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 g-index
321 all docs	321 docs citations	321 times ranked	63081 citing authors

#	Article	IF	Citations
1	Oleic acid regulates hippocampal neurogenesis as a TLX ligand. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, e2203038119.	7.1	2
2	Somatic mosaicism reveals clonal distributions of neocortical development. Nature, 2022, 604, 689-696.	27.8	26
3	Inositol monophosphatase 1 (IMPA1) mutation in intellectual disability patients impairs neurogenesis but not gliogenesis. Molecular Psychiatry, 2021, 26, 3558-3571.	7.9	8
4	Cellular complexity in brain organoids: Current progress and unsolved issues. Seminars in Cell and Developmental Biology, 2021, 111, 32-39.	5.0	32
5	Human serotonergic neurons, selective serotonin reuptake inhibitor (SSRI) resistance and major depressive disorder. , 2021, , 323-330.		0
6	The landscape of somatic mutation in cerebral cortex of autistic and neurotypical individuals revealed by ultra-deep whole-genome sequencing. Nature Neuroscience, 2021, 24, 176-185.	14.8	73
7	Cytoplasmic synthesis of endogenous Alu complementary DNA via reverse transcription and implications in age-related macular degeneration. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	36
8	Circadian rhythms in bipolar disorder patient-derived neurons predict lithium response: preliminary studies. Molecular Psychiatry, 2021, 26, 3383-3394.	7.9	29
9	Sensing serotonin secreted from human serotonergic neurons using aptamer-modified nanopipettes. Molecular Psychiatry, 2021, 26, 2753-2763.	7.9	19
10	The When and Where: Molecular and Cellular Convergence in Autism. Biological Psychiatry, 2021, 89, 419-420.	1.3	2
11	To eat, or not to eat, that is the question: Neural stem cells escape phagocytosis in autism with macrocephaly. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, e2104888118.	7.1	0
12	Altered Neuronal Support and Inflammatory Response in Bipolar Disorder Patient-Derived Astrocytes. Stem Cell Reports, 2021, 16, 825-835.	4.8	20
13	Incorporation of a nucleoside analog maps genome repair sites in postmitotic human neurons. Science, 2021, 372, 91-94.	12.6	68
14	Intermittent fasting enhances long-term memory consolidation, adult hippocampal neurogenesis, and expression of longevity gene Klotho. Molecular Psychiatry, 2021, 26, 6365-6379.	7.9	54
15	The Rhox gene cluster suppresses germline LINE1 transposition. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	7
16	AAV ablates neurogenesis in the adult murine hippocampus. ELife, 2021, 10, .	6.0	45
17	The role of retrotransposable elements in ageing and age-associated diseases. Nature, 2021, 596, 43-53.	27.8	156
18	Age-dependent instability of mature neuronal fate in induced neurons from Alzheimerâ€™s patients. Cell Stem Cell, 2021, 28, 1533-1548.e6.	11.1	119

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19	Machine learning reveals bilateral distribution of somatic L1 insertions in human neurons and glia. Nature Neuroscience, 2021, 24, 186-196.	14.8	22
20	Deficient LEF1 expression is associated with lithium resistance and hyperexcitability in neurons derived from bipolar disorder patients. Molecular Psychiatry, 2021, 26, 2440-2456.	7.9	41
21	Lamin B1 decline underlies ageâ€related loss of adult hippocampal neurogenesis. EMBO Journal, 2021, 40, e105819.	7.8	33
22	Adult neurogenesis in neurological diseases. Science, 2021, 374, 1049-1050.	12.6	13
23	Chronic cortisol differentially impacts stem cell-derived astrocytes from major depressive disorder patients. Translational Psychiatry, 2021, 11, 608.	4.8	11
24	Limits to human neurogenesisâ€"really?. Molecular Psychiatry, 2020, 25, 2207-2209.	7.9	42
25	Modeling neuropsychiatric disorders using human induced pluripotent stem cells. Protein and Cell, 2020, 11, 45-59.	11.0	58
