

Xiaoqun Wang

List of Publications by Year in descending order

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51
papers

4,553
citations

172457

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71
all docs

71
docs citations

71
times ranked

7233
citing authors

#	ARTICLE	IF	CITATIONS
1	Deciphering the spatial-temporal transcriptional landscape of human hypothalamus development. <i>Cell Stem Cell</i> , 2022, 29, 328-343.e5.	11.1	15
2	FTO stabilizes MIS12 and counteracts senescence. <i>Protein and Cell</i> , 2022, 13, 954-960.	11.0	13
3	Structure, gating, and pharmacology of human CaV3.3 channel. <i>Nature Communications</i> , 2022, 13, 2084.	12.8	22
4	Transcriptome dynamics of hippocampal neurogenesis in macaques across the lifespan and aged humans. <i>Cell Research</i> , 2022, 32, 729-743.	12.0	48
5	Comparison of chromatin accessibility landscapes during early development of prefrontal cortex between rhesus macaque and human. <i>Nature Communications</i> , 2022, 13, .	12.8	7
6	A single-cell transcriptome atlas of the aging human and macaque retina. <i>National Science Review</i> , 2021, 8, nwaal179.	9.5	26
7	Modeling brain development and diseases with human cerebral organoids. <i>Current Opinion in Neurobiology</i> , 2021, 66, 103-115.	4.2	15
8	Loss of the centrosomal protein Cenpj leads to dysfunction of the hypothalamus and obesity in mice. <i>Science China Life Sciences</i> , 2021, 64, 419-433.	4.9	5
9	In vivo chemical reprogramming of astrocytes into neurons. <i>Cell Discovery</i> , 2021, 7, 12.	6.7	46
10	COVID-19 immune features revealed by a large-scale single-cell transcriptome atlas. <i>Cell</i> , 2021, 184, 1895-1913.e19.	28.9	512
11	Thymic Egress Is Regulated by T Cell-Derived LT β R Signal and via Distinct Thymic Portal Endothelial Cells. <i>Frontiers in Immunology</i> , 2021, 12, 707404.	4.8	2
12	Transcriptomic encoding of sensorimotor transformation in the midbrain. <i>ELife</i> , 2021, 10, .	6.0	27
13	Interrogation of the microenvironmental landscape in spinal ependymomas reveals dual functions of tumor-associated macrophages. <i>Nature Communications</i> , 2021, 12, 6867.	12.8	19
14	Mouse and human share conserved transcriptional programs for interneuron development. <i>Science</i> , 2021, 374, eabj6641.	12.6	75
15	Recent advances in tissue stem cells. <i>Science China Life Sciences</i> , 2021, 64, 1998-2029.	4.9	12
16	Role of <i>Wdr45b</i> in maintaining neural autophagy and cognitive function. <i>Autophagy</i> , 2020, 16, 615-625.	9.1	41
17	Cellular and molecular properties of neural progenitors in the developing mammalian hypothalamus. <i>Nature Communications</i> , 2020, 11, 4063.	12.8	50
18	Single-cell transcriptome analysis reveals cell lineage specification in temporal-spatial patterns in human cortical development. <i>Science Advances</i> , 2020, 6, eaaz2978.	10.3	88

