

Milica Mandic

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

762
citations

687363

13
h-index

677142

22
g-index

22
all docs

22
docs citations

22
times ranked

652
citing authors

#	ARTICLE	IF	CITATIONS
1	Mechanisms and evolution of hypoxia tolerance in fish. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2009, 276, 735-744.	2.6	225
2	Hypoxia Tolerance in Sculpins Is Associated with High Anaerobic Enzyme Activity in Brain but Not in Liver or Muscle. <i>Physiological and Biochemical Zoology</i> , 2013, 86, 92-105.	1.5	76
3	Critical oxygen tensions as predictors of hypoxia tolerance and tissue metabolic responses during hypoxia exposure in fishes. <i>Journal of Experimental Marine Biology and Ecology</i> , 2013, 449, 239-249.	1.5	62
4	The Osmorespiratory Compromise in Sculpins: Impaired Gas Exchange Is Associated with Freshwater Tolerance. <i>Physiological and Biochemical Zoology</i> , 2008, 81, 310-319.	1.5	46
5	The response of the tidepool sculpin, <i>Oligocottus maculosus</i> , to hypoxia in laboratory, mesocosm and field environments. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2008, 149, 284-292.	1.8	44
6	Don't throw the fish out with the respirometry water. <i>Journal of Experimental Biology</i> , 2019, 222, .	1.7	43
7	Escaping to the Surface: A Phylogenetically Independent Analysis of Hypoxia-Induced Respiratory Behaviors in Sculpins. <i>Physiological and Biochemical Zoology</i> , 2009, 82, 730-738.	1.5	36
8	Can variation among hypoxic environments explain why different fish species use different hypoxic survival strategies?. <i>Journal of Experimental Biology</i> , 2018, 221, .	1.7	34
9	Evolution of Cytochrome c Oxidase in Hypoxia Tolerant Sculpins (Cottidae, Actinopterygii). <i>Molecular Biology and Evolution</i> , 2017, 34, 2153-2162.	8.9	27
10	Divergent transcriptional patterns are related to differences in hypoxia tolerance between the intertidal and the subtidal sculpins. <i>Molecular Ecology</i> , 2014, 23, 6091-6103.	3.9	22
11	Breathing with fins: do the pectoral fins of larval fishes play a respiratory role?. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2020, 318, R89-R97.	1.8	21
12	Loss of hypoxia-inducible factor 1 α affects hypoxia tolerance in larval and adult zebrafish (<i>Danio rerio</i>). <i>Journal of Experimental Biology</i> , 2010, 223, 1075-1083.	2.6	18
13	Hif-1 α paralogs play a role in the hypoxic ventilatory response of larval and adult zebrafish (<i>Danio rerio</i>). <i>Journal of Experimental Biology</i> , 2011, 224, 1075-1083.	1.7	16
14	The evolutionary and physiological significance of the Hif pathway in teleost fishes. <i>Journal of Experimental Biology</i> , 2021, 224, .	1.7	16
15	Ethanol metabolism varies with hypoxia tolerance in ten cyprinid species. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2018, 188, 283-293.	1.5	15
16	Evaluating the physiological significance of hypoxic hyperventilation in larval zebrafish (<i>Danio rerio</i>). <i>Journal of Experimental Biology</i> , 2010, 223, 1075-1083.	1.7	15
17	Metabolic recovery in goldfish: A comparison of recovery from severe hypoxia exposure and exhaustive exercise. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2008, 148, 332-338.	2.6	14
18	Relationships between the peak hypoxic ventilatory response and critical O ₂ tension in larval and adult zebrafish (<i>Danio rerio</i>). <i>Journal of Experimental Biology</i> , 2020, 223, .	1.7	12

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19	Variable gene transcription underlies phenotypic convergence of hypoxia tolerance in sculpins. <i>BMC Evolutionary Biology</i> , 2018, 18, 163.	3.2	7
20	Use of a carbonic anhydrase Ca17a knockout to investigate mechanisms of ion uptake in zebrafish (<i>Danio rerio</i>). <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2021, 320, R55-R68.	1.8	6
21	Hypoxia inducible factor 1- β is minimally involved in determining the time domains of the hypoxic ventilatory response in adult zebrafish (<i>Danio rerio</i>). <i>Respiratory Physiology and Neurobiology</i> , 2021, 294, 103774.	1.6	5
22	Aquatic surface respiration improves survival during hypoxia in zebrafish (<i>Danio rerio</i>) lacking hypoxia-inducible factor 1- β . <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2022, 289, 20211863.	2.6	2