26	Mechanisms Underlying the Hyperexcitability of CA3 and Dentate Gyrus Hippocampal Neurons Derived From Patients With Bipolar Disorder. Biological Psychiatry, 2020, 88, 139-149.	1.3	39
27	Modeling Brain Disorders Using Induced Pluripotent Stem Cells. Cold Spring Harbor Perspectives in Biology, 2020, 12, a035659.	5.5	28
28	Synaptotagmin-7 deficiency induces mania-like behavioral abnormalities through attenuating GluN2B activity. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 31438-31447.	7.1	13
29	Motoneuron expression profiling identifies an association between an axonal splice variant of HDGF-related protein 3 and peripheral myelination. Journal of Biological Chemistry, 2020, 295, 12233-12246.	3.4	1
30	Identification of bona fide B2 SINE retrotransposon transcription through single-nucleus RNA-seq of the mouse hippocampus. Genome Research, 2020, 30, 1643-1654.	5.5	10
31	A Physiological Instability Displayed in Hippocampal Neurons Derived From Lithium-Nonresponsive Bipolar Disorder Patients. Biological Psychiatry, 2020, 88, 150-158.	1.3	28
32	Synaptotagmin-7 is a key factor for bipolar-like behavioral abnormalities in mice. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 4392-4399.	7.1	15
33	Zika Virus Targets Glioblastoma Stem Cells through a SOX2-Integrin Î±vÎ²5 Axis. Cell Stem Cell, 2020, 26, 187-204.e10.	11.1	126
34	Increased Neural Progenitor Proliferation in a hiPSC Model of Autism Induces Replication Stress-Associated Genome Instability. Cell Stem Cell, 2020, 26, 221-233.e6.	11.1	61
35	Modeling Human Cytomegalovirus-Induced Microcephaly in Human iPSC-Derived Brain Organoids. Cell Reports Medicine, 2020, 1, 100002.	6.5	67
36	Loss of the neural-specific BAF subunit ACTL6B relieves repression of early response genes and causes recessive autism. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 10055-10066.	7.1	34

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37	BrainImageR: spatiotemporal gene set analysis referencing the human brain. Bioinformatics, 2019, 35, 343-345.	4.1	18
38	Brain cell typeâ€“specific enhancerâ€“promoter interactome maps and disease - risk association. Science, 2019, 366, 1134-1139.	12.6	486
39	An Epilepsy-Associated KCNT1 Mutation Enhances Excitability of Human iPSC-Derived Neurons by Increasing Slack K_{Na} Currents. Journal of Neuroscience, 2019, 39, 7438-7449.	3.6	70
40	Dynamical Electrical Complexity Is Reduced during Neuronal Differentiation in Autism Spectrum Disorder. Stem Cell Reports, 2019, 13, 474-484.	4.8	13
41	Serotonin-induced hyperactivity in SSRI-resistant major depressive disorder patient-derived neurons. Molecular Psychiatry, 2019, 24, 795-807.	7.9	64
42	Adult neurogenesis in mammals. Science, 2019, 364, 827-828.	12.6	149
43	Studying treatment resistance in depression using patient derived neurons in vitro. Molecular Psychiatry, 2019, 24, 775-775.	7.9	2
44	Altered serotonergic circuitry in SSRI-resistant major depressive disorder patient-derived neurons. Molecular Psychiatry, 2019, 24, 808-818.	7.9	66
45	Entrainment of Circadian Rhythms to Temperature Reveals Amplitude Deficits in Fibroblasts from Patients with Bipolar Disorder and Possible Links to Calcium Channels. Molecular Neuropsychiatry, 2019, 5, 115-124.	2.9	9
46	Microglia, complement and schizophrenia. Nature Neuroscience, 2019, 22, 333-334.	14.8	32
47	Mitochondria, Metabolism, and Redox Mechanisms in Psychiatric Disorders. Antioxidants and Redox Signaling, 2019, 31, 275-317.	5.4	112
48	Pathological priming causes developmental gene network heterochronicity in autistic subject-derived neurons. Nature Neuroscience, 2019, 22, 243-255.	14.8	209
49	Chronotype and cellular circadian rhythms predict the clinical response to lithium maintenance treatment in patients with bipolar disorder. Neuropsychopharmacology, 2019, 44, 620-628.	5.4	80
