

Jianwei Jiao

List of Publications by Year in descending order

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Version: 2024-02-01

61
papers

2,911
citations

201674

27
h-index

223800

46
g-index

63
all docs

63
docs citations

63
times ranked

5955
citing authors

#	ARTICLE	IF	CITATIONS
1	Deficiency of TRPM2 leads to embryonic neurogenesis defects in hyperthermia. <i>Science Advances</i> , 2020, 6, eaay6350.	10.3	199
2	Attenuated Glial Reactions and Photoreceptor Degeneration after Retinal Detachment in Mice Deficient in Glial Fibrillary Acidic Protein and Vimentin. , 2007, 48, 2760.		149
3	Induction of Neurogenesis in Nonconventional Neurogenic Regions of the Adult Central Nervous System by Niche Astrocyte-Produced Signals. <i>Stem Cells</i> , 2008, 26, 1221-1230.	3.2	149
4	Molecular Biomarkers for Embryonic and Adult Neural Stem Cell and Neurogenesis. <i>BioMed Research International</i> , 2015, 2015, 1-14.	1.9	141
5	Ezh2 Regulates Adult Hippocampal Neurogenesis and Memory. <i>Journal of Neuroscience</i> , 2014, 34, 5184-5199.	3.6	139
6	Autophagy regulates testosterone synthesis by facilitating cholesterol uptake in Leydig cells. <i>Journal of Cell Biology</i> , 2018, 217, 2103-2119.	5.2	136
7	Characterization of Nestin-positive stem Leydig cells as a potential source for the treatment of testicular Leydig cell dysfunction. <i>Cell Research</i> , 2014, 24, 1466-1485.	12.0	134
8	Î±-Amino adipate Induces Progenitor Cell Properties of Müller Glia in Adult Mice. , 2008, 49, 1142.		125
9	Bcl-2 enhances Ca ²⁺ signaling to support the intrinsic regenerative capacity of CNS axons. <i>EMBO Journal</i> , 2005, 24, 1068-1078.	7.8	100
10	Ephrins as negative regulators of adult neurogenesis in diverse regions of the central nervous system. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 8778-8783.	7.1	83
11	SIRT1 suppresses self-renewal of adult hippocampal neural stem cells. <i>Development (Cambridge)</i> , 2014, 141, 4697-4709.	2.5	81
12	ATG3-dependent autophagy mediates mitochondrial homeostasis in pluripotency acquirement and maintenance. <i>Autophagy</i> , 2016, 12, 2000-2008.	9.1	79
13	Sirt1 regulates acrosome biogenesis by modulating autophagic flux during spermiogenesis in mice. <i>Development (Cambridge)</i> , 2017, 144, 441-451.	2.5	73
14	MicroRNA-15b promotes neurogenesis and inhibits neural progenitor proliferation by directly repressing TET3 during early neocortical development. <i>EMBO Reports</i> , 2014, 15, 1305-1314.	4.5	69
15	The Crucial Role of Atg5 in Cortical Neurogenesis During Early Brain Development. <i>Scientific Reports</i> , 2014, 4, 6010.	3.3	65
16	CHD2 is Required for Embryonic Neurogenesis in the Developing Cerebral Cortex. <i>Stem Cells</i> , 2015, 33, 1794-1806.	3.2	60
17	Brain-specific deletion of histone variant H2A.z results in cortical neurogenesis defects and neurodevelopmental disorder. <i>Nucleic Acids Research</i> , 2018, 46, 2290-2307.	14.5	56
18	High autophagic flux guards ESC identity through coordinating autophagy machinery gene program by FOXO1. <i>Cell Death and Differentiation</i> , 2017, 24, 1672-1680.	11.2	52

