

Christine M Gall

List of Publications by Year in descending order

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180
papers

17,442
citations

10986
71
h-index

15266
126
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182
all docs

182
docs citations

182
times ranked

13745
citing authors

#	ARTICLE	IF	CITATIONS
1	Distribution of Brain-Derived Neurotrophic Factor (BDNF) Protein and mRNA in the Normal Adult Rat CNS: Evidence for Anterograde Axonal Transport. <i>Journal of Neuroscience</i> , 1997, 17, 2295-2313.	3.6	985
2	A phase 1 clinical trial of nerve growth factor gene therapy for Alzheimer disease. <i>Nature Medicine</i> , 2005, 11, 551-555.	30.7	979
3	BDNF mRNA expression is increased in adult rat forebrain after limbic seizures: Temporal patterns of induction distinct from NGF. <i>Neuron</i> , 1991, 6, 937-948.	8.1	676
4	At the interface of sensory and motor dysfunctions and Alzheimer's disease. <i>Alzheimer's and Dementia</i> , 2015, 11, 70-98.	0.8	420
5	BDNF and epilepsy: too much of a good thing?. <i>Trends in Neurosciences</i> , 2001, 24, 47-53.	8.6	401
6	Hippocampal Dysfunction and Cognitive Impairments Provoked by Chronic Early-Life Stress Involve Excessive Activation of CRH Receptors. <i>Journal of Neuroscience</i> , 2010, 30, 13005-13015.	3.6	348
7	Localization of enkephalin-like immunoreactivity to identified axonal and neuronal populations of the rat hippocampus. <i>Journal of Comparative Neurology</i> , 1981, 198, 335-350.	1.6	347
8	BDNF Protein Measured by a Novel Enzyme Immunoassay in Normal Brain and after Seizure: Partial Disagreement with mRNA Levels. <i>European Journal of Neuroscience</i> , 1995, 7, 1527-1535.	2.6	312
9	Brain-Derived Neurotrophic Factor Promotes Long-Term Potentiation-Related Cytoskeletal Changes in Adult Hippocampus. <i>Journal of Neuroscience</i> , 2007, 27, 3017-3029.	3.6	291
10	Dopaminergic neurons in rat ventral midbrain express brain-derived neurotrophic factor and neurotrophin-3 mRNAs. <i>Journal of Comparative Neurology</i> , 1994, 342, 321-334.	1.6	283
11	Kainic acid-induced seizures stimulate increased expression of nerve growth factor mRNA in rat hippocampus. <i>Molecular Brain Research</i> , 1991, 9, 113-123.	2.3	273
12	Positive Modulation of AMPA Receptors Increases Neurotrophin Expression by Hippocampal and Cortical Neurons. <i>Journal of Neuroscience</i> , 2000, 20, 8-21.	3.6	262
13	Different Rho GTPase-dependent signaling pathways initiate sequential steps in the consolidation of long-term potentiation. <i>Journal of Cell Biology</i> , 2009, 186, 85-97.	5.2	255
14	Changes in Synaptic Morphology Accompany Actin Signaling during LTP. <i>Journal of Neuroscience</i> , 2007, 27, 5363-5372.	3.6	252
15	Distribution of neuropeptide S receptor mRNA and neurochemical characteristics of neuropeptide S-expressing neurons in the rat brain. <i>Journal of Comparative Neurology</i> , 2007, 500, 84-102.	1.6	250
16	Up-regulating BDNF with an ampakine rescues synaptic plasticity and memory in Huntington's disease knockin mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 4906-4911.	7.1	233
17	Integrin Subunit Gene Expression Is Regionally Differentiated in Adult Brain. <i>Journal of Neuroscience</i> , 1999, 19, 1541-1556.	3.6	229
18	Cytoskeletal Changes Underlie Estrogen's Acute Effects on Synaptic Transmission and Plasticity. <i>Journal of Neuroscience</i> , 2009, 29, 12982-12993.	3.6	229

