

Fred H Gage

List of Publications by Year in descending order

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291
papers

91,551
citations

356

136
h-index

329

287
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321
all docs

321
docs citations

321
times ranked

63081
citing authors

#	ARTICLE	IF	CITATIONS
1	Neurogenesis in the adult human hippocampus. <i>Nature Medicine</i> , 1998, 4, 1313-1317.	30.7	5,606
2	Running increases cell proliferation and neurogenesis in the adult mouse dentate gyrus. <i>Nature Neuroscience</i> , 1999, 2, 266-270.	14.8	3,370
3	More hippocampal neurons in adult mice living in an enriched environment. <i>Nature</i> , 1997, 386, 493-495.	27.8	3,215
4	Mechanisms Underlying Inflammation in Neurodegeneration. <i>Cell</i> , 2010, 140, 918-934.	28.9	2,860
5	Mechanisms and Functional Implications of Adult Neurogenesis. <i>Cell</i> , 2008, 132, 645-660.	28.9	2,678
6	Functional neurogenesis in the adult hippocampus. <i>Nature</i> , 2002, 415, 1030-1034.	27.8	2,558
7	Neural consequences of environmental enrichment. <i>Nature Reviews Neuroscience</i> , 2000, 1, 191-198.	10.2	2,147
8	Exercise Enhances Learning and Hippocampal Neurogenesis in Aged Mice. <i>Journal of Neuroscience</i> , 2005, 25, 8680-8685.	3.6	1,796
9	New neurons and new memories: how does adult hippocampal neurogenesis affect learning and memory?. <i>Nature Reviews Neuroscience</i> , 2010, 11, 339-350.	10.2	1,766
10	Vascular niche for adult hippocampal neurogenesis. <i>Journal of Comparative Neurology</i> , 2000, 425, 479-494.	1.6	1,700
11	Wnt signalling regulates adult hippocampal neurogenesis. <i>Nature</i> , 2005, 437, 1370-1375.	27.8	1,363
12	Astroglia induce neurogenesis from adult neural stem cells. <i>Nature</i> , 2002, 417, 39-44.	27.8	1,342
13	Modelling schizophrenia using human induced pluripotent stem cells. <i>Nature</i> , 2011, 473, 221-225.	27.8	1,206
14	A Model for Neural Development and Treatment of Rett Syndrome Using Human Induced Pluripotent Stem Cells. <i>Cell</i> , 2010, 143, 527-539.	28.9	1,175
15	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
16	Probing sporadic and familial Alzheimer's disease using induced pluripotent stem cells. <i>Nature</i> , 2012, 482, 216-220.	27.8	1,069
17	Experience-Induced Neurogenesis in the Senescent Dentate Gyrus. <i>Journal of Neuroscience</i> , 1998, 18, 3206-3212.	3.6	1,011
18	The Adult Rat Hippocampus Contains Primordial Neural Stem Cells. <i>Molecular and Cellular Neurosciences</i> , 1997, 8, 389-404.	2.2	1,005

