

Guo-Li Ming

List of Publications by Year in descending order

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183
papers

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citations

7096

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all docs

197
docs citations

197
times ranked

33297
citing authors

#	ARTICLE	IF	CITATIONS
1	Adult Neurogenesis in the Mammalian Brain: Significant Answers and Significant Questions. <i>Neuron</i> , 2011, 70, 687-702.	8.1	2,193
2	Brain-Region-Specific Organoids Using Mini-bioreactors for Modeling ZIKV Exposure. <i>Cell</i> , 2016, 165, 1238-1254.	28.9	1,680
3	ADULT NEUROGENESIS IN THE MAMMALIAN CENTRAL NERVOUS SYSTEM. <i>Annual Review of Neuroscience</i> , 2005, 28, 223-250.	10.7	1,642
4	Hydroxylation of 5-Methylcytosine by TET1 Promotes Active DNA Demethylation in the Adult Brain. <i>Cell</i> , 2011, 145, 423-434.	28.9	1,196
5	GABA regulates synaptic integration of newly generated neurons in the adult brain. <i>Nature</i> , 2006, 439, 589-593.	27.8	1,139
6	Zika Virus Infects Human Cortical Neural Progenitors and Attenuates Their Growth. <i>Cell Stem Cell</i> , 2016, 18, 587-590.	11.1	1,125
7	Distinct Morphological Stages of Dentate Granule Neuron Maturation in the Adult Mouse Hippocampus. <i>Journal of Neuroscience</i> , 2006, 26, 3-11.	3.6	1,073
8	Neuronal Activity-Induced Gadd45b Promotes Epigenetic DNA Demethylation and Adult Neurogenesis. <i>Science</i> , 2009, 323, 1074-1077.	12.6	846
9	A Critical Period for Enhanced Synaptic Plasticity in Newly Generated Neurons of the Adult Brain. <i>Neuron</i> , 2007, 54, 559-566.	8.1	813
10	In Vivo Clonal Analysis Reveals Self-Renewing and Multipotent Adult Neural Stem Cell Characteristics. <i>Cell</i> , 2011, 145, 1142-1155.	28.9	749
11	Single-Cell RNA-Seq with Waterfall Reveals Molecular Cascades underlying Adult Neurogenesis. <i>Cell Stem Cell</i> , 2015, 17, 360-372.	11.1	680
12	Distribution, recognition and regulation of non-CpG methylation in the adult mammalian brain. <i>Nature Neuroscience</i> , 2014, 17, 215-222.	14.8	663
13	Adult Mammalian Neural Stem Cells and Neurogenesis: Five Decades Later. <i>Cell Stem Cell</i> , 2015, 17, 385-395.	11.1	650
14	Neuronal activity modifies the DNA methylation landscape in the adult brain. <i>Nature Neuroscience</i> , 2011, 14, 1345-1351.	14.8	601
15	Identification of small-molecule inhibitors of Zika virus infection and induced neural cell death via a drug repurposing screen. <i>Nature Medicine</i> , 2016, 22, 1101-1107.	30.7	581
16	Disrupted-In-Schizophrenia 1 Regulates Integration of Newly Generated Neurons in the Adult Brain. <i>Cell</i> , 2007, 130, 1146-1158.	28.9	576
17	Temporal Control of Mammalian Cortical Neurogenesis by m6A Methylation. <i>Cell</i> , 2017, 171, 877-889.e17.	28.9	567
18	A Patient-Derived Glioblastoma Organoid Model and Biobank Recapitulates Inter- and Intra-tumoral Heterogeneity. <i>Cell</i> , 2020, 180, 188-204.e22.	28.9	529