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19	Histone variant H3.3 orchestrates neural stem cell differentiation in the developing brain. <i>Cell Death and Differentiation</i> , 2017, 24, 1548-1563.	11.2	51
20	The Role of MicroRNAs in Neural Stem Cells and Neurogenesis. <i>Journal of Genetics and Genomics</i> , 2013, 40, 61-66.	3.9	49
21	BMP2-SMAD Signaling Represses the Proliferation of Embryonic Neural Stem Cells through YAP. <i>Journal of Neuroscience</i> , 2014, 34, 12039-12048.	3.6	49
22	Autophagy-related gene Atg5 is essential for astrocyte differentiation in the developing mouse cortex. <i>EMBO Reports</i> , 2014, 15, 1053-1061.	4.5	48
23	Identification of HSC/MPP expansion units in fetal liver by single-cell spatiotemporal transcriptomics. <i>Cell Research</i> , 2022, 32, 38-53.	12.0	48
24	Cold-induced protein RBM3 orchestrates neurogenesis via modulating Yap mRNA stability in cold stress. <i>Journal of Cell Biology</i> , 2018, 217, 3464-3479.	5.2	47
25	GRM7 Regulates Embryonic Neurogenesis via CREB and YAP. <i>Stem Cell Reports</i> , 2015, 4, 795-810.	4.8	41
26	Induction of fibroblasts to neurons through adenoviral gene delivery. <i>Cell Research</i> , 2012, 22, 436-440.	12.0	40
27	Treatment of multiple sclerosis by transplantation of neural stem cells derived from induced pluripotent stem cells. <i>Science China Life Sciences</i> , 2016, 59, 950-957.	4.9	40
28	Histone chaperone HIRA regulates neural progenitor cell proliferation and neurogenesis via β -catenin. <i>Journal of Cell Biology</i> , 2017, 216, 1975-1992.	5.2	38
29	UTX Affects Neural Stem Cell Proliferation and Differentiation through PTEN Signaling. <i>Stem Cell Reports</i> , 2018, 10, 1193-1207.	4.8	38
30	Neuronal Transcription Factors Induce Conversion of Human Glioma Cells to Neurons and Inhibit Tumorigenesis. <i>PLoS ONE</i> , 2012, 7, e41506.	2.5	37
31	Nap111 Controls Embryonic Neural Progenitor Cell Proliferation and Differentiation in the Developing Brain. <i>Cell Reports</i> , 2018, 22, 2279-2293.	6.4	36
32	Effect of VIP on Intracellular $[Ca^{2+}]_i$, Extracellular Regulated Kinase 1/2, and Secretion in Cultured Rat Conjunctival Goblet Cells. , 2013, 54, 2872.		35
33	Decoding the temporal and regional specification of microglia in the developing human brain. <i>Cell Stem Cell</i> , 2022, 29, 620-634.e6.	11.1	27
34	UCP2 Regulates Embryonic Neurogenesis via ROS-Mediated Yap Alternation in the Developing Neocortex. <i>Stem Cells</i> , 2017, 35, 1479-1492.	3.2	26
35	Conversion of Fibroblasts to Parvalbumin Neurons by One Transcription Factor, Ascl1, and the Chemical Compound Forskolin. <i>Journal of Biological Chemistry</i> , 2016, 291, 13560-13570.	3.4	25
36	DISC1 regulates astrogenesis in the embryonic brain via modulation of RAS/MEK/ERK signaling through RASSF7. <i>Development (Cambridge)</i> , 2016, 143, 2732-40.	2.5	24