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19	An environment-dependent transcriptional network specifies human microglia identity. <i>Science</i> , 2017, 356, .	12.6	911
20	Human embryonic stem cells express an immunogenic nonhuman sialic acid. <i>Nature Medicine</i> , 2005, 11, 228-232.	30.7	884
21	Somatic mosaicism in neuronal precursor cells mediated by L1 retrotransposition. <i>Nature</i> , 2005, 435, 903-910.	27.8	860
22	Adult Neurogenesis in the Hippocampus: From Stem Cells to Behavior. <i>Cell</i> , 2016, 167, 897-914.	28.9	850
23	Fibroblast Growth Factor-2 Activates a Latent Neurogenic Program in Neural Stem Cells from Diverse Regions of the Adult CNS. <i>Journal of Neuroscience</i> , 1999, 19, 8487-8497.	3.6	844
24	Early determination and long-term persistence of adult-generated new neurons in the hippocampus of mice. <i>Development (Cambridge)</i> , 2003, 130, 391-399.	2.5	841
25	An in vivo model of functional and vascularized human brain organoids. <i>Nature Biotechnology</i> , 2018, 36, 432-441.	17.5	826
26	Adult hippocampal neurogenesis and its role in Alzheimer's disease. <i>Molecular Neurodegeneration</i> , 2011, 6, 85.	10.8	820
27	A Nurr1/CoREST Pathway in Microglia and Astrocytes Protects Dopaminergic Neurons from Inflammation-Induced Death. <i>Cell</i> , 2009, 137, 47-59.	28.9	811
28	Neuroplasticity in old age: Sustained fivefold induction of hippocampal neurogenesis by long-term environmental enrichment. <i>Annals of Neurology</i> , 2002, 52, 135-143.	5.3	796
29	Regenerating the damaged central nervous system. <i>Nature</i> , 2000, 407, 963-970.	27.8	777
30	L1 retrotransposition in human neural progenitor cells. <i>Nature</i> , 2009, 460, 1127-1131.	27.8	750
31	In Vivo Fate Analysis Reveals the Multipotent and Self-Renewal Capacities of Sox2+ Neural Stem Cells in the Adult Hippocampus. <i>Cell Stem Cell</i> , 2007, 1, 515-528.	11.1	717
32	Neurogenesis in the Adult Hippocampus. <i>Cold Spring Harbor Perspectives in Biology</i> , 2015, 7, a018812.	5.5	676
33	Adult Spinal Cord Stem Cells Generate Neurons after Transplantation in the Adult Dentate Gyrus. <i>Journal of Neuroscience</i> , 2000, 20, 8727-8735.	3.6	670
34	Neurogenesis in the Adult Brain. <i>Journal of Neuroscience</i> , 2002, 22, 612-613.	3.6	661
35	Histone deacetylase inhibition-mediated neuronal differentiation of multipotent adult neural progenitor cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 16659-16664.	7.1	656
36	Neurons born in the adult dentate gyrus form functional synapses with target cells. <i>Nature Neuroscience</i> , 2008, 11, 901-907.	14.8	640

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37	Human Adult Neurogenesis: Evidence and Remaining Questions. <i>Cell Stem Cell</i> , 2018, 23, 25-30.	11.1	601
38	Differentiation of adult hippocampus-derived progenitors into olfactory neurons in vivo. <i>Nature</i> , 1996, 383, 624-627.	27.8	599
39	Potential role for adult neurogenesis in the encoding of time in new memories. <i>Nature Neuroscience</i> , 2006, 9, 723-727.	14.8	589
40	Neural stem cells from adult hippocampus develop essential properties of functional CNS neurons. <i>Nature Neuroscience</i> , 2002, 5, 438-445.	14.8	588
41	Wnt-mediated activation of NeuroD1 and retro-elements during adult neurogenesis. <i>Nature Neuroscience</i> , 2009, 12, 1097-1105.	14.8	584
42	L1 retrotransposition in neurons is modulated by MeCP2. <i>Nature</i> , 2010, 468, 443-446.	27.8	572
43	Dentate gyrus-specific knockdown of adult neurogenesis impairs spatial and object recognition memory in adult rats. <i>Learning and Memory</i> , 2009, 16, 147-154.	1.3	562
44	NMDA-receptor-mediated, cell-specific integration of new neurons in adult dentate gyrus. <i>Nature</i> , 2006, 442, 929-933.	27.8	550
45	Directly Reprogrammed Human Neurons Retain Aging-Associated Transcriptomic Signatures and Reveal Age-Related Nucleocytoplasmic Defects. <i>Cell Stem Cell</i> , 2015, 17, 705-718.	11.1	545
46	Combined adult neurogenesis and BDNF mimic exercise effects on cognition in an Alzheimer's mouse model. <i>Science</i> , 2018, 361, .	12.6	536
47	Reduced Hippocampal Neurogenesis in Adult Transgenic Mice with Chronic Astrocytic Production of Interleukin-6. <i>Journal of Neuroscience</i> , 2002, 22, 486-492.	3.6	528
48	Modifiers of C9orf72 dipeptide repeat toxicity connect nucleocytoplasmic transport defects to FTD/ALS. <i>Nature Neuroscience</i> , 2015, 18, 1226-1229.	14.8	528
49	Adult-generated neurons in the dentate gyrus send axonal projections to field CA3 and are surrounded by synaptic vesicles. <i>Journal of Comparative Neurology</i> , 1999, 406, 449-460.	1.6	519
50	Regulation and Function of Adult Neurogenesis: From Genes to Cognition. <i>Physiological Reviews</i> , 2014, 94, 991-1026.	28.8	516
51	Synapse formation on neurons born in the adult hippocampus. <i>Nature Neuroscience</i> , 2007, 10, 727-734.	14.8	499
52	Mosaic Copy Number Variation in Human Neurons. <i>Science</i> , 2013, 342, 632-637.	12.6	488
53	Brain cell type-specific enhancer-promoter interactome maps and disease risk association. <i>Science</i> , 2019, 366, 1134-1139.	12.6	486
54	Neural Stem Cells: Generating and Regenerating the Brain. <i>Neuron</i> , 2013, 80, 588-601.	8.1	479

