H-O PÃ¶rtner

List of Publications by Year
in descending order

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377 papers	34,833 citations	5574 82 h-index	4774 169 g-index
390 all docs	390 docs citations	390 times ranked	19249 citing authors

#	Article	IF	Citations
1	How do we best synergize climate mitigation actions to coâ€benefit biodiversity?. Global Change Biology, 2022, 28, 2555-2577.	9.5	28
2	Actions to halt biodiversity loss generally benefit the climate. Global Change Biology, 2022, 28, 2846-2874.	9.5	51
3	Reply to: methodological inconsistencies define thermal bottlenecks in fish life cycle. Evolutionary Ecology, 2022, 36, 293-298.	1.2	6
4	Governing for Transformative Change across the Biodiversityâ€“Climateâ€“Society Nexus. BioScience, 2022, 72, 684-704.	4.9	48
5	Sea level rise risks and societal adaptation benefits in low-lying coastal areas. Scientific Reports, 2022, 12, .	3.3	44
6	Impacts of hypoxic events surpass those of future ocean warming and acidification. Nature Ecology and Evolution, 2021, 5, 311-321.	7.8	116
7	Thermal reaction norms of key metabolic enzymes reflect divergent physiological and behavioral adaptations of closely related amphipod species. Scientific Reports, 2021, 11, 4562.	3.3	7
8	Climate impacts on organisms, ecosystems and human societies: integrating OCLTT into a wider context. Journal of Experimental Biology, 2021, 224, .	1.7	40
9	Ideas and perspectives: When ocean acidification experiments are not the same, repeatability is not tested. Biogeosciences, 2021, 18, 1787-1792.	3.3	5
10	Exploring the role of temperature in observed inter-population differences of Atlantic cod (Gadus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 1519-1529.	2.5	0
11	A framework for complex climate change risk assessment. One Earth, 2021, 4, 489-501.	6.8	244
12	Low annual temperature likely prevents the Holarctic amphipod Gammarus lacustris from invading Lake Baikal. Scientific Reports, 2021, 11, 10532.	3.3	5
13	Heat hardening enhances mitochondrial potential for respiration and oxidative defence capacity in the mantle of thermally stressed Mytilus galloprovincialis. Scientific Reports, 2021, 11, 17098.	3.3	22
14	Estimating the global risk of anthropogenic climate change. Nature Climate Change, 2021, 11, 879-885.	18.8	65
15	Impact of ocean acidification and warming on mitochondrial enzymes and membrane lipids in two Gadoid species. Polar Biology, 2020, 43, 1109-1120.	1.2	7
16	Transcriptome-level effects of the model organic pollutant phenanthrene and its solvent acetone in three amphipod species. Comparative Biochemistry and Physiology Part D: Genomics and Proteomics, 2020, 33, 100630.	1.0	2
17	A Roadmap for Using the UN Decade of Ocean Science for Sustainable Development in Support of Science, Policy, and Action. One Earth, 2020, 2, 34-42.	6.8	191
18	Different sensitivity to heatwaves across the life cycle of fish reflects phenotypic adaptation to environmental niche. Marine Environmental Research, 2020, 162, 105192.	2.5	19

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19	Burning embers: towards more transparent and robust climate-change risk assessments. Nature Reviews Earth & Environment, 2020, 1, 516-529.	29.7	29
20	Advances in understanding the impacts of global warming on marine fishes farmed offshore:Sparus aurataas a case study. Journal of Fish Biology, 2020, 98, 1509-1523.	1.6	13
21	Integrating climate change in ocean planning. Nature Sustainability, 2020, 3, 505-516.	23.7	83
22	Fish embryo vulnerability to combined acidification and warming coincides with low capacity for homeostatic regulation. Journal of Experimental Biology, 2020, 223, .	1.7	26
23	Thermal bottlenecks in the life cycle define climate vulnerability of fish. Science, 2020, 369, 65-70.	12.6	373
24	Marine clade sensitivities to climate change conform across timescales. Nature Climate Change, 2020, 10, 249-253.	18.8	32
25	Thermal performance of the European flat oyster, Ostrea edulis (Linnaeus, 1758)â€”explaining ecological findings under climate change. Marine Biology, 2020, 167, 1.	1.5	47