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19	Synaptic dysregulation in a human iPSC cell model of mental disorders. <i>Nature</i> , 2014, 515, 414-418.	27.8	471
20	Neuronal circuitry mechanism regulating adult quiescent neural stem-cell fate decision. <i>Nature</i> , 2012, 489, 150-154.	27.8	463
21	Brain organoids: advances, applications and challenges. <i>Development (Cambridge)</i> , 2019, 146, .	2.5	385
22	m6A facilitates hippocampus-dependent learning and memory through YTHDF1. <i>Nature</i> , 2018, 563, 249-253.	27.8	354
23	Functions and Dysfunctions of Adult Hippocampal Neurogenesis. <i>Annual Review of Neuroscience</i> , 2014, 37, 243-262.	10.7	344
24	Generation of human brain region-specific organoids using a miniaturized spinning bioreactor. <i>Nature Protocols</i> , 2018, 13, 565-580.	12.0	335
25	GABA sets the tempo for activity-dependent adult neurogenesis. <i>Trends in Neurosciences</i> , 2007, 30, 1-8.	8.6	330
26	Human Pluripotent Stem Cell-Derived Neural Cells and Brain Organoids Reveal SARS-CoV-2 Neurotropism Predominates in Choroid Plexus Epithelium. <i>Cell Stem Cell</i> , 2020, 27, 937-950.e9.	11.1	314
27	Epigenetic choreographers of neurogenesis in the adult mammalian brain. <i>Nature Neuroscience</i> , 2010, 13, 1338-1344.	14.8	302
28	DISC1 Regulates New Neuron Development in the Adult Brain via Modulation of AKT-mTOR Signaling through KIAA1212. <i>Neuron</i> , 2009, 63, 761-773.	8.1	301
29	Epigenetic mechanisms in neurogenesis. <i>Nature Reviews Neuroscience</i> , 2016, 17, 537-549.	10.2	299
30	Epitranscriptomic m6A Regulation of Axon Regeneration in the Adult Mammalian Nervous System. <i>Neuron</i> , 2018, 97, 313-325.e6.	8.1	292
31	DNA methylation presents distinct binding sites for human transcription factors. <i>ELife</i> , 2013, 2, e00726.	6.0	292
32	Development of neural stem cell in the adult brain. <i>Current Opinion in Neurobiology</i> , 2008, 18, 108-115.	4.2	278
33	Sliced Human Cortical Organoids for Modeling Distinct Cortical Layer Formation. <i>Cell Stem Cell</i> , 2020, 26, 766-781.e9.	11.1	268
34	A nuclease that mediates cell death induced by DNA damage and poly(ADP-ribose) polymerase-1. <i>Science</i> , 2016, 354, .	12.6	266
35	Modeling a Genetic Risk for Schizophrenia in iPSCs and Mice Reveals Neural Stem Cell Deficits Associated with Adherens Junctions and Polarity. <i>Cell Stem Cell</i> , 2014, 15, 79-91.	11.1	238
36	Adult Neurogenesis, Mental Health, and Mental Illness: Hope or Hype?: Figure 1.. <i>Journal of Neuroscience</i> , 2008, 28, 11785-11791.	3.6	225