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55	A role for adult TLX-positive neural stem cells in learning and behaviour. <i>Nature</i> , 2008, 451, 1004-1007.	27.8	469
56	Differential responses to lithium in hyperexcitable neurons from patients with bipolar disorder. <i>Nature</i> , 2015, 527, 95-99.	27.8	461
57	Experience-Specific Functional Modification of the Dentate Gyrus through Adult Neurogenesis: A Critical Period during an Immature Stage. <i>Journal of Neuroscience</i> , 2007, 27, 3252-3259.	3.6	455
58	Metabolic reprogramming during neuronal differentiation from aerobic glycolysis to neuronal oxidative phosphorylation. <i>ELife</i> , 2016, 5, .	6.0	451
59	Altered synaptic physiology and reduced susceptibility to kainate-induced seizures in GluR6-deficient mice. <i>Nature</i> , 1998, 392, 601-605.	27.8	450
60	Adult-Born Hippocampal Dentate Granule Cells Undergoing Maturation Modulate Learning and Memory in the Brain. <i>Journal of Neuroscience</i> , 2009, 29, 13532-13542.	3.6	426
61	Signaling through BMPRII Regulates Quiescence and Long-Term Activity of Neural Stem Cells in the Adult Hippocampus. <i>Cell Stem Cell</i> , 2010, 7, 78-89.	11.1	417
62	The role of adult hippocampal neurogenesis in brain health and disease. <i>Molecular Psychiatry</i> , 2019, 24, 67-87.	7.9	416
63	Non-Cell-Autonomous Effect of Human SOD1G37R Astrocytes on Motor Neurons Derived from Human Embryonic Stem Cells. <i>Cell Stem Cell</i> , 2008, 3, 649-657.	11.1	414
64	The Adult Substantia Nigra Contains Progenitor Cells with Neurogenic Potential. <i>Journal of Neuroscience</i> , 2002, 22, 6639-6649.	3.6	408
65	Retinoic acid and neurotrophins collaborate to regulate neurogenesis in adult-derived neural stem cell cultures. <i>Journal of Neurobiology</i> , 1999, 38, 65-81.	3.6	384
66	Induced pluripotent stem cells: the new patient?. <i>Nature Reviews Molecular Cell Biology</i> , 2012, 13, 713-726.	37.0	377
67	Expression and function of orphan nuclear receptor TLX in adult neural stem cells. <i>Nature</i> , 2004, 427, 78-83.	27.8	368
68	Neurodegenerative disease and adult neurogenesis. <i>European Journal of Neuroscience</i> , 2011, 33, 1139-1151.	2.6	352
69	Altered proliferation and networks in neural cells derived from idiopathic autistic individuals. <i>Molecular Psychiatry</i> , 2017, 22, 820-835.	7.9	349
70	Mice lacking methyl-CpG binding protein 1 have deficits in adult neurogenesis and hippocampal function. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 6777-6782.	7.1	346
71	Nuclear RNA-seq of single neurons reveals molecular signatures of activation. <i>Nature Communications</i> , 2016, 7, 11022.	12.8	343
72	Genomic Anatomy of the Hippocampus. <i>Neuron</i> , 2008, 60, 1010-1021.	8.1	337