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37	Tet3-Mediated DNA Demethylation Contributes to the Direct Conversion of Fibroblast to Functional Neuron. <i>Cell Reports</i> , 2016, 17, 2326-2339.	6.4	23
38	Histone Variants and Histone Modifications in Neurogenesis. <i>Trends in Cell Biology</i> , 2020, 30, 869-880.	7.9	23
39	PRDM16 orchestrates angiogenesis via neural differentiation in the developing brain. <i>Cell Death and Differentiation</i> , 2020, 27, 2313-2329.	11.2	18
40	Retinoic Acid Receptor $\hat{1}^3$ (Rarg) and Nuclear Receptor Subfamily 5, Group A, Member 2 (Nr5a2) Promote Conversion of Fibroblasts to Functional Neurons. <i>Journal of Biological Chemistry</i> , 2014, 289, 6415-6428.	3.4	17
41	Deficiency of STING Signaling in Embryonic Cerebral Cortex Leads to Neurogenic Abnormalities and Autistic-Like Behaviors. <i>Advanced Science</i> , 2020, 7, 2002117.	11.2	17
42	CD93 negatively regulates astrogenesis in response to MMRN2 through the transcriptional repressor ZFP503 in the developing brain. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 9413-9422.	7.1	17
43	<scp>TCF</scp> 20 dysfunction leads to cortical neurogenesis defects and autistic-like behaviors in mice. <i>EMBO Reports</i> , 2020, 21, e49239.	4.5	16
44	Loss of Rsp9 causes neonatal hydrocephalus with abnormal development of motile cilia in mice. <i>Scientific Reports</i> , 2020, 10, 12435.	3.3	16
45	Characterization of a recombinant chimeric plasminogen activator with enhanced fibrin binding. <i>BBA - Proteins and Proteomics</i> , 2001, 1546, 399-405.	2.1	15
46	RNF20 controls astrocytic differentiation through epigenetic regulation of STAT3 in the developing brain. <i>Cell Death and Differentiation</i> , 2018, 25, 294-306.	11.2	15
47	ERK inhibition promotes neuroectodermal precursor commitment by blocking self-renewal and primitive streak formation of the epiblast. <i>Stem Cell Research and Therapy</i> , 2018, 9, 2.	5.5	15
48	Neural progenitor cells mediated by H2A.Z.2 regulate microglial development via Cxcl14 in the embryonic brain. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 24122-24132.	7.1	15
49	Brain-specific Wt1 deletion leads to depressive-like behaviors in mice via the recruitment of Tet2 to modulate Epo expression. <i>Molecular Psychiatry</i> , 2021, 26, 4221-4233.	7.9	15
50	The zinc finger E-box-binding homeobox 1 (Zeb1) promotes the conversion of mouse fibroblasts into functional neurons. <i>Journal of Biological Chemistry</i> , 2017, 292, 12959-12970.	3.4	14
51	H2A.Z.1 crosstalk with H3K56-acetylation controls gliogenesis through the transcription of folate receptor. <i>Nucleic Acids Research</i> , 2018, 46, 8817-8831.	14.5	12
52	Immune Regulator MCP1 Modulates TET Expression during Early Neocortical Development. <i>Stem Cell Reports</i> , 2016, 7, 439-453.	4.8	10
53	Embryonic and adult neural stem cell research in China. <i>Science China Life Sciences</i> , 2010, 53, 338-341.	4.9	9
54	Direct lineage conversion: induced neuronal cells and induced neural stem cells. <i>Protein and Cell</i> , 2012, 3, 826-833.	11.0	8

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55	MacroH2A1.2 deficiency leads to neural stem cell differentiation defects and autism-like behaviors. EMBO Reports, 2021, 22, e52150.	4.5	8
56	Endothelial Cells Mediated by UCP2 Control the Neurogenic to Astrogenic Neural Stem Cells Fate Switch During Brain Development. Advanced Science, 2022, 9, e2105208.	11.2	7
57	Acquisition of functional neurons by direct conversion: Switching the developmental clock directly. Journal of Genetics and Genomics, 2019, 46, 459-465.	3.9	6
58	The human <i>FOXM1</i> homolog promotes basal progenitor cell proliferation and cortical folding in mouse. EMBO Reports, 2022, 23, e53602.	4.5	6
59	Epigenetics: major regulators of embryonic neurogenesis. Science Bulletin, 2015, 60, 1734-1743.	9.0	4
60	Construction and characterization of a recombinant chimeric plasminogen activator consisting of a fibrin peptide and a low molecular mass single-chain urokinase. Biochimie, 2001, 83, 1049-1055.	2.6	3
61	Sirt1 regulates acrosome biogenesis by modulating autophagic flux during spermiogenesis in mice. Journal of Cell Science, 2017, 130, e1.2-e1.2.	2.0	1