Ji-Song Guan

List of Publications by Year
in descending order

41 papers	5,208 citations	279798 23 h-index	345221 36 g-index
44 all docs	44 docs citations	44 times ranked	7385 citing authors

#	Article	IF	Citations
1	ASH1L haploinsufficiency results in autistic-like phenotypes in mice and links Eph receptor gene to autism spectrum disorder. Neuron, 2022, 110, 1156-1172.e9.	8.1	14
2	Acquiring new memories in neocortex of hippocampal-lesioned mice. Nature Communications, 2022, 13, 1601.	12.8	12
3	Suv39h1 regulates memory stability by inhibiting the expression of Shank1 in hippocampal newborn neurons. European Journal of Neuroscience, 2022, 55, 1424-1441.	2.6	5
4	Development of Memory Circuits under Epigenetic Regulation. , 2022, , 438-453.		0
5	Detecting Abnormal Neuronal Activity in a Chronic Migraine Model by Egr1-EGFP Transgenic Mice. Frontiers in Neuroscience, 2021, 15, 705938.	2.8	2
6	Rett syndrome linked to defects in forming the MeCP2/Rbfox/LASR complex in mouse models. Nature Communications, 2021, 12, 5767.	12.8	16
7	Egr1-EGFP transgenic mouse allows in vivo recording of Egr1 expression and neural activity. Journal of Neuroscience Methods, 2021, 363, 109350.	2.5	5
8	Single Image-Based Vignetting Correction for Improving the Consistency of Neural Activity Analysis in 2-Photon Functional Microscopy. Frontiers in Neuroinformatics, 2021, 15, 674439.	2.5	0
9	Mutations in ASH1L confer susceptibility to Tourette syndrome. Molecular Psychiatry, 2020, 25, 476-490.	7.9	41
10	In vivo stress granule misprocessing evidenced in a FUS knock-in ALS mouse model. Brain, 2020, 143, 1350-1367.	7.6	42
11	Spontaneous hyperactivity in Ash1l mutant mice, a new model for Tourette syndrome. Molecular Psychiatry, 2020, 25, 241-242.	7.9	1
12	Multimodal Memory Components and Their Long-Term Dynamics Identified in Cortical Layers II/III but Not Layer V. Frontiers in Integrative Neuroscience, 2019, 13, 54.	2.1	3
13	Discrimination of the hierarchical structure of cortical layers in 2-photon microscopy data by combined unsupervised and supervised machine learning. Scientific Reports, 2019, 9, 7424.	3.3	9
14	Switching From Fear to No Fear by Different Neural Ensembles in Mouse Retrosplenial Cortex. Cerebral Cortex, 2019, 29, 5085-5097.	2.9	23
15	Implantable and Biodegradable Poly(<scp>l</scp>â€lactic acid) Fibers for Optical Neural Interfaces. Advanced Optical Materials, 2018, 6, 1700941.	7.3	92
16	Stretchable Transparent Electrode Arrays for Simultaneous Electrical and Optical Interrogation of Neural Circuits in Vivo. Nano Letters, 2018, 18, 2903-2911.	9.1	146
17	Do Brain Oscillations Orchestrate Memory?. Brain Science Advances, 2018, 4, 16-33.	0.9	14
18	Mammillary body regulates state-dependent fear by alternating cortical oscillations. Scientific Reports, 2018, 8, 13471.	3.3	13

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19	Activity-induced histone modifications govern Neurexin-1 mRNA splicing and memory preservation. Nature Neuroscience, 2017, 20, 690-699.	14.8	91
20	Epigenetic regulators sculpt the plastic brain. Frontiers in Biology, 2017, 12, 317-332.	0.7	0
21	How Does the Sparse Memory â€œEngramâ€•Neurons Encode the Memory of a Spatialâ€“Temporal Event?. Frontiers in Neural Circuits, 2016, 10, 61.	2.8	12
22	Histone methyltransferase Ash1L mediates activity-dependent repression of neurexin-1Î±. Scientific Reports, 2016, 6, 26597.	3.3	39
23	Neuron Segmentation Based on CNN with Semi-Supervised Regularization. , 2016, , .		14
24	Kinetically selective inhibitors of histone deacetylase 2 (HDAC2) as cognition enhancers. Chemical Science, 2015, 6, 804-815.	7.4	93
25	The role of epigenetic regulation in learning and memory. Experimental Neurology, 2015, 268, 30-36.	4.1	61
26	Activity-Dependent p25 Generation Regulates Synaptic Plasticity and Aβ-Induced Cognitive Impairment. Cell, 2014, 157, 486-498.	28.9	74
27	In vivo imaging of immediate early gene expression reveals layer-specific memory traces in the mammalian brain. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 2788-2793.	7.1	64
28	A One-Step Screening System for Multi-Zinc Finger Proteins Targeting a Long-DNA Sequence. Scientia Sinica Vitae, 2014, 44, 1061-1072.	0.3	0
29	3-Hydroxybutyrate methyl ester as a potential drug against Alzheimer's disease via mitochondria protection mechanism. Biomaterials, 2013, 34, 7552-7562.	11.4	113
30	Mitochondrial Alterations near Amyloid Plaques in an Alzheimer's Disease Mouse Model. Journal of Neuroscience, 2013, 33, 17042-17051.	3.6	156
31	Crebinostat: A novel cognitive enhancer that inhibits histone deacetylase activity and modulates chromatin-mediated neuroplasticity. Neuropharmacology, 2013, 64, 81-96.	4.1	87
32	An epigenetic blockade of cognitive functions in the neurodegenerating brain. Nature, 2012, 483, 222-226.	27.8	733
33	Facilitation of μ-Opioid Receptor Activity by Preventing δ-Opioid Receptor-Mediated Codegradation. Neuron, 2011, 69, 120-131.	8.1	208
34	Cdk5 Is Required for Memory Function and Hippocampal Plasticity via the cAMP Signaling Pathway. PLoS ONE, 2011, 6, e25735.	2.5	62
35	A novel pathway regulates memory and plasticity via SIRT1 and miR-134. Nature, 2010, 466, 1105-1109.	27.8	864
36	HDAC2 negatively regulates memory formation and synaptic plasticity. Nature, 2009, 459, 55-60.	27.8	1,414

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37	Distinct Subcellular Distribution of Î´-Opioid Receptor Fused with Various Tags in PC12 Cells. Neurochemical Research, 2008, 33, 2028-2034.	3.3	38
38	Deregulation of HDAC1 by p25/Cdk5 in Neurotoxicity. Neuron, 2008, 60, 803-817.	8.1	262
39	Role of delivery and trafficking of Î´-opioid peptide receptors in opioid analgesia and tolerance. Trends in Pharmacological Sciences, 2006, 27, 324-329.	8.7	88
40	Interaction with Vesicle Luminal Protachykinin Regulates Surface Expression of Î´-Opioid Receptors and Opioid Analgesia. Cell, 2005, 122, 619-631.	28.9	139
41	Activation of Delta Opioid Receptors Induces Receptor Insertion and Neuropeptide Secretion. Neuron, 2003, 37, 121-133.	8.1	158