Jodie L Rummer

List of Publications by Year
in descending order

98	3,278	159585 30	189892 50
papers	citations	h-index	g-index

100	100	100	3001
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Life on the edge: thermal optima for aerobic scope of equatorial reef fishes are close to current day temperatures. Global Change Biology, 2014, 20, 1055-1066.	9.5	206
2	Behavioural impairment in reef fishes caused by ocean acidification at CO2 seeps. Nature Climate Change, 2014, 4, 487-492.	18.8	152
3	Finding the best estimates of metabolic rates in a coral reef fish. Journal of Experimental Biology, 2013, 216, 2103-10.	1.7	150
4	Root Effect Hemoglobin May Have Evolved to Enhance General Tissue Oxygen Delivery. Science, 2013, 340, 1327-1329.	12.6	130
5	Effects of moderate and substantial hypoxia on erythropoietin levels in rainbow trout kidney and spleen. Journal of Experimental Biology, 2006, 209, 2734-2738.	1.7	123
6	Physiological Effects of Swim Bladder Overexpansion and Catastrophic Decompression on Red Snapper. Transactions of the American Fisheries Society, 2005, 134, 1457-1470.	1.4	122
7	Exposure of clownfish larvae to suspended sediment levels found on the Great Barrier Reef: Impacts on gill structure and microbiome. Scientific Reports, 2015, 5, 10561.	3.3	111
8	Aerobic scope predicts dominance during early life in a tropical damselfish. Functional Ecology, 2014, 28, 1367-1376.	3.6	104
9	Adapt, move or die â€“ how will tropical coral reef fishes cope with ocean warming?. Global Change Biology, 2017, 23, 566-577.	9.5	79
10	An interplay between plasticity and parental phenotype determines impacts of ocean acidification on a reef fish. Nature Ecology and Evolution, 2018, 2, 334-342.	7.8	75
11	Interactive effects of ocean acidification and rising sea temperatures alter predation rate and predator selectivity in reef fish communities. Global Change Biology, 2015, 21, 1848-1855.	9.5	71
12	Elevated CO2 enhances aerobic scope of a coral reef fish. , 2013, 1, cot023-cot023.		70
13	Biological responses of sharks to ocean acidification. Biology Letters, 2017, 13, 20160796.	2.3	69
14	Methods matter: considering locomotory mode and respirometry technique when estimating metabolic rates of fishes. , 2016, 4, cow008.		67
15	A unique mode of tissue oxygenation and the adaptive radiation of teleost fishes. Journal of Experimental Biology, 2014, 217, 1205-1214.	1.7	65
16	Climate change and the performance of larval coral reef fishes: the interaction between temperature and food availability. , 2013, 1, cot024-cot024.		63
17	Species-specific effects of near-future CO2 on the respiratory performance of two tropical prey fish and their predator. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2013, 166, 482-489.	1.8	62
18	Blacktip reef sharks (Carcharhinus melanopterus) show high capacity for wound healing and recovery following injury. , 2015, 3, cov062.		61