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19	Correlated memory defects and hippocampal dendritic spine loss after acute stress involve corticotropin-releasing hormone signaling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 13123-13128.	7.1	226
20	Brain-Derived Neurotrophic Factor Rescues Synaptic Plasticity in a Mouse Model of Fragile X Syndrome. <i>Journal of Neuroscience</i> , 2007, 27, 10685-10694.	3.6	221
21	Integrin-driven actin polymerization consolidates long-term potentiation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 5579-5584.	7.1	199
22	Evidence for coexistence of GABA and dopamine in neurons of the rat olfactory bulb. <i>Journal of Comparative Neurology</i> , 1987, 266, 307-318.	1.6	197
23	Proliferative and migratory activity of glial cells in the partially deafferented hippocampus. <i>Journal of Comparative Neurology</i> , 1979, 183, 539-549.	1.6	192
24	Myosin IIb Regulates Actin Dynamics during Synaptic Plasticity and Memory Formation. <i>Neuron</i> , 2010, 67, 603-617.	8.1	192
25	Changes in the distribution of the dentate gyrus associational system following unilateral or bilateral entorhinal lesions in the adult rat. <i>Brain Research</i> , 1976, 110, 57-71.	2.2	177
26	Differential Effects of Protein Synthesis Inhibition on the Activity-Dependent Expression of BDNF Transcripts: Evidence for Immediate-Early Gene Responses from Specific Promoters. <i>Journal of Neuroscience</i> , 1996, 16, 7428-7436.	3.6	177
27	Brain-Derived Neurotrophic Factor Restores Synaptic Plasticity in a Knock-In Mouse Model of Huntington's Disease. <i>Journal of Neuroscience</i> , 2007, 27, 4424-4434.	3.6	172
28	LTP consolidation: Substrates, explanatory power, and functional significance. <i>Neuropharmacology</i> , 2007, 52, 12-23.	4.1	172
29	Theta Stimulation Polymerizes Actin in Dendritic Spines of Hippocampus. <i>Journal of Neuroscience</i> , 2005, 25, 2062-2069.	3.6	164
30	Endocannabinoid signaling mediates oxytocin-driven social reward. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 14084-14089.	7.1	163
31	Distribution of enkephalin, substance P, tyrosine hydroxylase, and 5-hydroxytryptamine immunoreactivity in the septal region of the rat. <i>Journal of Comparative Neurology</i> , 1984, 225, 212-227.	1.6	156
32	Ampakines and the threefold path to cognitive enhancement. <i>Trends in Neurosciences</i> , 2006, 29, 554-562.	8.6	155
33	A Novel Mechanism for the Facilitation of Theta-Induced Long-Term Potentiation by Brain-Derived Neurotrophic Factor. <i>Journal of Neuroscience</i> , 2004, 24, 5151-5161.	3.6	154
34	Prenatal ontogeny of the epidermal growth factor receptor and its ligand, transforming growth factor alpha, in the rat brain. , 1997, 380, 243-261.		148
35	Chapter 27 Chapter Seizures, neuropeptide regulation, and mRNA expression in the hippocampus. <i>Progress in Brain Research</i> , 1990, 83, 371-390.	1.4	145
36	Restoration of Long-Term Potentiation in Middle-Aged Hippocampus After Induction of Brain-Derived Neurotrophic Factor. <i>Journal of Neurophysiology</i> , 2006, 96, 677-685.	1.8	143

