Bryan W Luikart

List of Publications by Year
in descending order

36	4,122	304368	377514
papers	citations	22 h-index	34 g-index

37	37	37	6159
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Pten Regulates Neuronal Arborization and Social Interaction in Mice. Neuron, 2006, 50, 377-388.	3.8	897
2	TrkB Regulates Hippocampal Neurogenesis and Governs Sensitivity to Antidepressive Treatment. Neuron, 2008, 59, 399-412.	3.8	549
3	Brain-Derived Neurotrophic Factor Conditional Knockouts Show Gender Differences in Depression-Related Behaviors. Biological Psychiatry, 2007, 61, 187-197.	0.7	456
4	microRNA-132 regulates dendritic growth and arborization of newborn neurons in the adult hippocampus. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 20382-20387.	3.3	382
5	Conditional Deletion of TrkB but Not BDNF Prevents Epileptogenesis in the Kindling Model. Neuron, 2004, 43, 31-42.	3.8	287
6	DREADDS: Use and application in behavioral neuroscience.. Behavioral Neuroscience, 2016, 130, 137-155.	0.6	199
7	miR-132 Mediates the Integration of Newborn Neurons into the Adult Dentate Gyrus. PLoS ONE, 2011, 6, e19077.	1.1	152
8	TrkB Has a Cell-Autonomous Role in the Establishment of Hippocampal Schaffer Collateral Synapses. Journal of Neuroscience, 2005, 25, 3774-3786.	1.7	146
9	Pten KnockdownIn VivoIncreases Excitatory Drive onto Dentate Granule Cells. Journal of Neuroscience, 2011, 31, 4345-4354.	1.7	128
10	Hyperactivity of Newborn Pten Knock-out Neurons Results from Increased Excitatory Synaptic Drive. Journal of Neuroscience, 2015, 35, 943-959.	1.7	107
11	Neurotrophin-Dependent Dendritic Filopodial Motility: A Convergence on PI3K Signaling. Journal of Neuroscience, 2008, 28, 7006-7012.	1.7	98
12	Chemogenetic Silencing of Neurons in Retrosplenial Cortex Disrupts Sensory Preconditioning. Journal of Neuroscience, 2014, 34, 10982-10988.	1.7	97
13	The zinc finger transcription factor Klf7 is required for TrkA gene expression and development of nociceptive sensory neurons. Genes and Development, 2005, 19, 1354-1364.	2.7	73
14	Analyzing Clustered Data: Why and How to Account for Multiple Observations Nested within a Study Participant?. PLoS ONE, 2016, 11, e0146721.	1.1	67
15	Conditional ablation of brain-derived neurotrophic factor-TrkB signaling impairs striatal neuron development. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 15491-15496.	3.3	65
16	Receptor tyrosine kinase B-mediated excitatory synaptogenesis. Progress in Brain Research, 2006, 157, 15-383.	0.9	42
17	A Retroviral CRISPR-Cas9 System for Cellular Autism-Associated Phenotype Discovery in Developing Neurons. Scientific Reports, 2016, 6, 25611.	1.6	36
18	Rapamycin prevents, but does not reverse, aberrant migration in Pten knockout neurons. Neurobiology of Disease, 2016, 93, 12-20.	2.1	34

#	Article	IF	Citations
19	Neural Injury Alters Proliferation and Integration of Adult-Generated Neurons in the Dentate Gyrus. Journal of Neuroscience, 2013, 33, 4754-4767.	1.7	32
20	MiR-338-3p regulates neuronal maturation and suppresses glioblastoma proliferation. PLoS ONE, 2017, 12, e0177661.	1.1	31
21	The Role of PTEN in Neurodevelopment. Molecular Neuropsychiatry, 2019, 5, 60-71.	3.0	29
22	Dentate gyrus neurogenesis, integration and microRNAs. Behavioural Brain Research, 2012, 227, 348-355.	1.2	27
23	Cognitive Deficits Associated with Nav1.1 Alterations: Involvement of Neuronal Firing Dynamics and Oscillations. PLoS ONE, 2016, 11, e0151538.	1.1	27
24	Pten loss results in inappropriate excitatory connectivity. Molecular Psychiatry, 2019, 24, 1627-1640.	4.1	26
25	Nuclear Excluded Autism-Associated Phosphatase and Tensin Homolog Mutations Dysregulate Neuronal Growth. Biological Psychiatry, 2018, 84, 265-277.	0.7	25
26	Fatty acids increase neuronal hypertrophy of Pten knockdown neurons. Frontiers in Molecular Neuroscience, 2014, 7, 30.	1.4	19
27	A recombinant lentiviral PDGF-driven mouse model of proneural glioblastoma. Neuro-Oncology, 2018, 20, 332-342.	0.6	16
28	Designing, Packaging, and Delivery of High Titer CRISPR Retro and Lentiviruses via Stereotaxic Injection. Journal of Visualized Experiments, 2016, , .	0.2	15
29	Striking a balance: PIP2 and PIP3 signaling in neuronal health and disease. , 2021, 1, 86-100.		14
30	Activity-dependent dendritic elaboration requires Pten. Neurobiology of Disease, 2020, 134, 104703.	2.1	13
31	Restrained Dendritic Growth of Adult-Born Granule Cells Innervated by Transplanted Fetal GABAergic Interneurons in Mice with Temporal Lobe Epilepsy. ENeuro, 2019, 6, ENEURO.0110-18.2019.	0.9	12
32	PTEN Regulates Dendritic Arborization by Decreasing Microtubule Polymerization Rate. Journal of Neuroscience, 2022, 42, 1945-1957.	1.7	11
33	Pten heterozygosity restores neuronal morphology in fragile X syndrome mice. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, e2109448119.	3.3	7
34	The Role of Neurogenesis in Brain Disorders. Brain Plasticity, 2018, 3, 117-118.	1.9	2
35	A Neurodevelopmental Perspective for Autism-Associated Gene Function. OBM Neurobiology, 2017, 01, 1-1.	0.2	1
36	Can fearlessness come in a tiny package?. ELife, 2017, 6, .	2.8	0