#	Article	IF	Citations
19	Oil exposure disrupts early life-history stages of coral reef fishes via behavioural impairments. Nature Ecology and Evolution, 2017, 1, 1146-1152.	7.8	60
20	Root Effect Haemoglobins in Fish May Greatly Enhance General Oxygen Delivery Relative to Other Vertebrates. PLoS ONE, 2015, 10, e0139477.	2.5	55
21	Plasma-accessible carbonic anhydrase at the tissue of a teleost fish may greatly enhance oxygen delivery:in vitroevidence in rainbow trout,Oncorhynchus mykiss. Journal of Experimental Biology, 2011, 214, 2319-2328.	1.7	53
22	Species-specific molecular responses of wild coral reef fishes during a marine heatwave. Science Advances, 2020, 6, eaay3423.	10.3	52
23	A product of its environment: the epaulette shark (Hemiscyllium ocellatum) exhibits physiological tolerance to elevated environmental CO2. , 2014, 2, cou047-cou047.		50
24	How experimental biology and ecology can support evidence-based decision-making in conservation: avoiding pitfalls and enabling application. , 2017, 5, cox043.		48
25	Climate change and the evolution of reef fishes: past and future. Fish and Fisheries, 2017, 18, 22-39.	5.3	45
26	Foraging behaviour of the epaulette shark Hemiscyllium ocellatum is not affected by elevated CO2. ICES Journal of Marine Science, 2016, 73, 633-640.	2.5	43
27	Swimming performance of marine fish larvae: review of a universal trait under ecological and environmental pressure. Reviews in Fish Biology and Fisheries, 2020, 30, 93-108.	4.9	42
28	Correlated Effects of Ocean Acidification and Warming on Behavioral and Metabolic Traits of a Large Pelagic Fish. Diversity, 2018, 10, 35.	1.7	41
29	Effects of hypoxia and ocean acidification on the upper thermal niche boundaries of coral reef fishes. Biology Letters, 2017, 13, 20170135.	2.3	38
30	Anthropogenic stressors influence reproduction and development in elasmobranch fishes. Reviews in Fish Biology and Fisheries, 2020, 30, 373-386.	4.9	38
31	Hypoxia tolerance is conserved across genetically distinct sub-populations of an iconic, tropical Australian teleost (Lates calcarifer). , 2013, 1, cot029-cot029.		36
32	Alterations in gill structure in tropical reef fishes as a result of elevated temperatures. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2014, 175, 64-71.	1.8	36
33	Juvenile Ribbontail Stingray, Taeniura lymma (ForsskÃ¥l, 1775) (Chondrichthyes, Dasyatidae), demonstrate a unique suite of physiological adaptations to survive hyperthermic nursery conditions. Hydrobiologia, 2013, 701, 37-49.	2.0	35
34	A framework for understanding climate change impacts on coral reef socialâ€“ecological systems. Regional Environmental Change, 2016, 16, 1133-1146.	2.9	35
35	Species-specific impacts of suspended sediments on gill structure and function in coral reef fishes. Proceedings of the Royal Society B: Biological Sciences, 2017, 284, 20171279.	2.6	34
36	Blood sampling techniques and storage duration: Effects on the presence and magnitude of the red blood cell Î²-adrenergic response in rainbow trout (Oncorhynchus mykiss). Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2006, 144, 188-195.	1.8	31

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37	Hagfish: Champions of CO2 tolerance question the origins of vertebrate gill function. Scientific Reports, 2015, 5, 11182.	3.3	31
38	Impact of motorboats on fish embryos depends on engine type. , 2018, 6, coy014.		29
39	Too hot to handle? Using movement to alleviate effects of elevated temperatures in a benthic elasmobranch, Hemiscyllium ocellatum. Marine Biology, 2018, 165, 1.	1.5	29
40	Dead tired: evaluating the physiological status and survival of neonatal reef sharks under stress. , 2018, 6, coy053.		28
41	A negative correlation between behavioural and physiological performance under ocean acidification and warming. Scientific Reports, 2019, 9, 4265.	3.3	28
42	Aquatic acidification: a mechanism underpinning maintained oxygen transport and performance in fish experiencing elevated carbon dioxide conditions. Journal of Experimental Biology, 2018, 221, .	1.7	27
43	Function and control of the fish secondary vascular system, a contrast to mammalian lymphatic systems. Journal of Experimental Biology, 2014, 217, 751-7.	1.7	26
44	Heat shock protein (Hsp70) induced by a mild heat shock slightly moderates plasma osmolarity increases upon salinity transfer in rainbow trout (Oncorhynchus mykiss). Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2008, 148, 437-444.	2.6	25
45	Behavioural thermoregulation in a temperature-sensitive coral reef fish, the five-lined cardinalfish (Cheilodipterus quinquelineatus). Coral Reefs, 2015, 34, 1261-1265.	2.2	24
46	Rapid evolution fuels transcriptional plasticity to ocean acidification. Global Change Biology, 2022, 28, 3007-3022.	9.5	23
47	Absence of cellular damage in tropical newly hatched sharks (Chiloscyllium plagiosum) under ocean acidification conditions. Cell Stress and Chaperones, 2018, 23, 837-846.	2.9	22
48	Use it or lose it? Sablefish, Anoplopoma fimbria, a species representing a fifth teleostean group where the Î²NHE associated with the red blood cell adrenergic stress response has been secondarily lost. Journal of Experimental Biology, 2010, 213, 1503-1512.	1.7	21
49	Will ocean acidification affect the early ontogeny of a tropical oviparous elasmobranch (Hemiscyllium ocellatum)?. , 2016, 4, cow003.		21
50	Thermal tolerance and hypoxia tolerance are associated in blacktip reef shark (<i>Carcharhinus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 22	1.7	20
51	Population variation in the thermal response to climate change reveals differing sensitivity in a benthic shark. Global Change Biology, 2021, 27, 108-120.	9.5	20
52	Thermal acclimation of tropical coral reef fishes to global heat waves. ELife, 2021, 10, .	6.0	20
53	Future thermal regimes for epaulette sharks (Hemiscyllium ocellatum): growth and metabolic performance cease to be optimal. Scientific Reports, 2021, 11, 454.	3.3	20
54	Elasmobranch Responses to Experimental Warming, Acidification, and Oxygen Lossâ€"A Meta-Analysis. Frontiers in Marine Science, 2021, 8, .	2.5	19