26	Single and combined effects of the â€œDeadly trioâ€•hypoxia, hypercapnia and warming on the cellular metabolism of the great scallop Pecten maximus. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2020, 243-244, 110438.	1.6	20
27	Energetic, antioxidant, inflammatory and cell death responses in the red muscle of thermally stressed Sparus aurata. Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 2020, 190, 403-418.	1.5	16
28	Non-invasive MRI Studies of Ventilatory and Cardiovascular Performance in Edible Crabs Cancer pagurus During Warming Under Elevated CO2 Levels. Frontiers in Physiology, 2020, 11, 596529.	2.8	1
29	The human imperative of stabilizing global climate change at 1.5Â°C. Science, 2019, 365, .	12.6	498
30	Comparison between transcriptomic responses to short-term stress exposures of a common Holarctic and endemic Lake Baikal amphipods. BMC Genomics, 2019, 20, 712.	2.8	17
31	STC1 and PTHrP Modify Carbohydrate and Lipid Metabolism in Liver of a Teleost Fish. Scientific Reports, 2019, 9, 723.	3.3	8
32	Studying the cardiovascular system of a marine crustacean with magnetic resonance imaging at 9.4ÂT. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2019, 32, 567-579.	2.0	2
33	In vivo 31P-MRS of muscle bioenergetics in marine invertebrates: Future ocean limits scallops' performance. Magnetic Resonance Imaging, 2019, 61, 239-246.	1.8	6
34	De novo transcriptome assembly and gene expression profile of thermally challenged green abalone (Haliotis fulgens: Gastropoda) under acute hypoxia and hypercapnia. Marine Genomics, 2019, 45, 48-56.	1.1	15
35	Non-invasive quantification of cardiac stroke volume in the edible crab Cancer pagurus. Frontiers in Zoology, 2019, 16, 46.	2.0	2
36	Assessment of muscular energy metabolism and heat shock response of the green abalone Haliotis fulgens (Gastropoda: Philipi) at extreme temperatures combined with acute hypoxia and hypercapnia. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2019, 227, 1-11.	1.6	19

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37	Experimental strategies to assess the biological ramifications of multiple drivers of global ocean changeâ€"A review. Global Change Biology, 2018, 24, 2239-2261.	9.5	285
38	Ocean acidification but not warming alters sex determination in the Sydney rock oyster, Saccostrea glomerata. Proceedings of the Royal Society B: Biological Sciences, 2018, 285, 20172869.	2.6	24
39	Seasonal Changes in Metabolism and Cellular Stress Phenomena in the Gilthead Sea Bream (Sparus) Tj ETQq1 1 0.784314 rgBT /O	1.5	22
40	Sensitivity to ocean acidification differs between populations of the Sydney rock oyster: Role of filtration and ion-regulatory capacities. Marine Environmental Research, 2018, 135, 103-113.	2.5	13
41	Untargeted metabolic profiling reveals distinct patterns of thermal sensitivity in two related notothenioids. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2018, 217, 43-54.	1.8	13
42	Connecting to ecology: a challenge for comparative physiologists? Response to â€˜Oxygen- and capacity-limited thermal tolerance: blurring ecology and physiologyâ€™. Journal of Experimental Biology, 2018, 221, .	1.7	38
43	Forecasting future recruitment success for Atlantic cod in the warming and acidifying Barents Sea. Global Change Biology, 2018, 24, 526-535.	9.5	26
44	Northern cod species face spawning habitat losses if global warming exceeds 1.5Â°C. Science Advances, 2018, 4, eaas8821.	10.3	50
45	Comparison of Aerobic Scope for Metabolic Activity in Aquatic Ectotherms With Temperature Related Metabolic Stimulation: A Novel Approach for Aerobic Power Budget. Frontiers in Physiology, 2018, 9, 1438.	2.8	35
46	Impact of Ocean Acidification and Warming on the bioenergetics of developing eggs of Atlantic herring Clupea harengus. , 2018, 6, coy050.		27
47	Ocean Solutions to Address Climate Change and Its Effects on Marine Ecosystems. Frontiers in Marine Science, 2018, 5, .	2.5	248