50	The role of adult hippocampal neurogenesis in brain health and disease. Molecular Psychiatry, 2019, 24, 67-87.	7.9	416
51	Species-specific maturation profiles of human, chimpanzee and bonobo neural cells. ELife, 2019, 8, .	6.0	94
52	Chemical modulation of transcriptionally enriched signaling pathways to optimize the conversion of fibroblasts into neurons. ELife, 2019, 8, .	6.0	38
53	An in vivo model of functional and vascularized human brain organoids. Nature Biotechnology, 2018, 36, 432-441.	17.5	826
54	Human Adult Neurogenesis: Evidence and Remaining Questions. Cell Stem Cell, 2018, 23, 25-30.	11.1	601

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55	CRISPR interference-based specific and efficient gene inactivation in the brain. Nature Neuroscience, 2018, 21, 447-454.	14.8	133
56	Efficient Generation of CA3 Neurons from Human Pluripotent Stem Cells Enables Modeling of Hippocampal Connectivity InÂVitro. Cell Stem Cell, 2018, 22, 684-697.e9.	11.1	118
57	Early life experience drives structural variation of neural genomes in mice. Science, 2018, 359, 1395-1399.	12.6	117
58	Review: adult neurogenesis contributes to hippocampal plasticity. Cell and Tissue Research, 2018, 373, 693-709.	2.9	207
59	Mechanisms of dietary flavonoid action in neuronal function and neuroinflammation. Molecular Aspects of Medicine, 2018, 61, 50-62.	6.4	59
60	Serotonin in psychiatry: in vitro disease modeling using patient-derived neurons. Cell and Tissue Research, 2018, 371, 161-170.	2.9	36
61	Adult Hippocampal Neurogenesis: A Coming-of-Age Story. Journal of Neuroscience, 2018, 38, 10401-10410.	3.6	134
62	Tau Protein Disrupts Nucleocytoplasmic Transport in Alzheimerâ€™s Disease. Neuron, 2018, 99, 925-940.e7.	8.1	302
63	Combined adult neurogenesis and BDNF mimic exercise effects on cognition in an Alzheimerâ€™s mouse model. Science, 2018, 361, .	12.6	536
64	Aging in a Dish: iPSC-Derived and Directly Induced Neurons for Studying Brain Aging and Age-Related Neurodegenerative Diseases. Annual Review of Genetics, 2018, 52, 271-293.	7.6	206
65	A novel environment-evoked transcriptional signature predicts reactivity in single dentate granule neurons. Nature Communications, 2018, 9, 3084.	12.8	72
66	Patch-Seq Protocol to Analyze the Electrophysiology, Morphology and Transcriptome of Whole Single Neurons Derived From Human Pluripotent Stem Cells. Frontiers in Molecular Neuroscience, 2018, 11, 261.	2.9	37
67	Mitochondrial Aging Defects Emerge in Directly Reprogrammed Human Neurons due to Their Metabolic Profile. Cell Reports, 2018, 23, 2550-2558.	6.4	93
68	Prediction of response to drug therapy in psychiatric disorders. Open Biology, 2018, 8, 180031.	3.6	50
69	Th17 Lymphocytes Induce Neuronal Cell Death in a Human iPSC-Based Model of Parkinsonâ€™s Disease. Cell Stem Cell, 2018, 23, 123-131.e6.	11.1	206
70	Modeling psychiatric disorders using patient stem cell-derived neurons: a way forward. Genome Medicine, 2018, 10, 1.	8.2	107
71	Survival of syngeneic and allogeneic iPSCâ€“derived neural precursors after spinal grafting in minipigs. Science Translational Medicine, 2018, 10, .	12.4	42
72	High-resolution comparative analysis of great ape genomes. Science, 2018, 360, .	12.6	304

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73	Centrifugal Inputs to the Main Olfactory Bulb Revealed Through Whole Brain Circuit-Mapping. Frontiers in Neuroanatomy, 2018, 12, 115.	1.7	39
74	Altered proliferation and networks in neural cells derived from idiopathic autistic individuals. Molecular Psychiatry, 2017, 22, 820-835.	7.9	349
75	Variations in brain defects result from cellular mosaicism in the activation of heat shock signalling. Nature Communications, 2017, 8, 15157.	12.8	19
76	Intersection of diverse neuronal genomes and neuropsychiatric disease: The Brain Somatic Mosaicism Network. Science, 2017, 356, .	12.6	206