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37	Role of Mitochondrial Metabolism in the Control of Early Lineage Progression and Aging Phenotypes in Adult Hippocampal Neurogenesis. <i>Neuron</i> , 2017, 93, 560-573.e6.	8.1	221
38	Neuronal activity modifies the chromatin accessibility landscape in the adult brain. <i>Nature Neuroscience</i> , 2017, 20, 476-483.	14.8	218
39	Synaptic integration and plasticity of new neurons in the adult hippocampus. <i>Journal of Physiology</i> , 2008, 586, 3759-3765.	2.9	204
40	Astrocytes generated from patient induced pluripotent stem cells recapitulate features of Huntington's disease patient cells. <i>Molecular Brain</i> , 2012, 5, 17.	2.6	204
41	Using brain organoids to understand Zika virus-induced microcephaly. <i>Development (Cambridge)</i> , 2017, 144, 952-957.	2.5	201
42	Chordin-induced lineage plasticity of adult SVZ neuroblasts after demyelination. <i>Nature Neuroscience</i> , 2010, 13, 541-550.	14.8	200
43	Focal adhesion kinase in netrin-1 signaling. <i>Nature Neuroscience</i> , 2004, 7, 1204-1212.	14.8	196
44	Interplay between DISC1 and GABA Signaling Regulates Neurogenesis in Mice and Risk for Schizophrenia. <i>Cell</i> , 2012, 148, 1051-1064.	28.9	196
45	A human brain microphysiological system derived from induced pluripotent stem cells to study neurological diseases and toxicity. <i>ALTEX: Alternatives To Animal Experimentation</i> , 2017, 34, 362-376.	1.5	195
46	Parvalbumin interneurons mediate neuronal circuitry's neurogenesis coupling in the adult hippocampus. <i>Nature Neuroscience</i> , 2013, 16, 1728-1730.	14.8	191
47	FMRP Modulates Neural Differentiation through m6A-Dependent mRNA Nuclear Export. <i>Cell Reports</i> , 2019, 28, 845-854.e5.	6.4	188
48	Development of hippocampal mossy fiber synaptic outputs by new neurons in the adult brain. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 14157-14162.	7.1	186
49	A Common Embryonic Origin of Stem Cells Drives Developmental and Adult Neurogenesis. <i>Cell</i> , 2019, 177, 654-668.e15.	28.9	186
50	Secreted Frizzled-Related Protein 3 Regulates Activity-Dependent Adult Hippocampal Neurogenesis. <i>Cell Stem Cell</i> , 2013, 12, 215-223.	11.1	173
51	Tet3 regulates synaptic transmission and homeostatic plasticity via DNA oxidation and repair. <i>Nature Neuroscience</i> , 2015, 18, 836-843.	14.8	164
52	Zika-Virus-Encoded NS2A Disrupts Mammalian Cortical Neurogenesis by Degrading Adherens Junction Proteins. <i>Cell Stem Cell</i> , 2017, 21, 349-358.e6.	11.1	163
53	Role of Tet1 and 5-hydroxymethylcytosine in cocaine action. <i>Nature Neuroscience</i> , 2015, 18, 536-544.	14.8	160
54	A unifying hypothesis on mammalian neural stem cell properties in the adult hippocampus. <i>Current Opinion in Neurobiology</i> , 2012, 22, 754-761.	4.2	157

