

Erika J Eliason

List of Publications by Year in descending order

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Version: 2024-02-01

71
papers

4,877
citations

218677
26
h-index

144013
57
g-index

74
all docs

74
docs citations

74
times ranked

5067
citing authors

#	ARTICLE	IF	CITATIONS
1	Emerging threats and persistent conservation challenges for freshwater biodiversity. <i>Biological Reviews</i> , 2019, 94, 849-873.	10.4	1,766
2	Differences in Thermal Tolerance Among Sockeye Salmon Populations. <i>Science</i> , 2011, 332, 109-112.	12.6	733
3	The effect of acute temperature increases on the cardiorespiratory performance of resting and swimming sockeye salmon (<i>Oncorhynchus nerka</i>). <i>Journal of Experimental Biology</i> , 2008, 211, 3915-3926.	1.7	229
4	Fish cardiorespiratory physiology in an era of climate changeThe present review is one of a series of occasional review articles that have been invited by the Editors and will feature the broad range of disciplines and expertise represented in our Editorial Advisory Board.. <i>Canadian Journal of Zoology</i> , 2009, 87, 835-851.	1.0	176
5	Physiological Basis of Climate Change Impacts on North American Inland Fishes. <i>Fisheries</i> , 2016, 41, 332-345.	0.8	129
6	Conservation physiology in practice: how physiological knowledge has improved our ability to sustainably manage Pacific salmon during up-river migration. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2012, 367, 1757-1769.	4.0	107
7	Cardiorespiratory collapse at high temperature in swimming adult sockeye salmon. , 2013, 1, cot008-cot008.		104
8	Consequences of high temperatures and premature mortality on the transcriptome and blood physiology of wild adult sockeye salmon (<i>Oncorhynchus nerka</i>). <i>Ecology and Evolution</i> , 2012, 2, 1747-1764.	1.9	92
9	Oxygen uptake in Pacific salmon <i>Oncorhynchus</i> spp.: when ecology and physiology meet. <i>Journal of Fish Biology</i> , 2016, 88, 359-388.	1.6	88
10	Calibration of a handheld haemoglobin analyser for use on fish blood. <i>Journal of Fish Biology</i> , 2008, 73, 2587-2595.	1.6	82
11	Calibrating Environmental DNA Metabarcoding to Conventional Surveys for Measuring Fish Species Richness. <i>Frontiers in Ecology and Evolution</i> , 2020, 8, .	2.2	74
12	Postprandial changes in plasma free amino acid levels obtained simultaneously from the hepatic portal vein and the dorsal aorta in rainbow trout (<i>Oncorhynchus mykiss</i>). <i>Journal of Experimental Biology</i> , 2006, 209, 4885-4894.	1.7	71
13	Intraspecific variation in tolerance of warming in fishes. <i>Journal of Fish Biology</i> , 2021, 98, 1536-1555.	1.6	69
14	Postprandial gastrointestinal blood flow, oxygen consumption and heart rate in rainbow trout (<i>Oncorhynchus mykiss</i>). <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2008, 149, 380-388.	1.8	66
15	One Hundred Pressing Questions on the Future of Global Fish Migration Science, Conservation, and Policy. <i>Frontiers in Ecology and Evolution</i> , 2019, 7, .	2.2	66
16	Best practices for non-lethal blood sampling of fish <i>via</i> the caudal vasculature. <i>Journal of Fish Biology</i> , 2020, 97, 4-15.	1.6	63
17	Physiological impairment of adult sockeye salmon in fresh water after simulated capture-and-release across a range of temperatures. <i>Fisheries Research</i> , 2011, 112, 85-95.	1.7	60
18	Strong Evidence for an Intraspecific Metabolic Scaling Coefficient Near 0.89 in Fish. <i>Frontiers in Physiology</i> , 2019, 10, 1166.	2.8	54