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55	Diel pCO2 variation among coral reefs and microhabitats at Lizard Island, Great Barrier Reef. Coral Reefs, 2020, 39, 1391-1406.	2.2	17
56	Reduced and reversed temperature dependence of blood oxygenation in an ectothermic scombrid fish: implications for the evolution of regional heterothermy?. Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 2010, 180, 73-82.	1.5	16
57	Estimating oxygen uptake rates to understand stress in sharks and rays. Reviews in Fish Biology and Fisheries, 2019, 29, 297-311.	4.9	16
58	Regulate or tolerate: Thermal strategy of a coral reef flat resident, the epaulette shark, <scp>Hemiscyllium ocellatum</scp>. Journal of Fish Biology, 2021, 98, 723-732.	1.6	16
59	Short-term impacts of daily feeding on the residency, distribution and energy expenditure of sharks. Animal Behaviour, 2021, 172, 55-71.	1.9	16
60	Conservation physiology and the quest for a â€˜goodâ€™ Anthropocene. , 2017, 5, cox003.		14
61	Same species, different prerequisites: investigating body condition and foraging success in young reef sharks between an atoll and an island system. Scientific Reports, 2019, 9, 13447.	3.3	14
62	Physiological tolerance to hyperthermia and hypoxia and effects on species richness and distribution of rockpool fishes of Loggerhead Key, Dry Tortugas National Park. Journal of Experimental Marine Biology and Ecology, 2009, 371, 155-162.	1.5	13
63	The influence of habitat association on swimming performance in marine teleost fish larvae. Fish and Fisheries, 2021, 22, 1187-1212.	5.3	13
64	Habitat complexity influences selection of thermal environment in a common coral reef fish. , 2020, 8, coaa070.		12
65	Physiology can contribute to better understanding, management, and conservation of coral reef fishes. , 2017, 5, cox005.		10
66	Analysing tropical elasmobranch blood samples in the field: blood stability during storage and validation of the HemoCueÂ® haemoglobin analyser. , 2019, 7, coz081.		10
67	Home range of newborn blacktip reef sharks (Carcharhinus melanopterus), as estimated using mark-recapture and acoustic telemetry. Coral Reefs, 2020, 39, 1209-1214.	2.2	9
68	Responses of a coral reef shark acutely exposed to ocean acidification conditions. Coral Reefs, 2020, 39, 1215-1220.	2.2	9
69	Validation of a portable, waterproof blood pH analyser for elasmobranchs. , 2017, 5, cox012.		8
70	The power struggle: assessing interacting global change stressors via experimental studies on sharks. Scientific Reports, 2020, 10, 19887.	3.3	8
71	Beneficial effects of diel CO2 cycles on reef fish metabolic performance are diminished under elevated temperature. Science of the Total Environment, 2020, 735, 139084.	8.0	8
72	The effects of constant and fluctuating elevated pCO2 levels on oxygen uptake rates of coral reef fishes. Science of the Total Environment, 2020, 741, 140334.	8.0	8