48	Aerobic capacities and swimming performance of Polar cod (Boreogadus saida Lepechin) under ocean acidification and warming conditions. Journal of Experimental Biology, 2018, 221, .	1.7	20
49	Elevated pCO2 Affects Feeding Behavior and Acute Physiological Response of the Brown Crab Cancer pagurus. Frontiers in Physiology, 2018, 9, 1164.	2.8	29
50	Water bicarbonate modulates the response of the shore crab Carcinus maenas to ocean acidification. Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 2018, 188, 749-764.	1.5	19
51	CO₂ induced pH_i changes in the brain of polar fish: a TauCEST application. NMR in Biomedicine, 2018, 31, e3955.	2.8	4
52	Impact of ocean acidification on thermal tolerance and acidâ€"base regulation of Mytilus edulis from the White Sea. Polar Biology, 2018, 41, 2261-2273.	1.2	3
53	Does the membrane pacemaker theory of metabolism explain the size dependence of metabolic rate in marine mussels?. Journal of Experimental Biology, 2017, 220, 1423-1434.	1.7	6
54	Uptake Kinetics and Subcellular Compartmentalization Explain Lethal but Not Sublethal Effects of Cadmium in Two Closely Related Amphipod Species. Environmental Science & Technology, 2017, 51, 7208-7218.	10.0	16

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55	Do drivers of biodiversity change differ in importance across marine and terrestrial systems â€" Or is it just different research communities' perspectives?. Science of the Total Environment, 2017, 574, 191-203.	8.0	32
56	Intra-population variability of ocean acidification impacts on the physiology of Baltic blue mussels (Mytilus edulis): integrating tissue and organism response. Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 2017, 187, 529-543.	1.5	21
57	Antioxidant response of the hard shelled mussel Mytilus coruscus exposed to reduced pH and oxygen concentration. Ecotoxicology and Environmental Safety, 2017, 137, 94-102.	6.0	59
58	IPCC reasons for concern regarding climate change risks. Nature Climate Change, 2017, 7, 28-37.	18.8	266
59	Metabolic response and thermal tolerance of green abalone juveniles (Haliotis fulgens: Gastropoda) under acute hypoxia and hypercapnia. Journal of Experimental Marine Biology and Ecology, 2017, 497, 11-18.	1.5	40
60	Ocean acidification narrows the acute thermal and salinity tolerance of the Sydney rock oyster Saccostrea glomerata. Marine Pollution Bulletin, 2017, 122, 263-271.	5.0	57
61	Exposure history determines pteropod vulnerability to ocean acidification along the US West Coast. Scientific Reports, 2017, 7, 4526.	3.3	66
62	Oxygen- and capacity-limited thermal tolerance: bridging ecology and physiology. Journal of Experimental Biology, 2017, 220, 2685-2696.	1.7	410
63	Mitochondrial acclimation potential to ocean acidification and warming of Polar cod (Boreogadus) Tj ETQq1 1 0.784314 rgBT /Overlo	2.0	45
64	Effects of ocean acidification increase embryonic sensitivity to thermal extremes in Atlantic cod, Gadus morhua. Global Change Biology, 2017, 23, 1499-1510.	9.5	50
65	Differences in neurochemical profiles of two gadid species under ocean warming and acidification. Frontiers in Zoology, 2017, 14, 49.	2.0	19
66	Impact of ocean warming and acidification on the behaviour of two co-occurring gadid species, Boreogadus saida and Gadus morhua, from Svalbard. Marine Ecology - Progress Series, 2017, 571, 183-191.	1.9	26
67	Thermal Preference Ranges Correlate with Stable Signals of Universal Stress Markers in Lake Baikal Endemic and Holarctic Amphipods. PLoS ONE, 2016, 11, e0164226.	2.5	30
68	Modelling climate change impacts on marine fish populations: processâ€based integration of ocean warming, acidification and other environmental drivers. Fish and Fisheries, 2016, 17, 972-1004.	5.3	115
69	Lake Baikal amphipods under climate change: thermalÂconstraintsÂand ecological consequences. Ecosphere, 2016, 7, e01308.	2.2	49
70	Can respiratory physiology predict thermal niches?. Annals of the New York Academy of Sciences, 2016, 1365, 73-88.	3.8	65