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73	Computational Influence of Adult Neurogenesis on Memory Encoding. <i>Neuron</i> , 2009, 61, 187-202.	8.1	335
74	Cell fusion-independent differentiation of neural stem cells to the endothelial lineage. <i>Nature</i> , 2004, 430, 350-356.	27.8	331
75	Seizure-Associated, Aberrant Neurogenesis in Adult Rats Characterized with Retrovirus-Mediated Cell Labeling. <i>Journal of Neuroscience</i> , 2007, 27, 9400-9407.	3.6	328
76	Signaling in Adult Neurogenesis. <i>Annual Review of Cell and Developmental Biology</i> , 2009, 25, 253-275.	9.4	324
77	RNA-sequencing from single nuclei. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 19802-19807.	7.1	321
78	Morphological response of axotomized septal neurons to nerve growth factor. <i>Journal of Comparative Neurology</i> , 1988, 269, 147-155.	1.6	317
79	Functional Convergence of Neurons Generated in the Developing and Adult Hippocampus. <i>PLoS Biology</i> , 2006, 4, e409.	5.6	317
80	Neuronal medium that supports basic synaptic functions and activity of human neurons in vitro. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, E2725-34.	7.1	317
81	Cell-Surface Marker Signatures for the Isolation of Neural Stem Cells, Glia and Neurons Derived from Human Pluripotent Stem Cells. <i>PLoS ONE</i> , 2011, 6, e17540.	2.5	317
82	High-resolution comparative analysis of great ape genomes. <i>Science</i> , 2018, 360, .	12.6	304
83	Epigenetic choreographers of neurogenesis in the adult mammalian brain. <i>Nature Neuroscience</i> , 2010, 13, 1338-1344.	14.8	302
84	Tau Protein Disrupts Nucleocytoplasmic Transport in Alzheimer's Disease. <i>Neuron</i> , 2018, 99, 925-940.e7.	8.1	302
85	GABA-cAMP Response Element-Binding Protein Signaling Regulates Maturation and Survival of Newly Generated Neurons in the Adult Hippocampus. <i>Journal of Neuroscience</i> , 2009, 29, 7966-7977.	3.6	299
86	Enhancer Divergence and cis-Regulatory Evolution in the Human and Chimp Neural Crest. <i>Cell</i> , 2015, 163, 68-83.	28.9	299
87	IGF-I instructs multipotent adult neural progenitor cells to become oligodendrocytes. <i>Journal of Cell Biology</i> , 2004, 164, 111-122.	5.2	294
88	2D and 3D Stem Cell Models of Primate Cortical Development Identify Species-Specific Differences in Progenitor Behavior Contributing to Brain Size. <i>Cell Stem Cell</i> , 2016, 18, 467-480.	11.1	292
89	What is memory? The present state of the engram. <i>BMC Biology</i> , 2016, 14, 40.	3.8	277
90	Transcriptional Signature and Memory Retention of Human-Induced Pluripotent Stem Cells. <i>PLoS ONE</i> , 2009, 4, e7076.	2.5	276

