John Larson

List of Publications by Year
in descending order

62 papers	6,592 citations	109264 35 h-index	128225 60 g-index
63 all docs	63 docs citations	63 times ranked	5782 citing authors

#	Article	IF	Citations
1	The naked truth: a comprehensive clarification and classification of current â€˜mythsâ€™ in naked moleâ€rat biology. Biological Reviews, 2022, 97, 115-140.	4.7	62
2	Extracellular ATP-Induced Alterations in Extracellular H+ Fluxes From Cultured Cortical and Hippocampal Astrocytes. Frontiers in Cellular Neuroscience, 2021, 15, 640217.	1.8	5
3	Synaptic and Network Contributions to Anoxic Depolarization in Mouse Hippocampal Slices. Neuroscience, 2021, 461, 102-117.	1.1	5
4	African Naked Mole-Rats Demonstrate Extreme Tolerance to Hypoxia and Hypercapnia. Advances in Experimental Medicine and Biology, 2021, 1319, 255-269.	0.8	25
5	Fructose-driven glycolysis supports anoxia resistance in the naked mole-rat. Science, 2017, 356, 307-311.	6.0	503
6	Synaptic transmission despite severe hypoxia in hippocampal slices of the deep-diving hooded seal. Neuroscience, 2016, 334, 39-46.	1.1	15
7	A multifunctional therapeutic approach to disease modification in multiple familial mouse models and a novel sporadic model of Alzheimerâ€™s disease. Molecular Neurodegeneration, 2016, 11, 35.	4.4	27
8	Protracted brain development in a rodent model of extreme longevity. Scientific Reports, 2015, 5, 11592.	1.6	48
9	Theta-burst LTP. Brain Research, 2015, 1621, 38-50.	1.1	203
10	No oxygen? No problem! Intrinsic brain tolerance to hypoxia in vertebrates. Journal of Experimental Biology, 2014, 217, 1024-1039.	0.8	128
11	An NO Donor Approach to Neuroprotective and Procognitive Estrogen Therapy Overcomes Loss of NO Synthase Function and Potentially Thrombotic Risk. PLoS ONE, 2013, 8, e70740.	1.1	5
12	Evidence for loss of synaptic AMPA receptors in anterior piriform cortex of aged mice. Frontiers in Aging Neuroscience, 2013, 5, 39.	1.7	20
13	Adult naked mole-rat brain retains the NMDA receptor subunit GluN2D associated with hypoxia tolerance in neonatal mammals. Neuroscience Letters, 2012, 506, 342-345.	1.0	50
14	Primary micro<scp>RNA</scp> precursor transcripts are localized at postâ€synaptic densities in adult mouse forebrain. Journal of Neurochemistry, 2012, 123, 459-466.	2.1	40
15	Synaptic NMDA receptor-mediated currents in anterior piriform cortex are reduced in the adult fragile X mouse. Neuroscience, 2012, 221, 170-181.	1.1	25
16	Blunted Neuronal Calcium Response to Hypoxia in Naked Mole-Rat Hippocampus. PLoS ONE, 2012, 7, e31568.	1.1	61
17	Impaired survival of neural progenitor cells in dentate gyrus of adult mice lacking FMRP. Hippocampus, 2012, 22, 1220-1224.	0.9	19
18	Mitochondrial small RNAs that are up-regulated in hippocampus during olfactory discrimination training in mice. Mitochondrion, 2011, 11, 994-995.	1.6	21

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19	Endogenous siRNAs and noncoding RNA-derived small RNAs are expressed in adult mouse hippocampus and are up-regulated in olfactory discrimination training. Rna, 2011, 17, 166-181.	1.6	59
20	Olfactory Discrimination Training Up-Regulates and Reorganizes Expression of MicroRNAs in Adult Mouse Hippocampus. ASN Neuro, 2010, 2, AN20090055.	1.5	34
21	Complex environment experience rescues impaired neurogenesis, enhances synaptic plasticity, and attenuates neuropathology in familial Alzheimer's diseaseâ€linked APPswe/PS1Î"E9 mice. FASEB Journal, 2010, 24, 1667-1681.	0.2	162
22	Impaired olfactory discrimination learning and decreased olfactory sensitivity in aged C57Bl/6 mice. Neurobiology of Aging, 2009, 30, 829-837.	1.5	51
23	Extreme hypoxia tolerance of naked mole-rat brain. NeuroReport, 2009, 20, 1634-1637.	0.6	129
24	Expression of microRNAs and their precursors in synaptic fractions of adult mouse forebrain. Journal of Neurochemistry, 2008, 106, 650-661.	2.1	241
25	Olfactory discrimination learning in mice lacking the fragile X mental retardation protein. Neurobiology of Learning and Memory, 2008, 90, 90-102.	1.0	23
26	Impaired hippocampal long-term potentiation in melatonin MT2 receptor-deficient mice. Neuroscience Letters, 2006, 393, 23-26.	1.0	108
27	Dicer and eIF2c are enriched at postsynaptic densities in adult mouse brain and are modified by neuronal activity in a calpain-dependent manner. Journal of Neurochemistry, 2005, 94, 896-905.	2.1	250
28	Age-Dependent and Selective Impairment of Long-Term Potentiation in the Anterior Piriform Cortex of Mice Lacking the Fragile X Mental Retardation Protein. Journal of Neuroscience, 2005, 25, 9460-9469.	1.7	119
29	Olfactory discrimination learning deficit in heterozygous reeler mice. Brain Research, 2003, 971, 40-46.	1.1	67
30	Immunocytochemical localization of reelin in the olfactory bulb of the heterozygous reeler mouse: An animal model for schizophrenia. Neurological Research, 2003, 25, 819-830.	0.6	22
31	Automated study of simultaneous-cue olfactory discrimination learning in adult mice.. Behavioral Neuroscience, 2002, 116, 588-599.	0.6	18
32	Automated study of simultaneous-cue olfactory discrimination learning in adult mice. Behavioral Neuroscience, 2002, 116, 588-99.	0.6	8
33	Peripheral administration of a serine protease inhibitor blocks kindling. Brain Research, 2000, 861, 178-180.	1.1	7
34	Alterations in synaptic transmission and long-term potentiation in hippocampal slices from young and aged PDAPP mice. Brain Research, 1999, 840, 23-35.	1.1	251
35	Activation of NMDA receptors stimulates extracellular proteolysis of cell adhesion molecules in hippocampus. Brain Research, 1998, 811, 152-155.	1.1	43
36	Comparison of the effects of an ampakine with those of methamphetamine on aggregate neuronal activity in cortex versus striatum. Molecular Brain Research, 1997, 46, 127-135.	2.5	18