71	Impacts of Climate Variability and Change on (Marine) Animals: Physiological Underpinnings and Evolutionary Consequences. Integrative and Comparative Biology, 2016, 56, 31-44.	2.0	44
72	The trade-off between heat tolerance and metabolic cost drives the bimodal life strategy at the air-water interface. Scientific Reports, 2016, 6, 19158.	3.3	35

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73	New encounters in Arctic waters: a comparison of metabolism and performance of polar cod (Boreogadus saida) and Atlantic cod (Gadus morhua) under ocean acidification and warming. Polar Biology, 2016, 39, 1137-1153.	1.2	51
74	Implications of the Paris agreement for the ocean. Nature Climate Change, 2016, 6, 732-735.	18.8	50
75	Foraging behaviour, swimming performance and malformations of early stages of commercially important fishes under ocean acidification and warming. Climatic Change, 2016, 137, 495-509.	3.6	56
76	Combined effects of short-term exposure to elevated CO 2 and decreased O 2 on the physiology and energy budget of the thick shell mussel Mytilus coruscus. Chemosphere, 2016, 155, 207-216.	8.2	59
77	Microsatellite markers for the notothenioid fish Lepidonotothen nudifrons and two congeneric species. BMC Research Notes, 2016, 9, 238.	1.4	8
78	Thermal growth potential of Atlantic cod by the end of the 21st century. Global Change Biology, 2016, 22, 4162-4168.	9.5	19
79	Biological Impacts of Thermal Extremes: Mechanisms and Costs of Functional Responses Matter. Integrative and Comparative Biology, 2016, 56, 73-84.	2.0	95
80	Integrated studies of organismal plasticity through physiological and transcriptomic approaches: examples from marine polar regions. Briefings in Functional Genomics, 2016, 15, 365-372.	2.7	3
81	Adjustments of molecular key components of branchial ion and pH regulation in Atlantic cod (Gadus) Tj ETQq1 1 0.784314 rgBT /Ove Biochemistry and Molecular Biology, 2016, 193, 33-46.	1.6	26
82	Response of branchial Na+/K+ ATPase to changes in ambient temperature in Atlantic cod (Gadus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 3 Systemic, and Environmental Physiology, 2016, 186, 461-470.	1.5	6
83	Persistence of Positive Carryover Effects in the Oyster, Saccostrea glomerata, following Transgenerational Exposure to Ocean Acidification. PLoS ONE, 2015, 10, e0132276.	2.5	145
84	Oxidative Stress and Digestive Enzyme Activity of Flatfish Larvae in a Changing Ocean. PLoS ONE, 2015, 10, e0134082.	2.5	87
85	Climate change tightens a metabolic constraint on marine habitats. Science, 2015, 348, 1132-1135.	12.6	547
86	Differential impacts of elevated CO 2 and acidosis on the energy budget of gill and liver cells from Atlantic cod, Gadus morhua. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2015, 187, 160-167.	1.8	20
87	Ocean warming and acidification modulate energy budget and gill ion regulatory mechanisms in Atlantic cod (Gadus morhua). Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 2015, 185, 767-781.	1.5	39
88	Impact of long-term moderate hypercapnia and elevated temperature on the energy budget of isolated gills of Atlantic cod (Gadus morhua). Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2015, 182, 102-112.	1.8	16
89	Physiological ecology meets climate change. Ecology and Evolution, 2015, 5, 1025-1030.	1.9	138
90	Synergistic effects of acute warming and low pH on cellular stress responses of the gilthead seabream Sparus aurata. Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 2015, 185, 185-205.	1.5	43

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91	Metabolic efficiency in yeast Saccharomyces cerevisiae in relation to temperature dependent growth and biomass yield. Journal of Thermal Biology, 2015, 52, 117-129.	2.5	36
92	Professor Helen P. Laburn Ph.D. FRSSAf, 1951â€“2014. Journal of Thermal Biology, 2015, 51, 126-127.	2.5	0
93	A first insight into the spleen transcriptome of the notothenioid fish Lepidonotothen nudifrons: Resource description and functional overview. Marine Genomics, 2015, 24, 237-239.	1.1	14