77	Intact piRNA pathway prevents L1 mobilization in male meiosis. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E5635-E5644.	7.1	81
78	An environment-dependent transcriptional network specifies human microglia identity. Science, 2017, 356, .	12.6	911
79	Differentiation of Inflammation-Responsive Astrocytes from Glial Progenitors Generated from Human Induced Pluripotent Stem Cells. Stem Cell Reports, 2017, 8, 1757-1769.	4.8	120
80	Hippocampal Î±-Synuclein in Dementia with Lewy Bodies Contributes to Memory Impairment and Is Consistent with Spread of Pathology. Journal of Neuroscience, 2017, 37, 1675-1684.	3.6	92
81	MicroRNAs in Post-traumatic Stress Disorder. Current Topics in Behavioral Neurosciences, 2017, 38, 23-46.	1.7	18
82	Nup153 Interacts with Sox2 to Enable Bimodal Gene Regulation and Maintenance of Neural Progenitor Cells. Cell Stem Cell, 2017, 21, 618-634.e7.	11.1	97
83	Conserved expression of transposon-derived non-coding transcripts in primate stem cells. BMC Genomics, 2017, 18, 214.	2.8	40
84	Molecular Mechanisms of Bipolar Disorder: Progress Made and Future Challenges. Frontiers in Cellular Neuroscience, 2017, 11, 30.	3.7	73
85	Examining non-LTR retrotransposons in the context of the evolving primate brain. BMC Biology, 2017, 15, 68.	3.8	19
86	Aging and Rejuvenation: Insights from Rusty Gage, Leonard Guarente, and Amy Wagers. Trends in Molecular Medicine, 2016, 22, 633-634.	6.7	4
87	Functional Implications of miR-19 in the Migration of Newborn Neurons in the Adult Brain. Neuron, 2016, 91, 79-89.	8.1	94
88	Environment-driven somatic mosaicism in brain disorders. Genome Medicine, 2016, 8, 58.	8.2	12
89	2D and 3D Stem Cell Models of Primate Cortical Development Identify Species-Specific Differences in Progenitor Behavior Contributing to Brain Size. Cell Stem Cell, 2016, 18, 467-480.	11.1	292
90	Evaluating cell reprogramming, differentiation and conversion technologies in neuroscience. Nature Reviews Neuroscience, 2016, 17, 424-437.	10.2	239

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91	Evolution of a transcriptional regulator from a transmembrane nucleoporin. Genes and Development, 2016, 30, 1155-1171.	5.9	34
92	What is memory? The present state of the engram. BMC Biology, 2016, 14, 40.	3.8	277
93	The Adaptor Protein CD2AP Is a Coordinator of Neurotrophin Signaling-Mediated Axon Arbor Plasticity. Journal of Neuroscience, 2016, 36, 4259-4275.	3.6	27
94	Î±-Synuclein-induced myelination deficit defines a novel interventional target for multiple system atrophy. Acta Neuropathologica, 2016, 132, 59-75.	7.7	58
95	The Pharmacogenomics of Bipolar Disorder study (PGBD): identification of genes for lithium response in a prospective sample. BMC Psychiatry, 2016, 16, 129.	2.6	61
96	In vivo imaging of dendritic pruning in dentate granule cells. Nature Neuroscience, 2016, 19, 788-791.	14.8	79
97	Generating human serotonergic neurons in vitro: Methodological advances. BioEssays, 2016, 38, 1123-1129.	2.5	20
98	Emergence of a Homo sapiens-specific gene family and chromosome 16p11.2 CNV susceptibility. Nature, 2016, 536, 205-209.	27.8	102
99	Diverse Representations of Olfactory Information in Centrifugal Feedback Projections. Journal of Neuroscience, 2016, 36, 7535-7545.	3.6	39
100	A human neurodevelopmental model for Williams syndrome. Nature, 2016, 536, 338-343.	27.8	166
101	GSK3ÃŸâ€dependent dysregulation of neurodevelopment in SPG11â€patient induced pluripotent stem cell model. Annals of Neurology, 2016, 79, 826-840.	5.3	40
102	Dopaminergic inputs in the dentate gyrus direct the choice of memory encoding. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E5501-10.	7.1	34
103	L1-associated genomic regions are deleted in somatic cells of the healthy human brain. Nature Neuroscience, 2016, 19, 1583-1591.	14.8	159
104	Transcriptional and epigenetic mechanisms of cellular reprogramming to induced pluripotency. Epigenomics, 2016, 8, 1131-1149.	2.1	21