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37	Evidence That Long-Term Potentiation Occurs within Individual Hippocampal Synapses during Learning. <i>Journal of Neuroscience</i> , 2007, 27, 8031-8039.	3.6	134
38	Synaptic evidence for the efficacy of spaced learning. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 5121-5126.	7.1	134
39	Chronic Elevation of Brain-Derived Neurotrophic Factor by Ampakines. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2003, 307, 297-305.	2.5	126
40	Insulin-like growth factor-1 mRNA is increased in deafferented hippocampus: Spatiotemporal correspondence of a trophic event with axon sprouting. <i>Journal of Comparative Neurology</i> , 1995, 352, 147-160.	1.6	125
41	Long-Term Potentiation Is Impaired in Middle-Aged Rats: Regional Specificity and Reversal by Adenosine Receptor Antagonists. <i>Journal of Neuroscience</i> , 2005, 25, 5956-5966.	3.6	124
42	Physiological Activation of Synaptic Rac>PAK (p-21 Activated Kinase) Signaling Is Defective in a Mouse Model of Fragile X Syndrome. <i>Journal of Neuroscience</i> , 2010, 30, 10977-10984.	3.6	124
43	Brain-derived neurotrophic factor and neurotrophin-3 mRNAs are expressed in ventral midbrain regions containing dopaminergic neurons. <i>Molecular and Cellular Neurosciences</i> , 1992, 3, 56-63.	2.2	121
44	Proliferative zones of postnatal rat brain express epidermal growth factor receptor mRNA. <i>Brain Research</i> , 1995, 670, 157-164.	2.2	119
45	Horseradish peroxidase histochemistry: A new method for tracing efferent projections in the central nervous system. <i>Brain Research</i> , 1974, 65, 373-380.	2.2	113
46	Formation of heteromeric hyperpolarization-activated cyclic nucleotide-gated (HCN) channels in the hippocampus is regulated by developmental seizures. <i>Neurobiology of Disease</i> , 2005, 19, 200-207.	4.4	113
47	Seizures increase basic fibroblast growth factor mRNA in adult rat forebrain neurons and glia. <i>Molecular Brain Research</i> , 1994, 21, 190-205.	2.3	112
48	The ultrastructural localization of calcium-activated protease ?calpain? in rat brain. <i>Synapse</i> , 1988, 2, 79-88.	1.2	111
49	The likelihood of cognitive enhancement. <i>Pharmacology Biochemistry and Behavior</i> , 2011, 99, 116-129.	2.9	108
50	Integrin signaling cascades are operational in adult hippocampal synapses and modulate NMDA receptor physiology. <i>Journal of Neurochemistry</i> , 2005, 93, 834-849.	3.9	105
51	Co-localization of enkephalin and cholecystokinin in discrete areas of rat brain. <i>Brain Research</i> , 1987, 403, 403-408.	2.2	103
52	Presynaptic BDNF Promotes Postsynaptic Long-Term Potentiation in the Dorsal Striatum. <i>Journal of Neuroscience</i> , 2010, 30, 14440-14445.	3.6	101
53	Distribution of VIP- and NPY-like immunoreactivities in rat main olfactory bulb. <i>Brain Research</i> , 1986, 374, 389-394.	2.2	99
54	In situ hybridization localization of choline acetyltransferase mRNA in adult rat brain and spinal cord. <i>Molecular Brain Research</i> , 1993, 17, 59-69.	2.3	95

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55	Distribution of cholecystokinin-like immunoreactivity in the rat main olfactory bulb. <i>Journal of Comparative Neurology</i> , 1985, 239, 373-383.	1.6	93
56	Functional Mapping of Odor-activated Neurons in the Olfactory Bulb. <i>Chemical Senses</i> , 1995, 20, 271-282.	2.0	93
57	The substrates of memory: Defects, treatments, and enhancement. <i>European Journal of Pharmacology</i> , 2008, 585, 2-13.	3.5	93
58	Distribution of calpain I, an enzyme associated with degenerative activity, in rat brain. <i>Brain Research</i> , 1985, 347, 399-403.	2.2	92
59	Integrins Regulate NMDA Receptor-Mediated Synaptic Currents. <i>Journal of Neurophysiology</i> , 2003, 89, 2874-2878.	1.8	92
60	Differential expression of mRNAs for the NGF family of neurotrophic factors in the adult rat central olfactory system. <i>Journal of Comparative Neurology</i> , 1991, 313, 95-102.	1.6	89
61	Synaptic plasticity in early aging. <i>Ageing Research Reviews</i> , 2006, 5, 255-280.	10.9	87
62	Stable maintenance of glutamate receptors and other synaptic components in long-term hippocampal slices. <i>Hippocampus</i> , 1995, 5, 425-439.	1.9	86
63	Memory-Related Synaptic Plasticity Is Sexually Dimorphic in Rodent Hippocampus. <i>Journal of Neuroscience</i> , 2018, 38, 7935-7951.	3.6	86
64	Ampakines promote spine actin polymerization, long-term potentiation, and learning in a mouse model of Angelman syndrome. <i>Neurobiology of Disease</i> , 2012, 47, 210-215.	4.4	85
65	Nerve growth factor mRNA-containing cells are distributed within regions of cholinergic neurons in the rat basal forebrain. <i>Journal of Comparative Neurology</i> , 1991, 306, 439-446.	1.6	83
66	Cellular Localization of Transforming Growth Factor- β mRNA in Rat Forebrain. <i>Journal of Neurochemistry</i> , 1993, 60, 1777-1782.	3.9	82
67	Enhancement of Anandamide-Mediated Endocannabinoid Signaling Corrects Autism-Related Social Impairment. <i>Cannabis and Cannabinoid Research</i> , 2016, 1, 81-89.	2.9	81
68	Mapping Brain Networks Engaged by, and Changed by, Learning. <i>Neurobiology of Learning and Memory</i> , 1998, 70, 14-36.	1.9	80
69	Integrin Dynamics Produce a Delayed Stage of Long-Term Potentiation and Memory Consolidation. <i>Journal of Neuroscience</i> , 2012, 32, 12854-12861.	3.6	80
70	Cellular Localization of NGF and NT-3 mRNAs in Postnatal Rat Forebrain. <i>Molecular and Cellular Neurosciences</i> , 1994, 5, 46-62.	2.2	78
71	Induction of F1/GAP-43 gene: expression in hippocampal granule cells after seizures. <i>Molecular Brain Research</i> , 1993, 17, 295-299.	2.3	77
72	Distribution of calcium-activated protease calpain in the rat brain. <i>Journal of Comparative Neurology</i> , 1990, 296, 269-276.	1.6	76

