Jianwei Jiao

List of Publications by Year
in descending order

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	Identification of HSC/MPP expansion units in fetal liver by single-cell spatiotemporal transcriptomics. Cell Research, 2022, 32, 38-53.	12.0	48
2	Decoding the temporal and regional specification of microglia in the developing human brain. Cell Stem Cell, 2022, 29, 620-634.e6.	11.1	27
3	The human <i>FOXM1</i> homolog promotes basal progenitor cell proliferation and cortical folding in mouse. EMBO Reports, 2022, 23, e53602.	4.5	6
4	Endothelial Cells Mediated by UCP2 Control the Neurogenicâ€toâ€Astrogenic Neural Stem Cells Fate Switch During Brain Development. Advanced Science, 2022, 9, e2105208.	11.2	7
5	Brain-specific Wt1 deletion leads to depressive-like behaviors in mice via the recruitment of Tet2 to modulate Epo expression. Molecular Psychiatry, 2021, 26, 4221-4233.	7.9	15
6	MacroH2A1.2 deficiency leads to neural stem cell differentiation defects and autismâ€like behaviors. EMBO Reports, 2021, 22, e52150.	4.5	8
7	Deficiency of TRPM2 leads to embryonic neurogenesis defects in hyperthermia. Science Advances, 2020, 6, eaay6350.	10.3	199
8	Histone Variants and Histone Modifications in Neurogenesis. Trends in Cell Biology, 2020, 30, 869-880.	7.9	23
9	<scp>TCF</scp> 20 dysfunction leads to cortical neurogenesis defects and autisticâ€like behaviors in mice. EMBO Reports, 2020, 21, e49239.	4.5	16
10	Loss of Rsph9 causes neonatal hydrocephalus with abnormal development of motile cilia in mice. Scientific Reports, 2020, 10, 12435.	3.3	16
11	Deficiency of STING Signaling in Embryonic Cerebral Cortex Leads to Neurogenic Abnormalities and Autisticâ€Like Behaviors. Advanced Science, 2020, 7, 2002117.	11.2	17
12	PRDM16 orchestrates angiogenesis via neural differentiation in the developing brain. Cell Death and Differentiation, 2020, 27, 2313-2329.	11.2	18
13	CD93 negatively regulates astrogenesis in response to MMRN2 through the transcriptional repressor ZFP503 in the developing brain. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 9413-9422.	7.1	17
14	Neural progenitor cells mediated by H2A.Z.2 regulate microglial development via Cxcl14 in the embryonic brain. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 24122-24132.	7.1	15
15	Acquisition of functional neurons by direct conversion: Switching the developmental clock directly. Journal of Genetics and Genomics, 2019, 46, 459-465.	3.9	6
16	Nap1l1 Controls Embryonic Neural Progenitor Cell Proliferation and Differentiation in the Developing Brain. Cell Reports, 2018, 22, 2279-2293.	6.4	36
17	Autophagy regulates testosterone synthesis by facilitating cholesterol uptake in Leydig cells. Journal of Cell Biology, 2018, 217, 2103-2119.	5.2	136
18	Brain-specific deletion of histone variant H2A.z results in cortical neurogenesis defects and neurodevelopmental disorder. Nucleic Acids Research, 2018, 46, 2290-2307.	14.5	56

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19	UTX Affects Neural Stem Cell Proliferation and Differentiation through PTEN Signaling. Stem Cell Reports, 2018, 10, 1193-1207.	4.8	38
20	RNF20 controls astrocytic differentiation through epigenetic regulation of STAT3 in the developing brain. Cell Death and Differentiation, 2018, 25, 294-306.	11.2	15
21	Cold-induced protein RBM3 orchestrates neurogenesis via modulating Yap mRNA stability in cold stress. Journal of Cell Biology, 2018, 217, 3464-3479.	5.2	47
22	H2A.Z.1 crosstalk with H3K56-acetylation controls gliogenesis through the transcription of folate receptor. Nucleic Acids Research, 2018, 46, 8817-8831.	14.5	12
23	ERK inhibition promotes neuroectodermal precursor commitment by blocking self-renewal and primitive streak formation of the epiblast. Stem Cell Research and Therapy, 2018, 9, 2.	5.5	15
24	Sirt1 regulates acrosome biogenesis by modulating autophagic flux during spermiogenesis in mice. Development (Cambridge), 2017, 144, 441-451.	2.5	73
25	UCP2 Regulates Embryonic Neurogenesis via ROS-Mediated Yap Alternation in the Developing Neocortex. Stem Cells, 2017, 35, 1479-1492.	3.2	26
26	The zinc finger E-box-binding homeobox 1 (Zeb1) promotes the conversion of mouse fibroblasts into functional neurons. Journal of Biological Chemistry, 2017, 292, 12959-12970.	3.4	14
27	High autophagic flux guards ESC identity through coordinating autophagy machinery gene program by FOXO1. Cell Death and Differentiation, 2017, 24, 1672-1680.	11.2	52
28	Histone chaperone HIRA regulates neural progenitor cell proliferation and neurogenesis via Î²-catenin. Journal of Cell Biology, 2017, 216, 1975-1992.	5.2	38
29	Histone variant H3.3 orchestrates neural stem cell differentiation in the developing brain. Cell Death and Differentiation, 2017, 24, 1548-1563.	11.2	51
30	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
31	Treatment of multiple sclerosis by transplantation of neural stem cells derived from induced pluripotent stem cells. Science China Life Sciences, 2016, 59, 950-957.	4.9	40
32	Conversion of Fibroblasts to Parvalbumin Neurons by One Transcription Factor, Ascl1, and the Chemical Compound Forskolin. Journal of Biological Chemistry, 2016, 291, 13560-13570.	3.4	25
33	ATG3-dependent autophagy mediates mitochondrial homeostasis in pluripotency acquirement and maintenance. Autophagy, 2016, 12, 2000-2008.	9.1	79
34	Immune Regulator MCPIP1 Modulates TET Expression during Early Neocortical Development. Stem Cell Reports, 2016, 7, 439-453.	4.8	10
35	Tet3-Mediated DNA Demethylation Contributes to the Direct Conversion of Fibroblast to Functional Neuron. Cell Reports, 2016, 17, 2326-2339.	6.4	23
36	DISC1 regulates astrogenesis in the embryonic brain via modulation of RAS/MEK/ERK signaling through RASSF7. Development (Cambridge), 2016, 143, 2732-40.	2.5	24