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55	Molecular signatures associated with ZIKV exposure in human cortical neural progenitors. <i>Nucleic Acids Research</i> , 2016, 44, 8610-8620.	14.5	155
56	XTRPC1-dependent chemotropic guidance of neuronal growth cones. <i>Nature Neuroscience</i> , 2005, 8, 730-735.	14.8	151
57	Adult Neurogenesis and Psychiatric Disorders. <i>Cold Spring Harbor Perspectives in Biology</i> , 2016, 8, a019026.	5.5	146
58	Mapping cis-regulatory chromatin contacts in neural cells links neuropsychiatric disorder risk variants to target genes. <i>Nature Genetics</i> , 2019, 51, 1252-1262.	21.4	139
59	A microfluidics-based turning assay reveals complex growth cone responses to integrated gradients of substrate-bound ECM molecules and diffusible guidance cues. <i>Lab on A Chip</i> , 2008, 8, 227.	6.0	138
60	An Intrinsic Epigenetic Barrier for Functional Axon Regeneration. <i>Neuron</i> , 2017, 94, 337-346.e6.	8.1	130
61	Emetine inhibits Zika and Ebola virus infections through two molecular mechanisms: inhibiting viral replication and decreasing viral entry. <i>Cell Discovery</i> , 2018, 4, 31.	6.7	128
62	How does Zika virus cause microcephaly?. <i>Genes and Development</i> , 2017, 31, 849-861.	5.9	124
63	Axonal Protective Effects of the Myelin-Associated Glycoprotein. <i>Journal of Neuroscience</i> , 2009, 29, 630-637.	3.6	121
64	Molecular landscapes of human hippocampal immature neurons across lifespan. <i>Nature</i> , 2022, 607, 527-533.	27.8	116
65	Modification of hippocampal circuitry by adult neurogenesis. <i>Developmental Neurobiology</i> , 2012, 72, 1032-1043.	3.0	113
66	Robust Hi-C Maps of Enhancer-Promoter Interactions Reveal the Function of Non-coding Genome in Neural Development and Diseases. <i>Molecular Cell</i> , 2020, 79, 521-534.e15.	9.7	110
67	Tangential migration of neuronal precursors of glutamatergic neurons in the adult mammalian brain. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 9484-9489.	7.1	109
68	DISC1 Regulates Neurogenesis via Modulating Kinetochores Attachment of Ndel1/Nde1 during Mitosis. <i>Neuron</i> , 2017, 96, 1041-1054.e5.	8.1	109
69	Therapeutic targeting of oxygen-sensing prolyl hydroxylases abrogates ATF4-dependent neuronal death and improves outcomes after brain hemorrhage in several rodent models. <i>Science Translational Medicine</i> , 2016, 8, 328ra29.	12.4	106
70	Sporadic ALS Astrocytes Induce Neuronal Degeneration In Vivo. <i>Stem Cell Reports</i> , 2017, 8, 843-855.	4.8	105
71	Advances in Zika Virus Research: Stem Cell Models, Challenges, and Opportunities. <i>Cell Stem Cell</i> , 2016, 19, 690-702.	11.1	103
72	Heterogeneity of Radial Glia-Like Cells in the Adult Hippocampus. <i>Stem Cells</i> , 2016, 34, 997-1010.	3.2	103

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73	Semaphorin 5A inhibits synaptogenesis in early postnatal- and adult-born hippocampal dentate granule cells. <i>ELife</i> , 2014, 3, .	6.0	100
74	m6A mRNA Methylation Is Essential for Oligodendrocyte Maturation and CNS Myelination. <i>Neuron</i> , 2020, 105, 293-309.e5.	8.1	96
75	Neuronal Circuitry Mechanisms Regulating Adult Mammalian Neurogenesis. <i>Cold Spring Harbor Perspectives in Biology</i> , 2016, 8, a018937.	5.5	95
76	The TLX-miR-219 cascade regulates neural stem cell proliferation in neurodevelopment and schizophrenia iPSC model. <i>Nature Communications</i> , 2016, 7, 10965.	12.8	95
77	mTOR Inhibition Ameliorates Cognitive and Affective Deficits Caused by <i>Disc1</i> Knockdown in Adult-Born Dentate Granule Neurons. <i>Neuron</i> , 2013, 77, 647-654.	8.1	94
78	Interaction between FEZ1 and DISC1 in Regulation of Neuronal Development and Risk for Schizophrenia. <i>Neuron</i> , 2011, 72, 559-571.	8.1	89
79	Generation and biobanking of patient-derived glioblastoma organoids and their application in CAR T cell testing. <i>Nature Protocols</i> , 2020, 15, 4000-4033.	12.0	89
80	Adult Neurogenesis and Hippocampal Memory Function: New Cells, More Plasticity, New Memories?. <i>Neurosurgery Clinics of North America</i> , 2007, 18, 105-113.	1.7	88
81	Applications of Human Brain Organoids to Clinical Problems. <i>Developmental Dynamics</i> , 2019, 248, 53-64.	1.8	88
82	Epigenetic regulation of neurogenesis in the adult mammalian brain. <i>European Journal of Neuroscience</i> , 2011, 33, 1087-1093.	2.6	87
83	Zika virus directly infects peripheral neurons and induces cell death. <i>Nature Neuroscience</i> , 2017, 20, 1209-1212.	14.8	85
84	Brain-specific <i>Crmp2</i> deletion leads to neuronal development deficits and behavioural impairments in mice. <i>Nature Communications</i> , 2016, 7, .	12.8	84
85	Nanoparticle technology and stem cell therapy team up against neurodegenerative disorders. <i>Advanced Drug Delivery Reviews</i> , 2019, 148, 239-251.	13.7	83
86	<i>Lin28A</i> Binds Active Promoters and Recruits Tet1 to Regulate Gene Expression. <i>Molecular Cell</i> , 2016, 61, 153-160.	9.7	74
87	Modeling psychiatric disorders with patient-derived iPSCs. <i>Current Opinion in Neurobiology</i> , 2016, 36, 118-127.	4.2	72
88	Generation of hypothalamic arcuate organoids from human induced pluripotent stem cells. <i>Cell Stem Cell</i> , 2021, 28, 1657-1670.e10.	11.1	72
89	Epigenetics and epitranscriptomics in temporal patterning of cortical neural progenitor competence. <i>Journal of Cell Biology</i> , 2018, 217, 1901-1914.	5.2	69
90	Modeling Human Cytomegalovirus-Induced Microcephaly in Human iPSC-Derived Brain Organoids. <i>Cell Reports Medicine</i> , 2020, 1, 100002.	6.5	67