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73	Polarized distribution of $\alpha 5$ integrin in dendrites of hippocampal and cortical neurons. Journal of Comparative Neurology, 2001, 435, 184-193.	1.6	75
74	Regulation of brain neurotrophin expression by physiological activity. Trends in Pharmacological Sciences, 1992, 13, 401-403.	8.7	74
75	Evidence of Mitochondrial Dysfunction within the Complex Genetic Etiology of Schizophrenia. Molecular Neuropsychiatry, 2015, 1, 201-219.	2.9	74
76	Increased excitatory to inhibitory synaptic ratio in parietal cortex samples from individuals with Alzheimer's disease. Nature Communications, 2021, 12, 2603.	12.8	72
77	NMDA Receptor Activation and Calpain Contribute to Disruption of Dendritic Spines by the Stress Neuropeptide CRH. Journal of Neuroscience, 2013, 33, 16945-16960.	3.6	71
78	A Primary Cortical Input to Hippocampus Expresses a Pathway-Specific and Endocannabinoid-Dependent Form of Long-Term Potentiation. ENeuro, 2016, 3, ENEURO.0160-16.2016.	1.9	65
79	Localization and seizure-regulation of integrin $\alpha 21$ mRNA in adult rat brain. Molecular Brain Research, 1998, 55, 265-276.	2.3	64
80	Nerve growth factor mRNA is expressed by GABAergic neurons in rat hippocampus. NeuroReport, 1993, 5, 273-276.	1.2	63
81	Integrins Modulate Fast Excitatory Transmission at Hippocampal Synapses. Journal of Biological Chemistry, 2003, 278, 10722-10730.	3.4	63
82	Distribution and Initiation of Seizure Activity in a Rat Brain with Subcortical Band Heterotopia. Epilepsia, 2000, 41, 493-501.	5.1	62
83	Supramammillary afferents to guinea pig hippocampus contain substance P-like immunoreactivity. Neuroscience Letters, 1984, 51, 171-176.	2.1	61
84	Differences between synaptic plasticity thresholds result in new timing rules for maximizing long-term potentiation. Neuropharmacology, 2013, 64, 27-36.	4.1	61
85	Long-Term Memory Deficits are Associated with Elevated Synaptic ERK1/2 Activation and Reversed by mGluR5 Antagonism in an Animal Model of Autism. Neuropsychopharmacology, 2014, 39, 1664-1673.	5.4	61
86	Astroglial ciliary neurotrophic factor mRNA expression is increased in fields of axonal sprouting in deafferented hippocampus. Journal of Comparative Neurology, 1997, 386, 137-148.	1.6	60
87	Translational suppression of calpain I reduces NMDA-induced spectrin proteolysis and pathophysiology in cultured hippocampal slices. Brain Research, 1995, 694, 147-157.	2.2	59
88	Brief amphetamine treatments slow the progression of Huntington's disease phenotypes in R6/2 mice. Neurobiology of Disease, 2011, 41, 436-444.	4.4	57
89	LTP Induction Translocates Cortactin at Distant Synapses in Wild-Type But Not <i>Fmr1</i> Knock-Out Mice. Journal of Neuroscience, 2012, 32, 7403-7413.	3.6	56
90	Induction of brain derived neurotrophic factor mRNA by seizures in neonatal and juvenile rat brain. Molecular Brain Research, 1997, 44, 219-228.	2.3	55