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37	Effects of an AMPA receptor modulator on methamphetamine-induced hyperactivity in rats. Brain Research, 1996, 738, 353-356.	1.1	41
38	Further characteristics of long-term potentiation in piriform cortex. Synapse, 1994, 18, 298-306.	0.6	20
39	Effects of cyclothiazide on synaptic responses in slices of adult and neonatal rat hippocampus. NeuroReport, 1994, 5, 389-392.	0.6	33
40	Waveform analysis suggests that LTP alters the kinetics of synaptic receptor channels. Brain Research, 1993, 620, 237-244.	1.1	29
41	Reversal of LTP by theta frequency stimulation. Brain Research, 1993, 600, 97-102.	1.1	137
42	Translational suppression of a glutamate receptor subunit impairs long-term potentiation. Synapse, 1992, 12, 333-337.	0.6	44
43	A test of the spine resistance hypothesis for LTP expression. Brain Research, 1991, 538, 347-350.	1.1	16
44	Evidence that changes in spine neck resistance are not responsible for expression of LTP. Synapse, 1991, 7, 216-220.	0.6	14
45	LTP changes the waveform of synaptic responses. Synapse, 1991, 9, 314-316.	0.6	29
46	Short-Latency Single Unit Processing in Olfactory Cortex. Journal of Cognitive Neuroscience, 1991, 3, 293-299.	1.1	49
47	Chapter 17 Chapter The nature and causes of hippocampal long-term potentiation. Progress in Brain Research, 1990, 83, 233-250.	0.9	111
48	Mossy fiber potentiation and long-term potentiation involve different expression mechanisms. Synapse, 1990, 5, 333-335.	0.6	92
49	Long-term potentiation of monosynaptic EPSPS in rat piroform cortex in vitro. Synapse, 1990, 6, 279-283.	0.6	120
50	Anoxia reveals a vulnerable period in the development of long-term potentiation. Brain Research, 1990, 511, 353-357.	1.1	90
51	Development of hippocampal long-term potentiation is reduced by recently introduced calpain inhibitors. Brain Research, 1990, 530, 91-95.	1.1	93
52	Theta pattern stimulation and the induction of LTP: the sequence in which synapses are stimulated determines the degree to which they potentiate. Brain Research, 1989, 489, 49-58.	1.1	119
53	The NMDA receptor-mediated components of responses evoked by patterned stimulation are not increased by long-term potentiation. Brain Research, 1989, 477, 396-399.	1.1	34
54	Some Possible Functions of Simple Cortical Networks Suggested by Computer Modeling. , 1989, , 329-362.		2

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55	Some Possible Functions of Simple Cortical Networks Suggested by Computer Modeling. , 1989, , 329-362.		0
56	Lesions of entorhinal cortex produce a calpain-mediated degradation of brain spectrin in dentate gyrus. I. Biochemical studies. Brain Research, 1988, 459, 226-232.	1.1	73
57	Stimulation of NMDA receptors induces proteolysis of spectrin in hippocampus. Brain Research, 1988, 460, 189-194.	1.1	143
58	Role of N-methyl-D-aspartate receptors in the induction of synaptic potentiation by burst stimulation patterned after the hippocampal Î¸-rhythm. Brain Research, 1988, 441, 111-118.	1.1	237
59	Long-term potentiation: Persisting problems and recent results. Brain Research Bulletin, 1988, 21, 363-372.	1.4	81
60	New perspecties on the phusiology, chemistry, and pharmacology of memory. Drug Development Research, 1987, 10, 295-315.	1.4	8
61	Patterned stimulation at the theta frequency is optimal for the induction of hippocampal long-term potentiation. Brain Research, 1986, 368, 347-350.	1.1	1,045
62	Intracellular injections of EGTA block induction of hippocampal long-term potentiation. Nature, 1983, 305, 719-721.	13.7	1,060