

Bryan W Luikart

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3919056/publications.pdf>

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 Neuronal Arborization and Social Interaction in Mice. <i>Neuron</i> , 2006, 50, 377-388.	8.1	897
2	TrkB Regulates Hippocampal Neurogenesis and Governs Sensitivity to Antidepressive Treatment. <i>Neuron</i> , 2008, 59, 399-412.	8.1	549
3	Brain-Derived Neurotrophic Factor Conditional Knockouts Show Gender Differences in Depression-Related Behaviors. <i>Biological Psychiatry</i> , 2007, 61, 187-197.	1.3	456
4	microRNA-132 regulates dendritic growth and arborization of newborn neurons in the adult hippocampus. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 20382-20387.	7.1	382
5	Conditional Deletion of TrkB but Not BDNF Prevents Epileptogenesis in the Kindling Model. <i>Neuron</i> , 2004, 43, 31-42.	8.1	287
6	DREADDS: Use and application in behavioral neuroscience.. <i>Behavioral Neuroscience</i> , 2016, 130, 137-155.	1.2	199
7	miR-132 Mediates the Integration of Newborn Neurons into the Adult Dentate Gyrus. <i>PLoS ONE</i> , 2011, 6, e19077.	2.5	152
8	TrkB Has a Cell-Autonomous Role in the Establishment of Hippocampal Schaffer Collateral Synapses. <i>Journal of Neuroscience</i> , 2005, 25, 3774-3786.	3.6	146
9	Pten Knockdown <i>In Vivo</i> Increases Excitatory Drive onto Dentate Granule Cells. <i>Journal of Neuroscience</i> , 2011, 31, 4345-4354.	3.6	128
10	Hyperactivity of Newborn Pten Knock-out Neurons Results from Increased Excitatory Synaptic Drive. <i>Journal of Neuroscience</i> , 2015, 35, 943-959.	3.6	107
11	Neurotrophin-Dependent Dendritic Filopodial Motility: A Convergence on PI3K Signaling. <i>Journal of Neuroscience</i> , 2008, 28, 7006-7012.	3.6	98
12	Chemogenetic Silencing of Neurons in Retrosplenial Cortex Disrupts Sensory Preconditioning. <i>Journal of Neuroscience</i> , 2014, 34, 10982-10988.	3.6	97
13	The zinc finger transcription factor Klf7 is required for TrkA gene expression and development of nociceptive sensory neurons. <i>Genes and Development</i> , 2005, 19, 1354-1364.	5.9	73
14	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
15	Conditional ablation of brain-derived neurotrophic factor-TrkB signaling impairs striatal neuron development. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 15491-15496.	7.1	65
16	Receptor tyrosine kinase B-mediated excitatory synaptogenesis. <i>Progress in Brain Research</i> , 2006, 157, 15-383.	1.4	42
17	A Retroviral CRISPR-Cas9 System for Cellular Autism-Associated Phenotype Discovery in Developing Neurons. <i>Scientific Reports</i> , 2016, 6, 25611.	3.3	36
18	Rapamycin prevents, but does not reverse, aberrant migration in Pten knockout neurons. <i>Neurobiology of Disease</i> , 2016, 93, 12-20.	4.4	34

#	ARTICLE	IF	CITATIONS
19	Neural Injury Alters Proliferation and Integration of Adult-Generated Neurons in the Dentate Gyrus. <i>Journal of Neuroscience</i> , 2013, 33, 4754-4767.	3.6	32
20	MiR-338-3p regulates neuronal maturation and suppresses glioblastoma proliferation. <i>PLoS ONE</i> , 2017, 12, e0177661.	2.5	31
21	The Role of PTEN in Neurodevelopment. <i>Molecular Neuropsychiatry</i> , 2019, 5, 60-71.	2.9	29
22	Dentate gyrus neurogenesis, integration and microRNAs. <i>Behavioural Brain Research</i> , 2012, 227, 348-355.	2.2	27
23	Cognitive Deficits Associated with Nav1.1 Alterations: Involvement of Neuronal Firing Dynamics and Oscillations. <i>PLoS ONE</i> , 2016, 11, e0151538.	2.5	27
24	Pten loss results in inappropriate excitatory connectivity. <i>Molecular Psychiatry</i> , 2019, 24, 1627-1640.	7.9	26
25	Nuclear Excluded Autism-Associated Phosphatase and Tensin Homolog Mutations Dysregulate Neuronal Growth. <i>Biological Psychiatry</i> , 2018, 84, 265-277.	1.3	25
26	Fatty acids increase neuronal hypertrophy of Pten knockdown neurons. <i>Frontiers in Molecular Neuroscience</i> , 2014, 7, 30.	2.9	19
27	A recombinant lentiviral PDGF-driven mouse model of proneural glioblastoma. <i>Neuro-Oncology</i> , 2018, 20, 332-342.	1.2	16
28	Designing, Packaging, and Delivery of High Titer CRISPR Retro and Lentiviruses via Stereotaxic Injection. <i>Journal of Visualized Experiments</i> , 2016, , .	0.3	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. <i>Neurobiology of Disease</i> , 2020, 134, 104703.	4.4	13
31	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
32	PTEN Regulates Dendritic Arborization by Decreasing Microtubule Polymerization Rate. <i>Journal of Neuroscience</i> , 2022, 42, 1945-1957.	3.6	11
33	<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
34	The Role of Neurogenesis in Brain Disorders. <i>Brain Plasticity</i> , 2018, 3, 117-118.	3.5	2
35	A Neurodevelopmental Perspective for Autism-Associated Gene Function. <i>OBM Neurobiology</i> , 2017, 01, 1-1.	0.6	1
36	Can fearlessness come in a tiny package?. <i>ELife</i> , 2017, 6, .	6.0	0