Leslie T Buck

List of Publications by Year
in descending order

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	Scavenging of reactive oxygen species mimics the anoxic response in goldfish pyramidal neurons. Journal of Experimental Biology, 2021, 224, .	1.7	4
2	Evidence of Cold Induced Cytoskeletal Arrest in Hepatocytes of the Western Painted Turtle. FASEB Journal, 2021, 35, .	0.5	1
3	Cytoskeletal Arrest: An Anoxia Tolerance Mechanism. Metabolites, 2021, 11, 561.	2.9	2
4	Exposure to low temperature prepares the turtle brain to withstand anoxic environments during overwintering. Journal of Experimental Biology, 2021, 224, .	1.7	3
5	The hypoxia-tolerant vertebrate brain: Arresting synaptic activity. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2018, 224, 61-70.	1.6	42
6	Taurine activates glycine and GABAA receptor currents in anoxia-tolerant painted turtle pyramidal neurons. Journal of Experimental Biology, 2018, 221, .	1.7	7
7	Assessment of anoxia tolerance and photoperiod dependence of GABAergic polarity in the pond snail Lymnaea stagnalis. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2017, 203, 193-200.	1.8	2
8	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
9	Sensing and surviving hypoxia in vertebrates. Annals of the New York Academy of Sciences, 2016, 1365, 43-58.	3.8	68
10	Decreases in mitochondrial reactive oxygen species initiate GABA_A receptorâ€mediated electrical suppression in anoxiaâ€tolerant turtle neurons. Journal of Physiology, 2015, 593, 2311-2326.	2.9	29
11	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
12	Transcriptomic Responses of the Heart and Brain to Anoxia in the Western Painted Turtle. PLoS ONE, 2015, 10, e0131669.	2.5	29
13	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
14	RNAâ€seq reveals a robust transcriptomic response during anoxia in the Western painted turtle. FASEB Journal, 2013, 27, 937.21.	0.5	0
15	Oxygen Sensitive Synaptic Neurotransmission in Anoxia-Tolerant Turtle Cerebrocortex. Advances in Experimental Medicine and Biology, 2012, 758, 71-79.	1.6	14
16	Anoxiaâ€tolerant Western Painted turtle cortex is also ischemiaâ€tolerant. FASEB Journal, 2012, 26, 711.2.	0.5	0
17	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
18	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

#	Article	IF	Citations
19	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
20	Evidence of anoxia-induced channel arrest in the brain of the goldfish (Carassius auratus). Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2008, 148, 355-362.	2.6	29
21	Hypoxia Tolerance in Reptiles, Amphibians, and Fishes: Life with Variable Oxygen Availability. Annual Review of Physiology, 2007, 69, 145-170.	13.1	544
22	Excitatory actions of GABA mediate severe-hypoxia-induced depression of neuronal activity in the pond snail (Lymnaea stagnalis). Journal of Experimental Biology, 2006, 209, 4429-4435.	1.7	18
23	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
24	Hypoxia-Induced Silencing of NMDA Receptors in Turtle Neurons. Journal of Neuroscience, 2000, 20, 3522-3528.	3.6	106