94	Contrasting futures for ocean and society from different anthropogenic CO ₂ emissions scenarios. Science, 2015, 349, aac4722.	12.6	1,059
95	Differential physiological responses to oxygen availability in early life stages of decapods developing in distinct environments. Marine Biology, 2015, 162, 1111-1124.	1.5	19
96	Blue blood on ice: modulated blood oxygen transport facilitates cold compensation and eurythermy in an Antarctic octopod. Frontiers in Zoology, 2015, 12, 6.	2.0	15
97	Impact of ocean acidification on thermal tolerance and acidâ€“base regulation of Mytilus edulis (L.) from the North Sea. Journal of Experimental Marine Biology and Ecology, 2015, 473, 16-25.	1.5	46
98	Impact of ocean acidification and warming on the Mediterranean mussel (Mytilus galloprovincialis). Frontiers in Marine Science, 2014, 1, .	2.5	68
99	How and how not to investigate the oxygen and capacity limitation of thermal tolerance (OCLTT) and aerobic scope â€“ remarks on the article by GrÃ¤ns et al.. Journal of Experimental Biology, 2014, 217, 4432-4433.	1.7	42
100	Gene expression profiling in gills of the great spider crab Hyas araneus in response to ocean acidification and warming. BMC Genomics, 2014, 15, 789.	2.8	70
101	Stress response or beneficial temperature acclimation: transcriptomic signatures in <scp>A</scp>ntarctic fish (<scp>P</scp>achycara brachycephalum). Molecular Ecology, 2014, 23, 3469-3482.	3.9	72
102	Escape performance of temperate king scallop, Pecten maximus under ocean warming and acidification. Marine Biology, 2014, 161, 2819-2829.	1.5	27
103	Temperature tolerance of different larval stages of the spider crab Hyas araneus exposed to elevated seawater PCO2. Frontiers in Zoology, 2014, 11, 87.	2.0	28
104	Improved heat tolerance in air drives the recurrent evolution of air-breathing. Proceedings of the Royal Society B: Biological Sciences, 2014, 281, 20132927.	2.6	51
105	A first Glimpse at the genome of the Baikalian amphipod Eulimnogammarus verrucosus. Journal of Experimental Zoology Part B: Molecular and Developmental Evolution, 2014, 322, 177-189.	1.3	27
106	Simultaneous high-resolution pH and spectrophotometric recordings of oxygen binding in native blood microvolumes. Journal of Experimental Biology, 2014, 217, 1430-6.	1.7	12
107	Differential impacts of ocean acidification and warming on winter and summer progeny of a coastal squid (Loligo vulgaris). Journal of Experimental Biology, 2014, 217, 518-525.	1.7	68
108	Metabolic suppression during protracted exposure to hypoxia in the jumbo squid,Dosidicus gigas, living in an oxygen minimum zone. Journal of Experimental Biology, 2014, 217, 2555-68.	1.7	45

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109	Climate sensitivity across marine domains of life: limits to evolutionary adaptation shape species interactions. Global Change Biology, 2014, 20, 3059-3067.	9.5	63
110	Pre-hatching seawater pCO2 affects development and survival of zoea stages of Arctic spider crab Hyas araneus. Marine Ecology - Progress Series, 2014, 501, 127-139.	1.9	28
111	Advances in Predicting the Impacts of Global Warming on the Mussels Mytilus galloprovincialis in the Mediterranean Sea. , 2014, , 319-339.		1
112	Climate change and the oceans â€“ What does the future hold?. Marine Pollution Bulletin, 2013, 74, 495-505.	5.0	191
113	A snapshot of ocean acidification research. Marine Biology, 2013, 160, 1765-1771.	1.5	48
114	Adaptations to semi-terrestrial life in embryos of East African mangrove crabs: a comparative approach. Marine Biology, 2013, 160, 2483-2492.	1.5	9
115	The synergistic effects of increasing temperature and CO2 levels on activity capacity and acidâ€“base balance in the spider crab, Hyas araneus. Marine Biology, 2013, 160, 2049-2062.	1.5	44
116	Impact of ocean acidification on escape performance of the king scallop, Pecten maximus, from Norway. Marine Biology, 2013, 160, 1995-2006.	1.5	65