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91	beta1-integrin mediates myelin-associated glycoprotein signaling in neuronal growth cones. <i>Molecular Brain</i> , 2008, 1, 10.	2.6	66
92	Modeling synaptogenesis in schizophrenia and autism using human iPSC derived neurons. <i>Molecular and Cellular Neurosciences</i> , 2016, 73, 52-62.	2.2	66
93	Radial glial cells in the adult dentate gyrus: what are they and where do they come from?. <i>F1000Research</i> , 2018, 7, 277.	1.6	65
94	Autocrine Mfge8 Signaling Prevents Developmental Exhaustion of the Adult Neural Stem Cell Pool. <i>Cell Stem Cell</i> , 2018, 23, 444-452.e4.	11.1	64
95	Persistent Structural Plasticity Optimizes Sensory Information Processing in the Olfactory Bulb. <i>Neuron</i> , 2016, 91, 384-396.	8.1	63
96	Seamless Reconstruction of Intact Adult-Born Neurons by Serial End-Block Imaging Reveals Complex Axonal Guidance and Development in the Adult Hippocampus. <i>Journal of Neuroscience</i> , 2013, 33, 11400-11411.	3.6	62
97	Transplantation of Human Brain Organoids: Revisiting the Science and Ethics of Brain Chimeras. <i>Cell Stem Cell</i> , 2019, 25, 462-472.	11.1	62
98	Early postnatal exposure to isoflurane causes cognitive deficits and disrupts development of newborn hippocampal neurons via activation of the mTOR pathway. <i>PLoS Biology</i> , 2017, 15, e2001246.	5.6	61
99	DISC1 Partners with GSK3 β in Neurogenesis. <i>Cell</i> , 2009, 136, 990-992.	28.9	56
100	Time-dependent involvement of adult-born dentate granule cells in behavior. <i>Behavioural Brain Research</i> , 2012, 227, 470-479.	2.2	56
101	Decoding neural transcriptomes and epigenomes via high-throughput sequencing. <i>Nature Neuroscience</i> , 2014, 17, 1463-1475.	14.8	49
102	Class 3 Semaphorin Mediates Dendrite Growth in Adult Newborn Neurons through Cdk5/FAK Pathway. <i>PLoS ONE</i> , 2013, 8, e65572.	2.5	47
103	Zika Virus Infection Induces DNA Damage Response in Human Neural Progenitors That Enhances Viral Replication. <i>Journal of Virology</i> , 2019, 93, .	3.4	45
104	Synaptic dysfunction in complex psychiatric disorders: from genetics to mechanisms. <i>Genome Medicine</i> , 2018, 10, 9.	8.2	44
105	Diversity of Neural Precursors in the Adult Mammalian Brain. <i>Cold Spring Harbor Perspectives in Biology</i> , 2016, 8, a018838.	5.5	42
106	Pathophysiology and Mechanisms of Zika Virus Infection in the Nervous System. <i>Annual Review of Neuroscience</i> , 2019, 42, 249-269.	10.7	41
107	DNA Modifications and Neurological Disorders. <i>Neurotherapeutics</i> , 2013, 10, 556-567.	4.4	40
108	Methylated cis-regulatory elements mediate KLF4-dependent gene transactivation and cell migration. <i>ELife</i> , 2017, 6, .	6.0	39