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37	Molecular Biomarkers for Embryonic and Adult Neural Stem Cell and Neurogenesis. BioMed Research International, 2015, 2015, 1-14.	1.9	141
38	GRM7 Regulates Embryonic Neurogenesis via CREB and YAP. Stem Cell Reports, 2015, 4, 795-810.	4.8	41
39	CHD2 is Required for Embryonic Neurogenesis in the Developing Cerebral Cortex. Stem Cells, 2015, 33, 1794-1806.	3.2	60
40	Epigenetics: major regulators of embryonic neurogenesis. Science Bulletin, 2015, 60, 1734-1743.	9.0	4
41	Characterization of Nestin-positive stem Leydig cells as a potential source for the treatment of testicular Leydig cell dysfunction. Cell Research, 2014, 24, 1466-1485.	12.0	134
42	SIRT1 suppresses self-renewal of adult hippocampal neural stem cells. Development (Cambridge), 2014, 141, 4697-4709.	2.5	81
43	Retinoic Acid Receptor Î³ (Rarg) and Nuclear Receptor Subfamily 5, Group A, Member 2 (Nr5a2) Promote Conversion of Fibroblasts to Functional Neurons. Journal of Biological Chemistry, 2014, 289, 6415-6428.	3.4	17
44	Ezh2 Regulates Adult Hippocampal Neurogenesis and Memory. Journal of Neuroscience, 2014, 34, 5184-5199.	3.6	139
45	BMP2-SMAD Signaling Represses the Proliferation of Embryonic Neural Stem Cells through YAP. Journal of Neuroscience, 2014, 34, 12039-12048.	3.6	49
46	Autophagyâ€related gene Atg5 is essential for astrocyte differentiation in the developing mouse cortex. EMBO Reports, 2014, 15, 1053-1061.	4.5	48
47	Micro<scp>RNA</scp>â€15b promotes neurogenesis and inhibits neural progenitor proliferation by directly repressing <scp>TET</scp>3 during early neocortical development. EMBO Reports, 2014, 15, 1305-1314.	4.5	69
48	The Crucial Role of Atg5 in Cortical Neurogenesis During Early Brain Development. Scientific Reports, 2014, 4, 6010.	3.3	65
49	The Role of MicroRNAs in Neural Stem Cells and Neurogenesis. Journal of Genetics and Genomics, 2013, 40, 61-66.	3.9	49
50	Effect of VIP on Intracellular [Ca²⁺], Extracellular Regulated Kinase 1/2, and Secretion in Cultured Rat Conjunctival Goblet Cells. , 2013, 54, 2872.		35
51	Induction of fibroblasts to neurons through adenoviral gene delivery. Cell Research, 2012, 22, 436-440.	12.0	40
52	Direct lineage conversion: induced neuronal cells and induced neural stem cells. Protein and Cell, 2012, 3, 826-833.	11.0	8
53	Neuronal Transcription Factors Induce Conversion of Human Glioma Cells to Neurons and Inhibit Tumorigenesis. PLoS ONE, 2012, 7, e41506.	2.5	37
54	Embryonic and adult neural stem cell research in China. Science China Life Sciences, 2010, 53, 338-341.	4.9	9

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55	Induction of Neurogenesis in Nonconventional Neurogenic Regions of the Adult Central Nervous System by Niche Astrocyte-Produced Signals. Stem Cells, 2008, 26, 1221-1230.	3.2	149
56	Î±-Aminoadipate Induces Progenitor Cell Properties of MuÌˆller Glia in Adult Mice. , 2008, 49, 1142.		125
57	Ephrins as negative regulators of adult neurogenesis in diverse regions of the central nervous system. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 8778-8783.	7.1	83
58	Attenuated Glial Reactions and Photoreceptor Degeneration after Retinal Detachment in Mice Deficient in Glial Fibrillary Acidic Protein and Vimentin. , 2007, 48, 2760.		149
59	Bcl-2 enhances Ca2+ signaling to support the intrinsic regenerative capacity of CNS axons. EMBO Journal, 2005, 24, 1068-1078.	7.8	100
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	Characterization of a recombinant chimeric plasminogen activator with enhanced fibrin binding. BBA - Proteins and Proteomics, 2001, 1546, 399-405.	2.1	15