117	Tolerance of Hyas araneus zoea I larvae to elevated seawater PCO2 despite elevated metabolic costs. Marine Biology, 2013, 160, 1943-1953.	1.5	23
118	Impacts of seawater acidification on mantle gene expression patterns of the Baltic Sea blue mussel: implications for shell formation and energy metabolism. Marine Biology, 2013, 160, 1845-1861.	1.5	134
119	Elevated temperature and PCO2 shift metabolic pathways in differentially oxidative tissues of Notothenia rossii. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2013, 166, 48-57.	1.6	69
120	Sensitivities of extant animal taxa to ocean acidification. Nature Climate Change, 2013, 3, 995-1001.	18.8	421
121	Seasonal variations of cellular stress response of the gilthead sea bream (Sparus aurata). Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 2013, 183, 625-639.	1.5	34
122	Characterization and analysis of a transcriptome from the boreal spider crab Hyas araneus. Comparative Biochemistry and Physiology Part D: Genomics and Proteomics, 2013, 8, 344-351.	1.0	14
123	Climate change reduces offspring fitness in littoral spawners: a study integrating organismic response and longâ€term timeâ€series. Global Change Biology, 2013, 19, 373-386.	9.5	30
124	Impacts of ocean acidification on marine shelled molluscs. Marine Biology, 2013, 160, 2207-2245.	1.5	557
125	Get ready for ocean acidification. Nature, 2013, 498, 429-429.	27.8	103
126	Lower hypoxia thresholds of cuttlefish early life stages living in a warm acidified ocean. Proceedings of the Royal Society B: Biological Sciences, 2013, 280, 20131695.	2.6	49

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127	A role for haemolymph oxygen capacity in heat tolerance of eurythermal crabs. Frontiers in Physiology, 2013, 4, 110.	2.8	62
128	Nothing in experimental biology makes sense except in the light of ecology and evolution â€“ correspondence on J. Exp. Biol. 216, 2771-2782. Journal of Experimental Biology, 2013, 216, 4494-4495.	1.7	42
129	Predicting the Response of Molluscs to the Impact of Ocean Acidification. Biology, 2013, 2, 651-692.	2.8	266
130	Excess Oxygen in Polar Evolution: A Whole Organism Perspective. From Pole To Pole, 2013, , 67-87.	0.1	4
131	Mitochondrial Acclimation Capacities to Ocean Warming and Acidification Are Limited in the Antarctic Nototheniid Fish, Notothenia rossii and Lepidonotothen squamifrons. PLoS ONE, 2013, 8, e68865.	2.5	70
132	A Role for Oxygen Delivery and Extracellular Magnesium in Limiting Cold Tolerance of the Sub-Antarctic Stone CrabParalomis granulosa?. Physiological and Biochemical Zoology, 2012, 85, 285-298.	1.5	16
133	Mitochondrial dynamics underlying thermal plasticity of cuttlefish (Sepia officinalis) hearts. Journal of Experimental Biology, 2012, 215, 2992-3000.	1.7	34
134	Metabolic shifts in the Antarctic fish Notothenia rossii in response to rising temperature and PCO2. Frontiers in Zoology, 2012, 9, 28.	2.0	111
135	Interactive effects of salinity and elevated CO2 levels on juvenile eastern oysters, Crassostrea virginica. Journal of Experimental Biology, 2012, 215, 29-43.	1.7	227
136	Involvement of p38 <scp>MAPK</scp> in the Induction of <scp>H</scp>sp70 During Acute Thermal Stress in Red Blood Cells of the Gilthead Sea Bream, <scp>S</scp>parus aurata. Journal of Experimental Zoology, 2012, 317, 303-310.	1.2	37
137	Influence of Temperature, Hypercapnia, and Development on the Relative Expression of Different Hemocyanin Isoforms in the Common Cuttlefish Sepia officinalis. Journal of Experimental Zoology, 2012, 317, 511-523.	1.2	21
138	Adult exposure influences offspring response to ocean acidification in oysters. Global Change Biology, 2012, 18, 82-92.	9.5	366
139	Physiological plasticity, long term resistance or acclimation to temperature, in the Antarctic bivalve, Laternula elliptica. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2012, 162, 16-21.	1.8	57
140	Monitoring the biochemical and cellular responses of marine bivalves during thermal stress by using biomarkers. Marine Environmental Research, 2012, 73, 70-77.	2.5	39