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19	Cardiorespiratory performance and blood chemistry during swimming and recovery in three populations of elite swimmers: Adult sockeye salmon. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2013, 166, 385-397.	1.8	49
20	Low cardiac and aerobic scope in a coastal population of sockeye salmon <i>Oncorhynchus nerka</i> with a short upriver migration. <i>Journal of Fish Biology</i> , 2013, 82, 2104-2112.	1.6	49
21	Effect of isoenergetic diets with different protein and lipid content on the growth performance and heat increment of rainbow trout. <i>Aquaculture</i> , 2007, 272, 723-736.	3.5	42
22	Fishing for Effective Conservation: Context and Biotic Variation are Keys to Understanding the Survival of Pacific Salmon after Catch-and-Release. <i>Integrative and Comparative Biology</i> , 2015, 55, 554-576.	2.0	40
23	Temperature and the Cardiovascular System. <i>Fish Physiology</i> , 2017, 36, 235-297.	0.8	36
24	The influence of water temperature on sockeye salmon heart rate recovery following simulated fisheries interactions. , 2017, 5, cox050.		36
25	Effect of hypoxia on specific dynamic action and postprandial cardiovascular physiology in rainbow trout (<i>Oncorhynchus mykiss</i>). <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2014, 171, 44-50.	1.8	32
26	Ecology of Exercise in Wild Fish: Integrating Concepts of Individual Physiological Capacity, Behavior, and Fitness Through Diverse Case Studies. <i>Integrative and Comparative Biology</i> , 2017, 57, 281-292.	2.0	32
27	ILTER “ The International Long-Term Ecological Research Network as a Platform for Global Coastal and Ocean Observation. <i>Frontiers in Marine Science</i> , 2019, 6, .	2.5	31
28	On the neglected cold side of climate change and what it means to fish. <i>Climate Research</i> , 2016, 69, 239-245.	1.1	30
29	Validation of the hepatic portal vein cannulation technique using Atlantic salmon <i>Salmo salar</i> L.. <i>Journal of Fish Biology</i> , 2007, 71, 290-297.	1.6	27
30	Bioenergetic consequences of warming rivers to adult Atlantic salmon <i>Salmo salar</i> during their spawning migration. <i>Freshwater Biology</i> , 2018, 63, 1381-1393.	2.4	27
31	Maxed Out: Optimizing Accuracy, Precision, and Power for Field Measures of Maximum Metabolic Rate in Fishes. <i>Physiological and Biochemical Zoology</i> , 2020, 93, 243-254.	1.5	27
32	Oxygen removal from water versus arterial oxygen delivery: calibrating the Fick equation in Pacific salmon. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2014, 184, 855-864.	1.5	23
33	Physiological condition and migratory experience affect fitness-related outcomes in adult female sockeye salmon. <i>Ecology of Freshwater Fish</i> , 2018, 27, 296-309.	1.4	22
34	Observable impairments predict mortality of captured and released sockeye salmon at various temperatures. , 2014, 2, cou029-cou029.		21
35	Application of Miniature Heart Rate Data Loggers for Use in Large Free-Moving Decapod Crustaceans: Method Development and Validation. <i>Physiological and Biochemical Zoology</i> , 2018, 91, 731-739.	1.5	21
36	An appetite for invasion: digestive physiology, thermal performance, and food intake in lionfish (<i>Pterois spp.</i>). <i>Journal of Experimental Biology</i> , 2019, 222, .	1.7	21

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37	Lifeâ€œhistory strategies in salmonids: the role of physiology and its consequences. Biological Reviews, 2021, 96, 2304-2320.	10.4	21
38	Exceptionally high mortality of adult female salmon: a large-scale pattern and a conservation concern. Canadian Journal of Fisheries and Aquatic Sciences, 2021, 78, 639-654.	1.4	21
39	A brainâ€œinfecting parasite impacts host metabolism both during exposure and after infection is established. Functional Ecology, 2021, 35, 105-116.	3.6	20
40	Facing warm temperatures during migration: cardiac <scp>mRNA</scp> responses of two adult <i>Oncorhynchus nerka</i> populations to warming and swimming challenges. Journal of Fish Biology, 2014, 84, 1439-1456.	1.6	18
41	An experimental evaluation of the role of the stress axis in mediating predator-prey interactions in wild marine fish. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2017, 207, 21-29.	1.8	18
42	Cortisol modulates metabolism and energy mobilization in wild-caught pumpkinseed (Lepomis) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 54	2.3	18
43	Shortâ€œterm Physiological Response Profiles of Tagged Migrating Adult Sockeye Salmon: A Comparison of Gastric Insertion and External Tagging Methods. Transactions of the American Fisheries Society, 2018, 147, 300-315.	1.4	15
44	Route-specific movements and survival during early marine migration of hatchery steelhead <i>Oncorhynchus mykiss</i> smolts in coastal British Columbia. Marine Ecology - Progress Series, 2017, 577, 131-147.	1.9	15
45	Diet mediates thermal performance traits: implications for marine ectotherms. Journal of Experimental Biology, 2021, 224, .	1.7	14
46	Sex-specific differences in physiological recovery and short-term behaviour following fisheries capture in adult sockeye salmon (<i>Oncorhynchus nerka</i>). Canadian Journal of Fisheries and Aquatic Sciences, 2020, 77, 1749-1757.	1.4	13
47	Exploring relationships between cardiovascular activity and parental care behavior in nesting smallmouth bass: A field study using heart rate biologgers. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2019, 234, 18-27.	1.8	12
48	Intraspecific variability in thermal tolerance: a case study with coastal cutthroat trout. , 2022, 10, .		12
49	Cardiac SERCA activity in sockeye salmon populations: an adaptive response to migration conditions. Canadian Journal of Fisheries and Aquatic Sciences, 2019, 76, 1-5.	1.4	11
50	Intraspecific differences in endurance swim performance and cardiac size in sockeye salmon (<i>Oncorhynchus nerka</i>) parr tested at three temperatures. Canadian Journal of Zoology, 2017, 95, 425-432.	1.0	10
51	Influence of supraphysiological cortisol manipulation on predator avoidance behaviors and physiological responses to a predation threat in a wild marine teleost fish. Integrative Zoology, 2018, 13, 206-218.	2.6	8
52	Effect of thermal variation on the cardiac thermal limits of a eurythermal marine teleost (Girella) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 14	1.7	8
53	Transcriptome profiles relate to migration fate in hatchery steelhead (<i>Oncorhynchus mykiss</i>) smolts. Canadian Journal of Fisheries and Aquatic Sciences, 2018, 75, 2053-2068.	1.4	7
54	The effect of hepatic passage on postprandial plasma lipid profile of rainbow trout (Oncorhynchus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	2.7	6

