

John O Onukwufor

List of Publications by Year in descending order

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papers

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1040056

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times ranked

328
citing authors

#	ARTICLE	IF	CITATIONS
1	The osmorepiratory compromise in marine flatfish: differential effects of temperature, salinity, and hypoxia on diffusive water flux and oxygen consumption of English sole (<i>Parophrys vetulus</i>) and Pacific sanddab (<i>Citharichthys sordidus</i>). <i>Marine Biology</i> , 2022, 169, 1.	1.5	3
2	Iron Dysregulation in Mitochondrial Dysfunction and Alzheimer's Disease. <i>Antioxidants</i> , 2022, 11, 692.	5.1	30
3	A reversible mitochondrial complex I thiol switch mediates hypoxic avoidance behavior in <i>C. elegans</i> . <i>Nature Communications</i> , 2022, 13, 2403.	12.8	13
4	Quantification of reactive oxygen species production by the red fluorescent proteins KillerRed, SuperNova and mCherry. <i>Free Radical Biology and Medicine</i> , 2020, 147, 1-7.	2.9	31
5	Interactive effects of temperature and hypoxia on diffusive water flux and oxygen uptake rate in the tidepool sculpin, <i>Oligocottus maculosus</i> . <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2020, 250, 110781.	1.8	8
6	Osmorepiratory Compromise in Zebrafish (<i>Danio rerio</i>): Effects of Hypoxia and Acute Thermal Stress on Oxygen Consumption, Diffusive Water Flux, and Sodium Net Loss Rates. <i>Zebrafish</i> , 2020, 17, 400-411.	1.1	7
7	Ionoregulatory aspects of the hypoxia-induced osmorepiratory compromise in the euryhaline Atlantic killifish (<i>Fundulus heteroclitus</i>): the effects of salinity. <i>Journal of Experimental Biology</i> , 2020, 223, .	1.7	11
8	Reverse translation: effects of acclimation temperature and acute temperature challenges on oxygen consumption, diffusive water flux, net sodium loss rates, Q10 values and mass scaling coefficients in the rainbow trout (<i>Oncorhynchus mykiss</i>). <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2020, 190, 205-217.	1.5	10
9	Physiologic Implications of Reactive Oxygen Species Production by Mitochondrial Complex I Reverse Electron Transport. <i>Antioxidants</i> , 2019, 8, 285.	5.1	57
10	The osmorepiratory compromise in rainbow trout (<i>Oncorhynchus mykiss</i>): The effects of fish size, hypoxia, temperature and strenuous exercise on gill diffusive water fluxes and sodium net loss rates. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2018, 219-220, 10-18.	1.8	48
11	Combined effects of cadmium, temperature and hypoxia-reoxygenation on mitochondrial function in rainbow trout (<i>Oncorhynchus mykiss</i>). <i>Aquatic Toxicology</i> , 2017, 182, 129-141.	4.0	28
12	Hypoxia-reoxygenation differentially alters the thermal sensitivity of complex I basal and maximal mitochondrial oxidative capacity. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2016, 201, 87-94.	1.8	18
13	Modulation of cadmium-induced mitochondrial dysfunction and volume changes by temperature in rainbow trout (<i>Oncorhynchus mykiss</i>). <i>Aquatic Toxicology</i> , 2015, 158, 75-87.	4.0	29
14	Evaluation of Heavy Metals in Local Chickens sold at Central Markets in Ado-Ekiti, Akure and Owena Towns. <i>Asian Journal of Chemical Sciences</i> , 0, , 38-44.	0.4	0