141	Physiological capacity of Cancer setosus larvae â€” Adaptation to El NiÃ±o Southern Oscillation conditions. Journal of Experimental Marine Biology and Ecology, 2012, 413, 100-105.	1.5	10
142	Mitochondrial Function in Antarctic Nototheniids with ND6 Translocation. PLoS ONE, 2012, 7, e31860.	2.5	30
143	Field studies and projections of climate change effects on the bearded horse mussel Modiolus barbatus in the Gulf of Thermaikos, Greece. Marine Ecology - Progress Series, 2012, 449, 183-196.	1.9	11
144	Integrating climate-related stressor effects on marine organisms: unifying principles linking molecule to ecosystem-level changes. Marine Ecology - Progress Series, 2012, 470, 273-290.	1.9	253

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145	SWIMMING AND OTHER ACTIVITIES | Cellular Energy Utilization: Environmental Influences on Metabolism. , 2011, , 1645-1651.		2
146	Temperature-dependent activity in early life stages of the stone crab Paralomis granulosa (Decapoda,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf Biology and Ecology, 2011, 397, 27-37.	1.5	9
147	Do amphibious crabs have amphibious eggs? A case study of Armases miersii. Journal of Experimental Marine Biology and Ecology, 2011, 409, 107-113.	1.5	10
148	Oxygen and capacity limited thermal tolerance of the lugworm Arenicola marina: A seasonal comparison. Journal of Experimental Marine Biology and Ecology, 2011, 409, 300-309.	1.5	8
149	Impacts of temperature and acidification on larval calcium incorporation of the spider crab Hyas araneus from different latitudes (54Â° vs. 79Â°N). Marine Biology, 2011, 158, 2043-2053.	1.5	41
150	Field studies on the relation between the accumulation of heavy metals and metabolic and HSR in the bearded horse mussel Modiolus barbatus. Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2011, 153, 133-140.	2.6	8
151	Potential impacts of future ocean acidification on marine ecosystems and fisheries: current knowledge and recommendations for future research. ICES Journal of Marine Science, 2011, 68, 1019-1029.	2.5	79
152	TEMPERATURE | Effects of Climate Change. , 2011, , 1738-1745.		10
153	Thermal acclimation in Antarctic fish: transcriptomic profiling of metabolic pathways. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2011, 301, R1453-R1466.	1.8	70
154	Thermal tolerance of larval stages of the Chilean kelp crab Taliepus dentatusÂ. Marine Ecology - Progress Series, 2011, 429, 157-167.	1.9	51
155	Effects of ocean acidification and warming on the larval development of the spider crab Hyas araneus from different latitudes (54Â° vs. 79Â°N). Marine Ecology - Progress Series, 2010, 417, 159-170.	1.9	142
156	Cuttlebone calcification increases during exposure to elevated seawater pCO2 in the cephalopod Sepia officinalis. Marine Biology, 2010, 157, 1653-1663.	1.5	89
157	Ultrastructure of pedal muscle as a function of temperature in nacellid limpets. Marine Biology, 2010, 157, 1705-1712.	1.5	6
158	Ion regulatory capacity and the biogeography of Crustacea at high southern latitudes. Polar Biology, 2010, 33, 919-928.	1.2	24
159	Acidâ€“base regulatory ability of the cephalopod (Sepia officinalis) in response to environmental hypercapnia. Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 2010, 180, 323-335.	1.5	102
160	Hypercapnia induced shifts in gill energy budgets of Antarctic notothenioids. Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 2010, 180, 347-359.	1.5	50
161	Metabolic and molecular stress responses of gilthead seam bream Sparus aurata during exposure to low ambient temperature: an analysis of mechanisms underlying the winter syndrome. Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 2010, 180, 1005-1018.	1.5	61
162	Anaerobic metabolic patterns related to stress responses in hypoxia exposed mussels Mytilus galloprovincialis. Journal of Experimental Marine Biology and Ecology, 2010, 394, 123-133.	1.5	53

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