John O Onukwufor

List of Publications by Year
in descending order

14	293	1040056 9	1125743 13
papers	citations	h-index	g-index

14	14	14	328
all docs	docs citations	times ranked	citing authors

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