105	Adult Neurogenesis in the Hippocampus: From Stem Cells to Behavior. Cell, 2016, 167, 897-914.	28.9	850
106	Nuclear RNA-seq of single neurons reveals molecular signatures of activation. Nature Communications, 2016, 7, 11022.	12.8	343
107	Dysregulation of miRNA-9 in a Subset of Schizophrenia Patient-Derived Neural Progenitor Cells. Cell Reports, 2016, 15, 1024-1036.	6.4	107
108	A Mechanism for Somatic Brain Mosaicism. Cell, 2016, 164, 593-595.	28.9	24

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109	KCC2 rescues functional deficits in human neurons derived from patients with Rett syndrome. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 751-756.	7.1	206
110	Paradox of pattern separation and adult neurogenesis: A dual role for new neurons balancing memory resolution and robustness. Neurobiology of Learning and Memory, 2016, 129, 60-68.	1.9	78
111	Metabolic reprogramming during neuronal differentiation from aerobic glycolysis to neuronal oxidative phosphorylation. ELife, 2016, 5, .	6.0	451
112	Alleviation of neuronal energy deficiency by mTOR inhibition as a treatment for mitochondria-related neurodegeneration. ELife, 2016, 5, .	6.0	117
113	Transcriptional changes in sensory ganglia associated with primary afferent axon collateral sprouting in spared dermatome model. Genomics Data, 2015, 6, 249-252.	1.3	14
114	The effect of immature adult-born dentate granule cells on hyponeophagial behavior is related to their roles in learning and memory. Frontiers in Systems Neuroscience, 2015, 9, 34.	2.5	14
115	SOX2 primes the epigenetic landscape in neural precursors enabling proper gene activation during hippocampal neurogenesis. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E1936-45.	7.1	131
116	In vitro myelin formation using embryonic stem cells. Development (Cambridge), 2015, 142, 2213-2225.	2.5	84
117	Creating Patient-Specific Neural Cells for the InÂVitro Study of Brain Disorders. Stem Cell Reports, 2015, 5, 933-945.	4.8	72
118	MIR137: big impacts from small changes. Nature Neuroscience, 2015, 18, 931-933.	14.8	4
119	Alzheimerâ€™s Disease: Distinct Stages in Neurogenic Decline?. Biological Psychiatry, 2015, 77, 680-682.	1.3	2
120	Neuronal medium that supports basic synaptic functions and activity of human neurons in vitro. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E2725-34.	7.1	317
121	The Wnt Adaptor Protein ATP6AP2 Regulates Multiple Stages of Adult Hippocampal Neurogenesis. Journal of Neuroscience, 2015, 35, 4983-4998.	3.6	72
122	Environmental enrichment and neurogenesis: from mice to humans. Current Opinion in Behavioral Sciences, 2015, 4, 56-62.	3.9	74
123	Dependence of Hippocampal Function on ERRÎ³-Regulated Mitochondrial Metabolism. Cell Metabolism, 2015, 21, 628-636.	16.2	45
124	Differential responses to lithium in hyperexcitable neurons from patients with bipolar disorder. Nature, 2015, 527, 95-99.	27.8	461
125	Primate-Specific ORF0 Contributes to Retrotransposon-Mediated Diversity. Cell, 2015, 163, 583-593.	28.9	177
126	Directly Reprogrammed Human Neurons Retain Aging-Associated Transcriptomic Signatures and Reveal Age-Related Nucleocytoplasmic Defects. Cell Stem Cell, 2015, 17, 705-718.	11.1	545

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127	Neurogenesis in the Adult Hippocampus. Cold Spring Harbor Perspectives in Biology, 2015, 7, a018812.	5.5	676
128	Modifiers of C9orf72 dipeptide repeat toxicity connect nucleocytoplasmic transport defects to FTD/ALS. Nature Neuroscience, 2015, 18, 1226-1229.	14.8	528
129	Enhancer Divergence and cis-Regulatory Evolution in the Human and Chimp Neural Crest. Cell, 2015, 163, 68-83.	28.9	299
130	REST Regulates Nonâ€“Cell-Autonomous Neuronal Differentiation and Maturation of Neural Progenitor Cells via Secretogranin II. Journal of Neuroscience, 2015, 35, 14872-14884.	3.6	38