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109	Roles of channels and receptors in the growth cone during PNS axonal regeneration. <i>Experimental Neurology</i> , 2010, 223, 38-44.	4.1	38
110	Modeling neurological diseases using patient-derived induced pluripotent stem cells. <i>Future Neurology</i> , 2011, 6, 363-373.	0.5	37
111	Latent tri-lineage potential of adult hippocampal neural stem cells revealed by Nf1 inactivation. <i>Nature Neuroscience</i> , 2015, 18, 1722-1724.	14.8	35
112	Epigenetic regulation of axonal regenerative capacity. <i>Epigenomics</i> , 2016, 8, 1429-1442.	2.1	33
113	Kinase network dysregulation in a human induced pluripotent stem cell model of DISC1 schizophrenia. <i>Molecular Omics</i> , 2019, 15, 173-188.	2.8	33
114	Knocking Out Non-muscle Myosin II in Retinal Ganglion Cells Promotes Long-Distance Optic Nerve Regeneration. <i>Cell Reports</i> , 2020, 31, 107537.	6.4	33
115	The epitranscriptome in stem cell biology and neural development. <i>Neurobiology of Disease</i> , 2020, 146, 105139.	4.4	32
116	In vivo clonal analysis reveals spatiotemporal regulation of thalamic nucleogenesis. <i>PLoS Biology</i> , 2018, 16, e2005211.	5.6	30
117	DNA modifications in the mammalian brain. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2014, 369, 20130512.	4.0	29
118	Zika Virus-Induced Neuronal Apoptosis via Increased Mitochondrial Fragmentation. <i>Frontiers in Microbiology</i> , 2020, 11, 598203.	3.5	27
119	Ontogeny of adult neural stem cells in the mammalian brain. <i>Current Topics in Developmental Biology</i> , 2021, 142, 67-98.	2.2	27
120	Genome-wide antagonism between 5-hydroxymethylcytosine and DNA methylation in the adult mouse brain. <i>Frontiers in Biology</i> , 2014, 9, 66-74.	0.7	26
121	Evaluating Neurodevelopmental Consequences of Perinatal Exposure to Antiretroviral Drugs: Current Challenges and New Approaches. <i>Journal of Neuroimmune Pharmacology</i> , 2021, 16, 113-129.	4.1	26
122	Cellular Reprogramming: Recent Advances in Modeling Neurological Diseases. <i>Journal of Neuroscience</i> , 2011, 31, 16070-16075.	3.6	25
123	Tbr2-expressing intermediate progenitor cells in the adult mouse hippocampus are unipotent neuronal precursors with limited amplification capacity under homeostasis. <i>Frontiers in Biology</i> , 2015, 10, 262-271.	0.7	25
124	A septo-temporal molecular gradient of sfrp3 in the dentate gyrus differentially regulates quiescent adult hippocampal neural stem cell activation. <i>Molecular Brain</i> , 2015, 8, 52.	2.6	25
125	Differential Timing and Coordination of Neurogenesis and Astrogenesis in Developing Mouse Hippocampal Subregions. <i>Brain Sciences</i> , 2020, 10, 909.	2.3	25
126	Epitranscriptomes in the Adult Mammalian Brain: Dynamic Changes Regulate Behavior. <i>Neuron</i> , 2018, 99, 243-245.	8.1	24