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91	Neurogenic niche modulation by activated microglia: transforming growth factor β increases neurogenesis in the adult dentate gyrus. <i>European Journal of Neuroscience</i> , 2006, 23, 83-93.	2.6	275
92	Mutant Huntingtin promotes autonomous microglia activation via myeloid lineage-determining factors. <i>Nature Neuroscience</i> , 2014, 17, 513-521.	14.8	274
93	Identification of Astrocyte-expressed Factors That Modulate Neural Stem/Progenitor Cell Differentiation. <i>Stem Cells and Development</i> , 2006, 15, 407-421.	2.1	273
94	Orphan nuclear receptor TLX activates Wnt/ β -catenin signalling to stimulate neural stem cell proliferation and self-renewal. <i>Nature Cell Biology</i> , 2010, 12, 31-40.	10.3	273
95	Adult neurogenesis: integrating theories and separating functions. <i>Trends in Cognitive Sciences</i> , 2010, 14, 325-337.	7.8	262
96	Nerve growth factor receptor and choline acetyltransferase colocalization in neurons within the rat forebrain: Response to fimbria-fornix transection. <i>Journal of Comparative Neurology</i> , 1989, 284, 187-204.	1.6	258
97	Defining a Molecular Atlas of the Hippocampus Using DNA Microarrays and High-Throughput In Situ Hybridization. <i>Journal of Neuroscience</i> , 2004, 24, 3879-3889.	3.6	255
98	LINE-1 retrotransposons: mediators of somatic variation in neuronal genomes?. <i>Trends in Neurosciences</i> , 2010, 33, 345-354.	8.6	249
99	Monosynaptic inputs to new neurons in the dentate gyrus. <i>Nature Communications</i> , 2012, 3, 1107.	12.8	244
100	Directed differentiation of hippocampal stem/progenitor cells in the adult brain. <i>Nature Neuroscience</i> , 2008, 11, 888-893.	14.8	242
101	Evaluating cell reprogramming, differentiation and conversion technologies in neuroscience. <i>Nature Reviews Neuroscience</i> , 2016, 17, 424-437.	10.2	239
102	Generation of neuronal variability and complexity. <i>Nature</i> , 2006, 441, 1087-1093.	27.8	237
103	Modeling Hippocampal Neurogenesis Using Human Pluripotent Stem Cells. <i>Stem Cell Reports</i> , 2014, 2, 295-310.	4.8	231
104	Mobile DNA elements in the generation of diversity and complexity in the brain. <i>Nature Reviews Neuroscience</i> , 2014, 15, 497-506.	10.2	230
105	Exercise increases hippocampal neurogenesis to high levels but does not improve spatial learning in mice bred for increased voluntary wheel running.. <i>Behavioral Neuroscience</i> , 2003, 117, 1006-1016.	1.2	225
106	Differential L1 regulation in pluripotent stem cells of humans and apes. <i>Nature</i> , 2013, 503, 525-529.	27.8	220
107	Generation of multiciliated cells in functional airway epithelia from human induced pluripotent stem cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, E1723-30.	7.1	218
108	Ataxia telangiectasia mutated (ATM) modulates long interspersed element-1 (L1) retrotransposition in human neural stem cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 20382-20387.	7.1	217

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109	Pathological priming causes developmental gene network heterochronicity in autistic subject-derived neurons. <i>Nature Neuroscience</i> , 2019, 22, 243-255.	14.8	209
110	Review: adult neurogenesis contributes to hippocampal plasticity. <i>Cell and Tissue Research</i> , 2018, 373, 693-709.	2.9	207
111	Experience-dependent regulation of adult hippocampal neurogenesis: Effects of long-term stimulation and stimulus withdrawal. <i>Hippocampus</i> , 1999, 9, 321-332.	1.9	206
112	KCC2 rescues functional deficits in human neurons derived from patients with Rett syndrome. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 751-756.	7.1	206
113	Intersection of diverse neuronal genomes and neuropsychiatric disease: The Brain Somatic Mosaicism Network. <i>Science</i> , 2017, 356, .	12.6	206
114	Aging in a Dish: iPSC-Derived and Directly Induced Neurons for Studying Brain Aging and Age-Related Neurodegenerative Diseases. <i>Annual Review of Genetics</i> , 2018, 52, 271-293.	7.6	206
115	Th17 Lymphocytes Induce Neuronal Cell Death in a Human iPSC-Based Model of Parkinson's Disease. <i>Cell Stem Cell</i> , 2018, 23, 123-131.e6.	11.1	206
116	Epigenetic control of neural stem cell fate. <i>Current Opinion in Genetics and Development</i> , 2004, 14, 461-469.	3.3	204
117	Identities of Sequestered Proteins in Aggregates from Cells with Induced Polyglutamine Expression. <i>Journal of Cell Biology</i> , 2001, 153, 283-294.	5.2	200
118	Cell fusion causes confusion. <i>Nature</i> , 2002, 416, 485-487.	27.8	198
119	Mecp2 deficiency leads to delayed maturation and altered gene expression in hippocampal neurons. <i>Neurobiology of Disease</i> , 2007, 27, 77-89.	4.4	196
120	Signaling in adult neurogenesis. <i>Current Opinion in Neurobiology</i> , 2010, 20, 416-423.	4.2	191
121	Genetic and functional differences between multipotent neural and pluripotent embryonic stem cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 11866-11872.	7.1	186
122	Spatial learning sculpts the dendritic arbor of adult-born hippocampal neurons. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 7963-7968.	7.1	184
123	A Quantitative Framework to Evaluate Modeling of Cortical Development by Neural Stem Cells. <i>Neuron</i> , 2014, 83, 69-86.	8.1	184
124	Transcriptional profiling reveals strict boundaries between hippocampal subregions. <i>Journal of Comparative Neurology</i> , 2001, 441, 187-196.	1.6	178
125	Primate-Specific ORF0 Contributes to Retrotransposon-Mediated Diversity. <i>Cell</i> , 2015, 163, 583-593.	28.9	177
126	Adeno-associated virus effectively mediates conditional gene modification in the brain. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 2320-2325.	7.1	175