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55	Fitness component assessments of wild-type and growth hormone transgenic coho salmon reared in seawater mesocosms. <i>Aquaculture</i> , 2017, 473, 31-42.	3.5	6
56	Activity syndromes and metabolism in giant deep-sea isopods. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2017, 121, 237-244.	1.4	6
57	Reduced lactate dehydrogenase activity in the heart and suppressed sex hormone levels are associated with female-biased mortality during thermal stress in Pacific salmon. <i>Journal of Experimental Biology</i> , 2020, 223, .	1.7	6
58	Artificial light at night does not alter heart rate or locomotor behaviour in Caribbean spiny lobster (<i>Panulirus argus</i>): insights into light pollution and physiological disturbance using biologgers. , 2020, 8, coaa097.		6
59	Predator-induced selection on urchin activity level depends on urchin body size. <i>Ethology</i> , 2019, 125, 716-723.	1.1	3
60	Simulated maternal stress reduces offspring aerobic swimming performance in Pacific salmon. , 2019, 7, coz095.		2
61	ALLIGATORS, LIKE BIRDS, BREATHE ONE WAY ONLY. <i>Journal of Experimental Biology</i> , 2010, 213, iv-iv.	1.7	1
62	GOBY STABILIZES UPWELLING ECOSYSTEM. <i>Journal of Experimental Biology</i> , 2010, 213, v-v.	1.7	1
63	Adult Sockeye Salmon Gastrically Tagged Near Spawning Grounds Exhibit Lower Survival Rates throughout the Spawning Period than Externally Tagged Conspecifics. <i>North American Journal of Fisheries Management</i> , 2020, 40, 939-951.	1.0	1
64	Teaching Post-Secondary Students in Ecology and Evolution: Strategies for Early-Career Researchers. <i>Ideas in Ecology and Evolution</i> , 0, 13, .	0.1	1
65	Elevating the impact of conservation physiology by building a community devoted to excellence, transparency, ethics, integrity and mutual respect. , 2022, 10, coac015.		1
66	FISH: THE GUTS OF THE CARBON CYCLE. <i>Journal of Experimental Biology</i> , 2009, 212, v-vi.	1.7	0
67	DIFFUSION INFLUENCES CELL DESIGN. <i>Journal of Experimental Biology</i> , 2009, 212, iv-iv.	1.7	0
68	SPERM FIND BIG EGGS BEST. <i>Journal of Experimental Biology</i> , 2009, 212, v-vi.	1.7	0
69	HOT FISH NEED BOXER BRIEFS. <i>Journal of Experimental Biology</i> , 2009, 212, iv-iv.	1.7	0
70	BILLFISHES ARE CLOSELY RELATED TO FLATFISH. <i>Journal of Experimental Biology</i> , 2010, 213, iv-iv.	1.7	0
71	LYMPHATICS ASSIST CIRCULATION DURING HYPOXIA. <i>Journal of Experimental Biology</i> , 2010, 213, iv-iv.	1.7	0