131	Enrichment rescues contextual discrimination deficit associated with immediate shock. Hippocampus, 2015, 25, 385-392.	1.9	45
132	Distinct roles of NMDA receptors at different stages of granule cell development in the adult brain. ELife, 2015, 4, e07871.	6.0	26
133	Human iPSC Neurons Display Activity-Dependent Neurotransmitter Secretion: Aberrant Catecholamine Levels in Schizophrenia Neurons. Stem Cell Reports, 2014, 3, 531-538.	4.8	97
134	Modeling Hippocampal Neurogenesis Using Human Pluripotent Stem Cells. Stem Cell Reports, 2014, 2, 295-310.	4.8	231
135	Roles of Heat Shock Factor 1 in Neuronal Response to Fetal Environmental Risks and Its Relevance to Brain Disorders. Neuron, 2014, 82, 560-572.	8.1	103
136	Mutant Huntingtin promotes autonomous microglia activation via myeloid lineage-determining factors. Nature Neuroscience, 2014, 17, 513-521.	14.8	274
137	Generation of multiciliated cells in functional airway epithelia from human induced pluripotent stem cells. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E1723-30.	7.1	218
138	Mother's milk programs offspring's cognition. Nature Neuroscience, 2014, 17, 8-9.	14.8	5
139	Spine morphogenesis in newborn granule cells is differentially regulated in the outer and middle molecular layers. Journal of Comparative Neurology, 2014, 522, 2756-2766.	1.6	39
140	Adult neurogenesis: bridging the gap between mice and humans. Trends in Cell Biology, 2014, 24, 558-563.	7.9	117
141	Mobile DNA elements in the generation of diversity and complexity in the brain. Nature Reviews Neuroscience, 2014, 15, 497-506.	10.2	230
142	Regulation and Function of Adult Neurogenesis: From Genes to Cognition. Physiological Reviews, 2014, 94, 991-1026.	28.8	516
143	A Quantitative Framework to Evaluate Modeling of Cortical Development by Neural Stem Cells. Neuron, 2014, 83, 69-86.	8.1	184
144	SnapShot: Adult Hippocampal Neurogenesis. Cell, 2014, 156, 1114-1114.e1.	28.9	45

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145	Novel Tools, Classic Techniques: Evolutionary Studies Using Primate Pluripotent Stem Cells. Biological Psychiatry, 2014, 75, 929-935.	1.3	17
146	Human-induced pluripotent stem cells pave the road for a better understanding of motor neuron disease. Human Molecular Genetics, 2014, 23, R27-R34.	2.9	21
147	How to make a hippocampal dentate gyrus granule neuron. Development (Cambridge), 2014, 141, 2366-2375.	2.5	74
148	Differential L1 regulation in pluripotent stem cells of humans and apes. Nature, 2013, 503, 525-529.	27.8	220
149	Mosaic Copy Number Variation in Human Neurons. Science, 2013, 342, 632-637.	12.6	488
150	The Role of Transposable Elements in Health and Diseases of the Central Nervous System. Journal of Neuroscience, 2013, 33, 17577-17586.	3.6	155
151	Neural Stem Cells: Generating and Regenerating the Brain. Neuron, 2013, 80, 588-601.	8.1	479
152	RNA-sequencing from single nuclei. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 19802-19807.	7.1	321
153	Paired Related Homeobox Protein 1 is a Regulator of Stemness in Adult Neural Stem/Progenitor Cells. Journal of Neuroscience, 2013, 33, 4066-4075.	3.6	60
154	Selection of distinct populations of dentate granule cells in response to inputs as a mechanism for pattern separation in mice. ELife, 2013, 2, e00312.	6.0	140
155	Neuronal Genomic and Epigenetic Diversity. , 2013, , 281-298.		0
156	Gene Expression Profiling of Neural Stem Cells and Their Neuronal Progeny Reveals IGF2 as a Regulator of Adult Hippocampal Neurogenesis. Journal of Neuroscience, 2012, 32, 3376-3387.	3.6	173
157	Induced pluripotent stem cells: the new patient?. Nature Reviews Molecular Cell Biology, 2012, 13, 713-726.	37.0	377
158	What Makes Each Brain Unique. Scientific American, 2012, 306, 26-31.	1.0	26
