

Leslie T Buck

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

1,147
citations

623734

14
h-index

677142

22
g-index

24
all docs

24
docs citations

24
times ranked

1182
citing authors

#	ARTICLE	IF	CITATIONS
1	Hypoxia Tolerance in Reptiles, Amphibians, and Fishes: Life with Variable Oxygen Availability. Annual Review of Physiology, 2007, 69, 145-170.	13.1	544
2	Hypoxia-Induced Silencing of NMDA Receptors in Turtle Neurons. Journal of Neuroscience, 2000, 20, 3522-3528.	3.6	106
3	Sensing and surviving hypoxia in vertebrates. Annals of the New York Academy of Sciences, 2016, 1365, 43-58.	3.8	68
4	Matching cellular metabolic supply and demand in energy-stressed animals. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2009, 153, 95-105.	1.8	62
5	Endogenous GABA _A and GABA _B receptor-mediated electrical suppression is critical to neuronal anoxia tolerance. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 11274-11279.	7.1	61
6	Time-dependent expression of heat shock proteins 70 and 90 in tissues of the anoxic western painted turtle. Journal of Experimental Biology, 2004, 207, 3775-3784.	1.7	56
7	The hypoxia-tolerant vertebrate brain: Arresting synaptic activity. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2018, 224, 61-70.	1.6	42
8	Evidence of anoxia-induced channel arrest in the brain of the goldfish (<i>Carassius auratus</i>). Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2008, 148, 355-362.	2.6	29
9	Decreases in mitochondrial reactive oxygen species initiate GABA _A receptor-mediated electrical suppression in anoxia-tolerant turtle neurons. Journal of Physiology, 2015, 593, 2311-2326.	2.9	29
10	Transcriptomic Responses of the Heart and Brain to Anoxia in the Western Painted Turtle. PLoS ONE, 2015, 10, e0131669.	2.5	29
11	The relationship between NMDA receptor function and the high ammonia tolerance of anoxia-tolerant goldfish. Journal of Experimental Biology, 2011, 214, 4107-4120.	1.7	26
12	Scavenging ROS dramatically increases NMDA receptor whole cell currents in painted turtle cortical neurons. Journal of Experimental Biology, 2014, 217, 3346-55.	1.7	25
13	Excitatory actions of GABA mediate severe-hypoxia-induced depression of neuronal activity in the pond snail (<i>Lymnaea stagnalis</i>). Journal of Experimental Biology, 2006, 209, 4429-4435.	1.7	18
14	Oxygen Sensitive Synaptic Neurotransmission in Anoxia-Tolerant Turtle Cerebrocortex. Advances in Experimental Medicine and Biology, 2012, 758, 71-79.	1.6	14
15	Proteomic changes in the brain of the western painted turtle (<i>Chrysemys picta bellii</i>) during exposure to anoxia. Proteomics, 2015, 15, 1587-1597.	2.2	13
16	Taurine activates glycine and GABA _A receptor currents in anoxia-tolerant painted turtle pyramidal neurons. Journal of Experimental Biology, 2018, 221, .	1.7	7
17	Stellate and pyramidal neurons in goldfish telencephalon respond differently to anoxia and GABA receptor inhibition. Journal of Experimental Biology, 2016, 220, 695-704.	1.7	6
18	Scavenging of reactive oxygen species mimics the anoxic response in goldfish pyramidal neurons. Journal of Experimental Biology, 2021, 224, .	1.7	4

#	ARTICLE	IF	CITATIONS
19	Exposure to low temperature prepares the turtle brain to withstand anoxic environments during overwintering. <i>Journal of Experimental Biology</i> , 2021, 224, .	1.7	3
20	Assessment of anoxia tolerance and photoperiod dependence of GABAergic polarity in the pond snail <i>Lymnaea stagnalis</i> . <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2017, 203, 193-200.	1.8	2
21	Cytoskeletal Arrest: An Anoxia Tolerance Mechanism. <i>Metabolites</i> , 2021, 11, 561.	2.9	2
22	Evidence of Cold Induced Cytoskeletal Arrest in Hepatocytes of the Western Painted Turtle. <i>FASEB Journal</i> , 2021, 35, .	0.5	1
23	Anoxia-tolerant Western Painted turtle cortex is also ischemia-tolerant. <i>FASEB Journal</i> , 2012, 26, 711.2.	0.5	0
24	RNA-seq reveals a robust transcriptomic response during anoxia in the Western painted turtle. <i>FASEB Journal</i> , 2013, 27, 937.21.	0.5	0