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19	Vascularized human cortical organoids (vOrganoids) model cortical development in vivo. <i>PLoS Biology</i> , 2020, 18, e3000705.	5.6	202
20	Single-Cell Analysis of Human Retina Identifies Evolutionarily Conserved and Species-Specific Mechanisms Controlling Development. <i>Developmental Cell</i> , 2020, 53, 473-491.e9.	7.0	170
21	Chromatin accessibility analysis reveals regulatory dynamics of developing human retina and hiPSC-derived retinal organoids. <i>Science Advances</i> , 2020, 6, eaay5247.	10.3	47
22	Abundant Self-Amplifying Intermediate Progenitors in the Subventricular Zone of the Chinese Tree Shrew Neocortex. <i>Cerebral Cortex</i> , 2020, 30, 3370-3380.	2.9	5
23	Decoding the development of the human hippocampus. <i>Nature</i> , 2020, 577, 531-536.	27.8	141
24	Integrative analysis of in vivo recording with single-cell RNA-seq data reveals molecular properties of light-sensitive neurons in mouse V1. <i>Protein and Cell</i> , 2020, 11, 417-432.	11.0	13
25	Visualization and correction of social abnormalities-associated neural ensembles in adult MECP2 duplication mice. <i>Science Bulletin</i> , 2020, 65, 1192-1202.	9.0	17
26	Early Excitatory Activity-Dependent Maturation of Somatostatin Interneurons in Cortical Layer 2/3 of Mice. <i>Cerebral Cortex</i> , 2019, 29, 4107-4118.	2.9	9
27	PET imaging of metabolic changes after neural stem cells and GABA progenitor cells transplantation in a rat model of temporal lobe epilepsy. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2019, 46, 2392-2397.	6.4	10
28	Rapid and Efficient Conversion of Human Fibroblasts into Functional Neurons by Small Molecules. <i>Stem Cell Reports</i> , 2019, 13, 862-876.	4.8	51
29	The critical role of ASD-related gene CNTNAP3 in regulating synaptic development and social behavior in mice. <i>Neurobiology of Disease</i> , 2019, 130, 104486.	4.4	22
30	Telomere-dependent and telomere-independent roles of RAP1 in regulating human stem cell homeostasis. <i>Protein and Cell</i> , 2019, 10, 649-667.	11.0	35
31	Cenpj Regulates Cilia Disassembly and Neurogenesis in the Developing Mouse Cortex. <i>Journal of Neuroscience</i> , 2019, 39, 1994-2010.	3.6	36
32	Morphological and Physiological Characteristics of Ebf2-EGFP-Expressing Cajal-Retzius Cells in Developing Mouse Neocortex. <i>Cerebral Cortex</i> , 2019, 29, 3864-3878.	2.9	6
33	MRGPRX4 is a bile acid receptor for human cholestatic itch. <i>ELife</i> , 2019, 8, .	6.0	86
34	Vertical Transmission of the Zika Virus Causes Neurological Disorders in Mouse Offspring. <i>Scientific Reports</i> , 2018, 8, 3541.	3.3	36
35	A single-cell RNA-seq survey of the developmental landscape of the human prefrontal cortex. <i>Nature</i> , 2018, 555, 524-528.	27.8	551
36	Spatial transcriptomic survey of human embryonic cerebral cortex by single-cell RNA-seq analysis. <i>Cell Research</i> , 2018, 28, 730-745.	12.0	179

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37	The Primate-Specific Gene TMEM14B Marks Outer Radial Glia Cells and Promotes Cortical Expansion and Folding. <i>Cell Stem Cell</i> , 2017, 21, 635-649.e8.	11.1	102
38	Recapitulating cortical development with organoid culture in vitro and modeling abnormal spindle-like (ASPM related primary) microcephaly disease. <i>Protein and Cell</i> , 2017, 8, 823-833.	11.0	124
39	The hominoid-specific gene TBC1D3 promotes generation of basal neural progenitors and induces cortical folding in mice. <i>ELife</i> , 2016, 5, .	6.0	126
40	Calstabin 2: An important regulator for learning and memory in mice. <i>Scientific Reports</i> , 2016, 6, 21087.	3.3	14
41	Questions about NgAgo. <i>Protein and Cell</i> , 2016, 7, 913-915.	11.0	24
42	LSD1 co-repressor Rcor2 orchestrates neurogenesis in the developing mouse brain. <i>Nature Communications</i> , 2016, 7, 10481.	12.8	51
43	CRISPR/Cas9-mediated genome engineering of the ferret. <i>Cell Research</i> , 2015, 25, 1372-1375.	12.0	40
44	Diverse Behaviors of Outer Radial Glia in Developing Ferret and Human Cortex. <i>Journal of Neuroscience</i> , 2014, 34, 2559-2570.	3.6	104
45	The Dynamics of Neuronal Migration. <i>Advances in Experimental Medicine and Biology</i> , 2014, 800, 25-36.	1.6	37
46	Induced pluripotency and direct reprogramming: a new window for treatment of neurodegenerative diseases. <i>Protein and Cell</i> , 2013, 4, 415-424.	11.0	5
47	OSVZ progenitors in the human cortex: an updated perspective on neurodevelopmental disease. <i>Current Opinion in Neurobiology</i> , 2012, 22, 747-753.	4.2	120
48	Neuronal stem cells in the central nervous system and in human diseases. <i>Protein and Cell</i> , 2012, 3, 262-270.	11.0	11
49	A new subtype of progenitor cell in the mouse embryonic neocortex. <i>Nature Neuroscience</i> , 2011, 14, 555-561.	14.8	432
50	Specific synapses develop preferentially among sister excitatory neurons in the neocortex. <i>Nature</i> , 2009, 458, 501-504.	27.8	298
51	Asymmetric centrosome inheritance maintains neural progenitors in the neocortex. <i>Nature</i> , 2009, 461, 947-955.	27.8	409