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73	OUP accepted manuscript. , 2021, 9, coaa139.		8
74	Investigating links between thermal tolerance and oxygen supply capacity in shark neonates from a hyperoxic tropical environment. Science of the Total Environment, 2021, 782, 146854.	8.0	8
75	Aerobic performance of two tropical cephalopod species unaltered by prolonged exposure to projected future carbon dioxide levels. , 2019, 7, coz024.		6
76	Adaptation and evolutionary responses to high CO2. Fish Physiology, 2019, 37, 369-395.	0.8	6
77	A lack of red blood cell swelling in five elasmobranch fishes following air exposure and exhaustive exercise. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2021, 258, 110978.	1.8	6
78	Contrasting effects of constant and fluctuating pCO2 conditions on the exercise physiology of coral reef fishes. Marine Environmental Research, 2021, 163, 105224.	2.5	5
79	Simulated heatwave and fishing stressors alter corticosteroid and energy balance in neonate blacktip reef sharks, Carcharhinus melanopterus. , 2021, 9, coab067.		5
80	Species interactions alter the selection of thermal environment in a coral reef fish. Oecologia, 2021, 196, 363-371.	2.0	5
81	Compensatory Growth in Juvenile Freshwater Turtles, Chinemys reevesii, Following Feed Deprivation. Journal of the World Aquaculture Society, 2011, 42, 82-89.	2.4	4
82	Exposure to degraded coral habitat depresses oxygen uptake rate during exercise of a juvenile reef fish. Coral Reefs, 2021, 40, 1361-1367.	2.2	4
83	Association between physiological performance and short temporal changes in habitat utilisation modulated by environmental factors. Marine Environmental Research, 2021, 170, 105448.	2.5	4
84	A multi-tasking stomach: functional coexistence of acidâ€“peptic digestion and defensive body inflation in three distantly related vertebrate lineages. Biology Letters, 2022, 18, 20210583.	2.3	4
85	Automated flow control of a multi-lane swimming chamber for small fishes indicates species-specific sensitivity to experimental protocols. , 2021, 9, coaa131.		3
86	Diel Rhythm and Thermal Independence of Metabolic Rate in a Benthic Shark. Journal of Biological Rhythms, 2022, 37, 484-497.	2.6	3
87	The emergence emergency: A mudskipper's response to temperatures. Journal of Thermal Biology, 2018, 78, 65-72.	2.5	2
88	Enhanced oxygen unloading in two marine percomorph teleosts. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2021, 264, 111101.	1.8	2
89	Elevating the impact of conservation physiology by building a community devoted to excellence, transparency, ethics, integrity and mutual respect. , 2022, 10, coac015.		1
90	KOMODO DRAGON'S `PEARLY WHITES' PACK A 1â€“2â€“3 DEADLY PUNCH. Journal of Experimental Biology, 2009, 212, iv-iv.	1.7	0

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91	A LITTLE STRESS FOR A FETUS GOES A LONG WAY. Journal of Experimental Biology, 2009, 212, v-v.	1.7	0
92	THE REAL TASTE OF VICTORY. Journal of Experimental Biology, 2009, 212, iv-iv.	1.7	0
93	GLOBAL WARMING COULD CANCEL `JOURNEY OF A THOUSAND MILES'. Journal of Experimental Biology, 2009, 212, v-v.	1.7	0
94	BRRROWN ADIPOSE TISSUE: SPECIAL FAT FOR COLD CRITTERS. Journal of Experimental Biology, 2010, 213, vi-vi.	1.7	0
95	HOW WOOLLY MAMMOTH BLOOD CHEATED THE COLD. Journal of Experimental Biology, 2010, 213, v-v.	1.7	0
96	IS IT CHEAPER TO â€˜GROW UPâ€™ FAST?. Journal of Experimental Biology, 2010, 213, iv-iv.	1.7	0
97	ION REGULATION DRIVES GILL DEVELOPMENT. Journal of Experimental Biology, 2010, 213, iv-iv.	1.7	0
98	What if you can't sense your enemyâ€¦ and your enemy is an invasive predator?. , 2017, 5, cox011.		0