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127	Environmental influence on L1 retrotransposons in the adult hippocampus. <i>Hippocampus</i> , 2009, 19, 1002-1007.	1.9	174
128	Gene Expression Profiling of Neural Stem Cells and Their Neuronal Progeny Reveals IGF2 as a Regulator of Adult Hippocampal Neurogenesis. <i>Journal of Neuroscience</i> , 2012, 32, 3376-3387.	3.6	173
129	A human neurodevelopmental model for Williams syndrome. <i>Nature</i> , 2016, 536, 338-343.	27.8	166
130	Induced pluripotent stem cells (iPSCs) and neurological disease modeling: progress and promises. <i>Human Molecular Genetics</i> , 2011, 20, R109-R115.	2.9	165
131	Differential properties of adult rat and mouse brain-derived neural stem/progenitor cells. <i>Molecular and Cellular Neurosciences</i> , 2006, 31, 560-573.	2.2	164
132	Robust in vivo gene transfer into adult mammalian neural stem cells by lentiviral vectors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 14835-14840.	7.1	163
133	L1-associated genomic regions are deleted in somatic cells of the healthy human brain. <i>Nature Neuroscience</i> , 2016, 19, 1583-1591.	14.8	159
134	The role of retrotransposable elements in ageing and age-associated diseases. <i>Nature</i> , 2021, 596, 43-53.	27.8	156
135	The Role of Transposable Elements in Health and Diseases of the Central Nervous System. <i>Journal of Neuroscience</i> , 2013, 33, 17577-17586.	3.6	155
136	Genetic influence on phenotypic differentiation in adult hippocampal neurogenesis. <i>Developmental Brain Research</i> , 2002, 134, 1-12.	1.7	150
137	Discussion point Stem cells of the central nervous system. <i>Current Opinion in Neurobiology</i> , 1998, 8, 671-676.	4.2	149
138	Adult neurogenesis in mammals. <i>Science</i> , 2019, 364, 827-828.	12.6	149
139	Cholinergic strategies for Alzheimer's disease. <i>Journal of Molecular Medicine</i> , 1998, 76, 555-567.	3.9	147
140	Selection of distinct populations of dentate granule cells in response to inputs as a mechanism for pattern separation in mice. <i>ELife</i> , 2013, 2, e00312.	6.0	140
141	Redefining the boundaries of the hippocampal CA2 subfield in the mouse using gene expression and 3-dimensional reconstruction. <i>Journal of Comparative Neurology</i> , 2005, 485, 1-10.	1.6	134
142	Adult Hippocampal Neurogenesis: A Coming-of-Age Story. <i>Journal of Neuroscience</i> , 2018, 38, 10401-10410.	3.6	134
143	CRISPR interference-based specific and efficient gene inactivation in the brain. <i>Nature Neuroscience</i> , 2018, 21, 447-454.	14.8	133
144	SOX2 primes the epigenetic landscape in neural precursors enabling proper gene activation during hippocampal neurogenesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, E1936-45.	7.1	131