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127	Interplay between a Mental Disorder Risk Gene and Developmental Polarity Switch of GABA Action Leads to Excitation-Inhibition Imbalance. <i>Cell Reports</i> , 2019, 28, 1419-1428.e3.	6.4	23
128	Modeling neurological disorders using brain organoids. <i>Seminars in Cell and Developmental Biology</i> , 2021, 111, 4-14.	5.0	23
129	Adult neurogenesis and the dentate gyrus: Predicting function from form. <i>Behavioural Brain Research</i> , 2020, 379, 112346.	2.2	22
130	Structural interaction between DISC1 and ATF4 underlying transcriptional and synaptic dysregulation in an iPSC model of mental disorders. <i>Molecular Psychiatry</i> , 2021, 26, 1346-1360.	7.9	22
131	Neural stem cells attacked by Zika virus. <i>Cell Research</i> , 2016, 26, 753-754.	12.0	20
132	Disrupted-in-Schizophrenia-1 (DISC1) protein disturbs neural function in multiple disease-risk pathways. <i>Human Molecular Genetics</i> , 2017, 26, 2634-2648.	2.9	19
133	Multiplexed Biomarker Panels Discriminate Zika and Dengue Virus Infection in Humans. <i>Molecular and Cellular Proteomics</i> , 2018, 17, 349-356.	3.8	19
134	Adult neurogenesis as a cellular model to study schizophrenia. <i>Cell Cycle</i> , 2010, 9, 636-637.	2.6	18
135	Decoding neuronal composition and ontogeny of individual hypothalamic nuclei. <i>Neuron</i> , 2021, 109, 1150-1167.e6.	8.1	18
136	Flexible encoding of objects and space in single cells of the dentate gyrus. <i>Current Biology</i> , 2022, 32, 1088-1101.e5.	3.9	18
137	Postnatal Neurogenesis in the Human Forebrain: From Two Migratory Streams to Dribbles. <i>Cell Stem Cell</i> , 2011, 9, 385-386.	11.1	17
138	DNA damage and repair regulate neuronal gene expression. <i>Cell Research</i> , 2015, 25, 993-994.	12.0	17
139	Pharmacological rescue in patient iPSC and mouse models with a rare DISC1 mutation. <i>Nature Communications</i> , 2021, 12, 1398.	12.8	17
140	Applications of Brain Organoids for Infectious Diseases. <i>Journal of Molecular Biology</i> , 2022, 434, 167243.	4.2	17
141	New directions in neuroregeneration. <i>Expert Opinion on Biological Therapy</i> , 2006, 6, 735-738.	3.1	16
142	Modeling traumatic brain injury with human brain organoids. <i>Current Opinion in Biomedical Engineering</i> , 2020, 14, 52-58.	3.4	15
143	Building the brain from scratch: Engineering region-specific brain organoids from human stem cells to study neural development and disease. <i>Current Topics in Developmental Biology</i> , 2021, 142, 477-530.	2.2	15
144	Application of niclosamide and analogs as small molecule inhibitors of Zika virus and SARS-CoV-2 infection. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2021, 40, 127906.	2.2	15