159	SRY-box-containing Gene 2 Regulation of Nuclear Receptor Tailless (Tlx) Transcription in Adult Neural Stem Cells. Journal of Biological Chemistry, 2012, 287, 5969-5978.	3.4	52
160	Transplantation in the future. Progress in Brain Research, 2012, 200, 7-13.	1.4	7
161	Monosynaptic inputs to new neurons in the dentate gyrus. Nature Communications, 2012, 3, 1107.	12.8	244
162	Transplantation in the future. Progress in Brain Research, 2012, 201, 7-13.	1.4	4

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163	Enhanced Functional Recovery in MRL/MpJ Mice after Spinal Cord Dorsal Hemisection. PLoS ONE, 2012, 7, e30904.	2.5	36
164	Probing sporadic and familial Alzheimerâ€™s disease using induced pluripotent stem cells. Nature, 2012, 482, 216-220.	27.8	1,069
165	Electroconvulsive seizure promotes spine maturation in newborn dentate granule cells in adult rat. Developmental Neurobiology, 2012, 72, 937-942.	3.0	40
166	Neural stem cells: mechanisms and modeling. Protein and Cell, 2012, 3, 251-261.	11.0	44
167	Concise Review: The Promise of Human Induced Pluripotent Stem Cell-Based Studies of Schizophrenia. Stem Cells, 2011, 29, 1915-1922.	3.2	73
168	PI3K mediated electrotaxis of embryonic and adult neural progenitor cells in the presence of growth factors. Experimental Neurology, 2011, 227, 210-217.	4.1	104
169	Neurodegenerative disease and adult neurogenesis. European Journal of Neuroscience, 2011, 33, 1139-1151.	2.6	352
170	Modelling schizophrenia using human induced pluripotent stem cells. Nature, 2011, 473, 221-225.	27.8	1,206
171	Ataxia telangiectasia mutated (ATM) modulates long interspersed element-1 (L1) retrotransposition in human neural stem cells. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 20382-20387.	7.1	217
172	Adult hippocampal neurogenesis and its role in Alzheimer's disease. Molecular Neurodegeneration, 2011, 6, 85.	10.8	820
173	Induced pluripotent stem cells (iPSCs) and neurological disease modeling: progress and promises. Human Molecular Genetics, 2011, 20, R109-R115.	2.9	165
174	Dopaminergic Modulation of Cortical Inputs during Maturation of Adult-Born Dentate Granule Cells. Journal of Neuroscience, 2011, 31, 4113-4123.	3.6	66
175	Cell-Surface Marker Signatures for the Isolation of Neural Stem Cells, Glia and Neurons Derived from Human Pluripotent Stem Cells. PLoS ONE, 2011, 6, e17540.	2.5	317
176	Signaling in adult neurogenesis. Current Opinion in Neurobiology, 2010, 20, 416-423.	4.2	191
177	A Distinctive layering pattern of mouse dentate granule cells is generated by developmental and adult neurogenesis. Journal of Comparative Neurology, 2010, 518, 4479-4490.	1.6	103
178	A Distinctive layering pattern of mouse dentate granule cells is generated by developmental and adult neurogenesis. Journal of Comparative Neurology, 2010, 518, spc1-spc1.	1.6	1
179	New neurons and new memories: how does adult hippocampal neurogenesis affect learning and memory?. Nature Reviews Neuroscience, 2010, 11, 339-350.	10.2	1,766
180	L1 retrotransposition in neurons is modulated by MeCP2. Nature, 2010, 468, 443-446.	27.8	572

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181	Orphan nuclear receptor TLX activates Wnt/Î²-catenin signalling to stimulate neural stem cell proliferation and self-renewal. Nature Cell Biology, 2010, 12, 31-40.	10.3	273
182	Epigenetic choreographers of neurogenesis in the adult mammalian brain. Nature Neuroscience, 2010, 13, 1338-1344.	14.8	302
183	Pluripotent stem cells in neurodegenerative and neurodevelopmental diseases. Human Molecular Genetics, 2010, 19, R71-R76.	2.9	127
184	Spatial learning sculpts the dendritic arbor of adult-born hippocampal neurons. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 7963-7968.	7.1	184
185	Mechanisms Underlying Inflammation in Neurodegeneration. Cell, 2010, 140, 918-934.	28.9	2,860
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