

Bryan W Luikart

List of Publications by Year in descending order

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Version: 2024-02-01

36
papers

4,122
citations

304743

22
h-index

377865

34
g-index

37
all docs

37
docs citations

37
times ranked

6159
citing authors

#	ARTICLE	IF	CITATIONS
1	PTEN Regulates Dendritic Arborization by Decreasing Microtubule Polymerization Rate. <i>Journal of Neuroscience</i> , 2022, 42, 1945-1957.	3.6	11
2	<i>Pten</i> heterozygosity restores neuronal morphology in fragile X syndrome mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, e2109448119.	7.1	7
3	Striking a balance: PIP2 and PIP3 signaling in neuronal health and disease. , 2021, 1, 86-100.		14
4	Activity-dependent dendritic elaboration requires Pten. <i>Neurobiology of Disease</i> , 2020, 134, 104703.	4.4	13
5	Pten loss results in inappropriate excitatory connectivity. <i>Molecular Psychiatry</i> , 2019, 24, 1627-1640.	7.9	26
6	The Role of PTEN in Neurodevelopment. <i>Molecular Neuropsychiatry</i> , 2019, 5, 60-71.	2.9	29
7	Restrained Dendritic Growth of Adult-Born Granule Cells Innervated by Transplanted Fetal GABAergic Interneurons in Mice with Temporal Lobe Epilepsy. <i>ENeuro</i> , 2019, 6, ENEURO.0110-18.2019.	1.9	12
8	Nuclear Excluded Autism-Associated Phosphatase and Tensin Homolog Mutations Dysregulate Neuronal Growth. <i>Biological Psychiatry</i> , 2018, 84, 265-277.	1.3	25
9	A recombinant lentiviral PDGF-driven mouse model of proneural glioblastoma. <i>Neuro-Oncology</i> , 2018, 20, 332-342.	1.2	16
10	The Role of Neurogenesis in Brain Disorders. <i>Brain Plasticity</i> , 2018, 3, 117-118.	3.5	2
11	MiR-338-3p regulates neuronal maturation and suppresses glioblastoma proliferation. <i>PLoS ONE</i> , 2017, 12, e0177661.	2.5	31
12	A Neurodevelopmental Perspective for Autism-Associated Gene Function. <i>OBM Neurobiology</i> , 2017, 01, 1-1.	0.6	1
13	Can fearlessness come in a tiny package?. <i>ELife</i> , 2017, 6, .	6.0	0
14	A Retroviral CRISPR-Cas9 System for Cellular Autism-Associated Phenotype Discovery in Developing Neurons. <i>Scientific Reports</i> , 2016, 6, 25611.	3.3	36
15	Rapamycin prevents, but does not reverse, aberrant migration in Pten knockout neurons. <i>Neurobiology of Disease</i> , 2016, 93, 12-20.	4.4	34
16	DREADDS: Use and application in behavioral neuroscience.. <i>Behavioral Neuroscience</i> , 2016, 130, 137-155.	1.2	199
17	Designing, Packaging, and Delivery of High Titer CRISPR Retro and Lentiviruses via Stereotaxic Injection. <i>Journal of Visualized Experiments</i> , 2016, , .	0.3	15
18	Analyzing Clustered Data: Why and How to Account for Multiple Observations Nested within a Study Participant?. <i>PLoS ONE</i> , 2016, 11, e0146721.	2.5	67

#	ARTICLE	IF	CITATIONS
19	Cognitive Deficits Associated with Nav1.1 Alterations: Involvement of Neuronal Firing Dynamics and Oscillations. PLoS ONE, 2016, 11, e0151538.	2.5	27
20	Hyperactivity of Newborn Pten Knock-out Neurons Results from Increased Excitatory Synaptic Drive. Journal of Neuroscience, 2015, 35, 943-959.	3.6	107
21	Fatty acids increase neuronal hypertrophy of Pten knockdown neurons. Frontiers in Molecular Neuroscience, 2014, 7, 30.	2.9	19
22	Chemogenetic Silencing of Neurons in Retrosplenial Cortex Disrupts Sensory Preconditioning. Journal of Neuroscience, 2014, 34, 10982-10988.	3.6	97
23	Neural Injury Alters Proliferation and Integration of Adult-Generated Neurons in the Dentate Gyrus. Journal of Neuroscience, 2013, 33, 4754-4767.	3.6	32
24	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.	7.1	65
25	Dentate gyrus neurogenesis, integration and microRNAs. Behavioural Brain Research, 2012, 227, 348-355.	2.2	27
26	Pten Knockdown <i>In Vivo</i> Increases Excitatory Drive onto Dentate Granule Cells. Journal of Neuroscience, 2011, 31, 4345-4354.	3.6	128
27	miR-132 Mediates the Integration of Newborn Neurons into the Adult Dentate Gyrus. PLoS ONE, 2011, 6, e19077.	2.5	152
28	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.	7.1	382
29	TrkB Regulates Hippocampal Neurogenesis and Governs Sensitivity to Antidepressive Treatment. Neuron, 2008, 59, 399-412.	8.1	549
30	Neurotrophin-Dependent Dendritic Filopodial Motility: A Convergence on PI3K Signaling. Journal of Neuroscience, 2008, 28, 7006-7012.	3.6	98
31	Brain-Derived Neurotrophic Factor Conditional Knockouts Show Gender Differences in Depression-Related Behaviors. Biological Psychiatry, 2007, 61, 187-197.	1.3	456
32	Receptor tyrosine kinase B-mediated excitatory synaptogenesis. Progress in Brain Research, 2006, 157, 15-383.	1.4	42
33	Pten Regulates Neuronal Arborization and Social Interaction in Mice. Neuron, 2006, 50, 377-388.	8.1	897
34	TrkB Has a Cell-Autonomous Role in the Establishment of Hippocampal Schaffer Collateral Synapses. Journal of Neuroscience, 2005, 25, 3774-3786.	3.6	146
35	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.	5.9	73
36	Conditional Deletion of TrkB but Not BDNF Prevents Epileptogenesis in the Kindling Model. Neuron, 2004, 43, 31-42.	8.1	287