

Xiao-bing Yuan

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

2,567
citations

394390

19
h-index

501174

28
g-index

34
all docs

34
docs citations

34
times ranked

3375
citing authors

#	ARTICLE	IF	CITATIONS
1	Essential role of TRPC channels in the guidance of nerve growth cones by brain-derived neurotrophic factor. <i>Nature</i> , 2005, 434, 894-898.	27.8	395
2	Adaptation in the chemotactic guidance of nerve growth cones. <i>Nature</i> , 2002, 417, 411-418.	27.8	388
3	Signalling and crosstalk of Rho GTPases in mediating axon guidance. <i>Nature Cell Biology</i> , 2003, 5, 38-45.	10.3	266
4	Semaphorin-3A guides radial migration of cortical neurons during development. <i>Nature Neuroscience</i> , 2008, 11, 36-44.	14.8	212
5	Nerve growth cone guidance mediated by G protein-coupled receptors. <i>Nature Neuroscience</i> , 2002, 5, 843-848.	14.8	209
6	Long-Range Ca ²⁺ Signaling from Growth Cone to Soma Mediates Reversal of Neuronal Migration Induced by Slit-2. <i>Cell</i> , 2007, 129, 385-395.	28.9	139
7	Ca ²⁺ -Dependent Regulation of Rho GTPases Triggers Turning of Nerve Growth Cones. <i>Journal of Neuroscience</i> , 2005, 25, 2338-2347.	3.6	108
8	Neuronostatin Encoded by the Somatostatin Gene Regulates Neuronal, Cardiovascular, and Metabolic Functions. <i>Journal of Biological Chemistry</i> , 2008, 283, 31949-31959.	3.4	94
9	Leading Tip Drives Soma Translocation via Forward F-Actin Flow during Neuronal Migration. <i>Journal of Neuroscience</i> , 2010, 30, 10885-10898.	3.6	85
10	SIRT1 suppresses self-renewal of adult hippocampal neural stem cells. <i>Development (Cambridge)</i> , 2014, 141, 4697-4709.	2.5	81
11	Role of IGF Signaling in Olfactory Sensory Map Formation and Axon Guidance. <i>Neuron</i> , 2008, 57, 847-857.	8.1	79
12	Migratory properties of cultured olfactory ensheathing cells by single-cell migration assay. <i>Cell Research</i> , 2008, 18, 479-490.	12.0	71
13	Calcium signaling in chemorepellant Slit2-dependent regulation of neuronal migration. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 4296-4301.	7.1	62
14	The Transcription Factor Cux1 Regulates Dendritic Morphology of Cortical Pyramidal Neurons. <i>PLoS ONE</i> , 2010, 5, e10596.	2.5	57
15	Nestin is essential for mitogen-stimulated proliferation of neural progenitor cells. <i>Molecular and Cellular Neurosciences</i> , 2010, 45, 26-36.	2.2	55
16	Toward a Better Understanding of Neuronal Migration Deficits in Autism Spectrum Disorders. <i>Frontiers in Cell and Developmental Biology</i> , 2019, 7, 205.	3.7	43
17	Novel function of PIWIL1 in neuronal polarization and migration via regulation of microtubule-associated proteins. <i>Molecular Brain</i> , 2015, 8, 39.	2.6	42
18	Overexpression of SIRT1 in Mouse Forebrain Impairs Lipid/Glucose Metabolism and Motor Function. <i>PLoS ONE</i> , 2011, 6, e21759.	2.5	38

#	ARTICLE	IF	CITATIONS
19	Slit-2 repels the migration of olfactory ensheathing cells by triggering Ca ²⁺ -dependent cofilin activation and RhoA inhibition. <i>Journal of Cell Science</i> , 2011, 124, 186-197.	2.0	35
20	Segregated expressions of autism risk genes Cdh11 and Cdh9 in autism-relevant regions of developing cerebellum. <i>Molecular Brain</i> , 2019, 12, 40.	2.6	19
21	Semaphorin-3F attracts the growth cone of cerebellar granule cells through cGMP signaling pathway. <i>Biochemical and Biophysical Research Communications</i> , 2007, 356, 857-863.	2.1	18
22	RhoA-Rock-Myosin pathway regulates morphological plasticity of cultured olfactory ensheathing cells. <i>Experimental Cell Research</i> , 2011, 317, 2823-2834.	2.6	17
23	Guiding migration of transplanted glial progenitor cells in the injured spinal cord. <i>Scientific Reports</i> , 2016, 6, 22576.	3.3	14
24	Forward transport of proteins in the plasma membrane of migrating cerebellar granule cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, E3558-67.	7.1	13
25	Aggrin regulates growth cone turning of <i>Xenopus</i> spinal motoneurons. <i>Development (Cambridge)</i> , 2005, 132, 4309-4316.	2.5	11
26	Association of CDH11 with Autism Spectrum Disorder Revealed by Matched-gene Co-expression Analysis and Mouse Behavioral Studies. <i>Neuroscience Bulletin</i> , 2022, 38, 29-46.	2.9	6
27	Culturing of Cerebellar Granule Cells to Study Neuronal Migration: Gradient and Local Perfusion Assays. <i>Current Protocols in Neuroscience</i> , 2012, 60, Unit 3.26.	2.6	2
28	TRP Channels and Axon Pathfinding. <i>Frontiers in Neuroscience</i> , 2006, , 55-67.	0.0	0
29	Slit-2 repels the migration of olfactory ensheathing cells by triggering Ca ²⁺ -dependent cofilin activation and RhoA inhibition. <i>Development (Cambridge)</i> , 2011, 138, e0308-e0308.	2.5	0
30	Guiding the migration of grafted cells to promote axon regeneration. <i>Neural Regeneration Research</i> , 2016, 11, 1224.	3.0	0