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145	The necessary junk: new functions for transposable elements. <i>Human Molecular Genetics</i> , 2007, 16, R159-R167.	2.9	128
146	Pluripotent stem cells in neurodegenerative and neurodevelopmental diseases. <i>Human Molecular Genetics</i> , 2010, 19, R71-R76.	2.9	127
147	Zika Virus Targets Glioblastoma Stem Cells through a SOX2-Integrin β 5 Axis. <i>Cell Stem Cell</i> , 2020, 26, 187-204.e10.	11.1	126
148	Differentiation of Inflammation-Responsive Astrocytes from Glial Progenitors Generated from Human Induced Pluripotent Stem Cells. <i>Stem Cell Reports</i> , 2017, 8, 1757-1769.	4.8	120
149	Retrovirus-mediated single-cell gene knockout technique in adult newborn neurons in vivo. <i>Nature Protocols</i> , 2006, 1, 3049-3055.	12.0	119
150	Nuclear receptor TLX prevents retinal dystrophy and recruits the corepressor atrophin1. <i>Genes and Development</i> , 2006, 20, 1308-1320.	5.9	119
151	Age-dependent instability of mature neuronal fate in induced neurons from Alzheimer's patients. <i>Cell Stem Cell</i> , 2021, 28, 1533-1548.e6.	11.1	119
152	Efficient Generation of CA3 Neurons from Human Pluripotent Stem Cells Enables Modeling of Hippocampal Connectivity In Vitro. <i>Cell Stem Cell</i> , 2018, 22, 684-697.e9.	11.1	118
153	Adult neurogenesis: bridging the gap between mice and humans. <i>Trends in Cell Biology</i> , 2014, 24, 558-563.	7.9	117
154	Early life experience drives structural variation of neural genomes in mice. <i>Science</i> , 2018, 359, 1395-1399.	12.6	117
155	Alleviation of neuronal energy deficiency by mTOR inhibition as a treatment for mitochondria-related neurodegeneration. <i>ELife</i> , 2016, 5, .	6.0	117
156	Mitochondria, Metabolism, and Redox Mechanisms in Psychiatric Disorders. <i>Antioxidants and Redox Signaling</i> , 2019, 31, 275-317.	5.4	112
157	Bipotent progenitor cell lines from the human CNS. <i>Nature Biotechnology</i> , 1997, 15, 574-580.	17.5	111
158	Response of septal cholinergic neurons to axotomy. <i>Journal of Comparative Neurology</i> , 1987, 264, 421-436.	1.6	108
159	Dysregulation of miRNA-9 in a Subset of Schizophrenia Patient-Derived Neural Progenitor Cells. <i>Cell Reports</i> , 2016, 15, 1024-1036.	6.4	107
160	Modeling psychiatric disorders using patient stem cell-derived neurons: a way forward. <i>Genome Medicine</i> , 2018, 10, 1.	8.2	107
161	PI3K mediated electrotaxis of embryonic and adult neural progenitor cells in the presence of growth factors. <i>Experimental Neurology</i> , 2011, 227, 210-217.	4.1	104
162	Similar GABAergic inputs in dentate granule cells born during embryonic and adult neurogenesis. <i>European Journal of Neuroscience</i> , 2007, 25, 2973-2981.	2.6	103

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163	A Distinctive layering pattern of mouse dentate granule cells is generated by developmental and adult neurogenesis. <i>Journal of Comparative Neurology</i> , 2010, 518, 4479-4490.	1.6	103
164	Roles of Heat Shock Factor 1 in Neuronal Response to Fetal Environmental Risks and Its Relevance to Brain Disorders. <i>Neuron</i> , 2014, 82, 560-572.	8.1	103
165	Emergence of a Homo sapiens-specific gene family and chromosome 16p11.2 CNV susceptibility. <i>Nature</i> , 2016, 536, 205-209.	27.8	102
166	Human iPSC Neurons Display Activity-Dependent Neurotransmitter Secretion: Aberrant Catecholamine Levels in Schizophrenia Neurons. <i>Stem Cell Reports</i> , 2014, 3, 531-538.	4.8	97
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