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145	DISC1-mediated dysregulation of adult hippocampal neurogenesis in rats. <i>Frontiers in Systems Neuroscience</i> , 2015, 9, 93.	2.5	14
146	High-Affinity Chimeric Antigen Receptor With Cross-Reactive scFv to Clinically Relevant EGFR Oncogenic Isoforms. <i>Frontiers in Oncology</i> , 2021, 11, 664236.	2.8	14
147	Patterning of brain organoids derived from human pluripotent stem cells. <i>Current Opinion in Neurobiology</i> , 2022, 74, 102536.	4.2	13
148	What Is the Relationship Between Hippocampal Neurogenesis Across Different Stages of the Lifespan?. <i>Frontiers in Neuroscience</i> , 2022, 16, .	2.8	13
149	Molecular Toggle Switch of Histone Demethylase LSD1. <i>Molecular Cell</i> , 2015, 57, 949-950.	9.7	12
150	PUS7: a targetable epitranscriptomic regulator of glioblastoma growth. <i>Trends in Pharmacological Sciences</i> , 2021, 42, 976-978.	8.7	10
151	3D spatial genome organization in the nervous system: From development and plasticity to disease. <i>Neuron</i> , 2022, 110, 2902-2915.	8.1	10
152	Rheb1 mediates DISC1-dependent regulation of new neuron development in the adult hippocampus. <i>Neurogenesis (Austin, Tex)</i> , 2015, 2, e1081715.	1.5	9
153	Enhancing oligodendrocyte differentiation by transient transcription activation via DNA nanoparticle-mediated transfection. <i>Acta Biomaterialia</i> , 2017, 54, 249-258.	8.3	8
154	CYFIP1 Dosages Exhibit Divergent Behavioral Impact via Diametric Regulation of NMDA Receptor Complex Translation in Mouse Models of Psychiatric Disorders. <i>Biological Psychiatry</i> , 2022, 92, 815-826.	1.3	8
155	Microglia modulate neurodevelopment in human neuroimmune organoids. <i>Cell Stem Cell</i> , 2021, 28, 2035-2036.	11.1	8
156	An Integrated Systems Biology Approach Identifies the Proteasome as A Critical Host Machinery for ZIKV and DENV Replication. <i>Genomics, Proteomics and Bioinformatics</i> , 2021, 19, 108-122.	6.9	7
157	Partitioning RNAs by length improves transcriptome reconstruction from short-read RNA-seq data. <i>Nature Biotechnology</i> , 2022, 40, 741-750.	17.5	7
158	Application of reprogrammed patient cells to investigate the etiology of neurological and psychiatric disorders. <i>Frontiers in Biology</i> , 2012, 7, 179-188.	0.7	6
159	Persistent Cyfip1 Expression Is Required to Maintain the Adult Subventricular Zone Neurogenic Niche. <i>Journal of Neuroscience</i> , 2020, 40, 2015-2024.	3.6	6
160	Using Two- and Three-Dimensional Human iPSC Culture Systems to Model Psychiatric Disorders. <i>Advances in Neurobiology</i> , 2020, 25, 237-257.	1.8	6
161	Setting the clock of neural progenitor cells during mammalian corticogenesis. <i>Seminars in Cell and Developmental Biology</i> , 2023, 142, 43-53.	5.0	6
162	Life or death: developing cortical interneurons make their own decision. <i>EMBO Journal</i> , 2012, 31, 4373-4374.	7.8	5

#	ARTICLE	IF	CITATIONS
163	Seeking a Roadmap toward Neuroepigenetics. <i>Neuron</i> , 2015, 86, 12-15.	8.1	5
164	What Makes Organoids Good Models of Human Neurogenesis?. <i>Frontiers in Neuroscience</i> , 2022, 16, 872794.	2.8	5
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170	A previously undetected pathology of Zika virus infection. <i>Nature Medicine</i> , 2018, 24, 258-259.	30.7	2
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172	Using human induced pluripotent stem cells for modeling schizophrenia, a psychiatric disorder. <i>Drug Discovery Today: Disease Models</i> , 2012, 9, e179-e184.	1.2	1
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177	TMOD-13. MODELING THE GENETIC, TRANSCRIPTOMIC, AND CELLULAR HETEROGENEITY OF GLIOBLASTOMA USING TUMOR ORGANOIDs. <i>Neuro-Oncology</i> , 2019, 21, vi265-vi265.	1.2	0
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182	Retroviral Labeling and Imaging of Newborn Neurons in the Adult Brain. , 2012, , 201-219.		0
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