipid Landscape Remodeling under Warming Stress. <i>Biology</i> , 2022 , 11, 780	4.9	0
4	Symposium on Climate Change and Molluscan Ecophysiology at the 79th Annual Meeting of the American Malacological Society. <i>American Malacological Bulletin</i> , 2015 , 33, 121-126	0.2	

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2 Biotoxins, Trace Elements, and Microplastics in the Ocean Sunfishes (Molidae) **2020**, 186-215

1 Tissue and gender-related differences in the elemental composition of juvenile ocean sunfish (*Mola* spp.). *Chemosphere*, **2021**, 272, 129131

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