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91	Anterograde Transport of Neurotrophin Proteins in the CNS - A Reassessment of the Neurotrophic Hypothesis. Reviews in the Neurosciences, 1998, 9, 91-103.	2.9	55
92	BDNF upregulation rescues synaptic plasticity in middle-aged ovariectomized rats. Neurobiology of Aging, 2012, 33, 708-719.	3.1	54
93	In situ hybridization for c-fos mRNA reveals the involvement of the superior colliculus in the propagation of seizure activity in genetically epilepsy-prone rats. Epilepsy Research, 1997, 26, 397-406.	1.6	53
94	Learning induces neurotrophin signaling at hippocampal synapses. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 7030-7035.	7.1	53
95	Glucocorticoid Receptors are Localized to Dendritic Spines and Influence Local Actin Signaling. Molecular Neurobiology, 2012, 46, 304-315.	4.0	52
96	Chronic Ampakine Treatments Stimulate Dendritic Growth and Promote Learning in Middle-Aged Rats. Journal of Neuroscience, 2016, 36, 1636-1646.	3.6	52
97	Seizure-Induced Increases in NGF mRNA Exhibit Different Time Courses across Forebrain Regions and Are Biphasic in Hippocampus. Experimental Neurology, 1994, 125, 22-40.	4.1	51
98	The effect of collateral sprouting on the density of innervation of normal target sites: implications for theories on the regulation of the size of developing synaptic domains. Brain Research, 1979, 175, 37-47.	2.2	50
99	Atypical Endocannabinoid Signaling Initiates a New Form of Memory-Related Plasticity at a Cortical Input to Hippocampus. Cerebral Cortex, 2018, 28, 2253-2266.	2.9	50
100	Rapid axon sprouting in the neonatal rat hippocampus. Brain Research, 1978, 153, 357-362.	2.2	49
101	The inferior colliculus of GEPRs contains greater numbers of cells that express glutamate decarboxylase (GAD67) mRNA. Epilepsy Research, 1993, 14, 105-113.	1.6	49
102	Spaced training rescues memory and ERK1/2 signaling in fragile X syndrome model mice. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 16907-16912.	7.1	49
103	Integrins, Synaptic Plasticity and Epileptogenesis. Advances in Experimental Medicine and Biology, 2004, 548, 12-33.	1.6	49
104	The distribution of cholecystokinin-like immunoreactivity in the hippocampal formation of the guinea pig: Localization in the mossy fibers. Brain Research, 1984, 306, 73-83.	2.2	48
105	Stoichiometries of AMPA receptor subunit mRNAs in rat brain fall into discrete categories. , 1997, 385, 491-502.		47
106	Fiber architecture of the dentate gyrus following ablation of the entorhinal cortex in rats of different ages: Evidence for two forms of axon sprouting in the immature brain. Neuroscience, 1981, 6, 903-910.	2.3	46
107	Relative concentrations and seizure-induced changes in mRNAs encoding three AMPA receptor subunits in hippocampus and cortex. Journal of Comparative Neurology, 1996, 365, 541-555.	1.6	46
108	The biochemistry of memory: The 26year journey of a "new and specific hypothesis"™. Neurobiology of Learning and Memory, 2011, 95, 125-133.	1.9	45

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109	Converging, Synergistic Actions of Multiple Stress Hormones Mediate Enduring Memory Impairments after Acute Simultaneous Stresses. <i>Journal of Neuroscience</i> , 2016, 36, 11295-11307.	3.6	45
110	Accelerated rates of synaptogenesis by "sprouting" afferents in the immature hippocampal formation. <i>Journal of Comparative Neurology</i> , 1980, 193, 1047-1061.	1.6	44
111	Cerebral hemidecortication alters expression of transforming growth factor alpha mRNA in the neostriatum of developing rats. <i>Molecular Brain Research</i> , 1994, 21, 107-114.	2.3	44
112	Seizure induced synthesis of fibronectin is rapid and age dependent: implications for long-term potentiation and sprouting. <i>Brain Research</i> , 1998, 812, 209-215.	2.2	44
113	Subpopulations of striatal interneurons can be distinguished on the basis of neurotrophic factor expression. <i>Journal of Comparative Neurology</i> , 1999, 408, 283-298.	1.6	43
114	NGF mRNA is expressed by GABAergic but not cholinergic neurons in rat basal forebrain. <i>Journal of Comparative Neurology</i> , 1995, 360, 454-462.	1.6	42
115	Interleukin-1 β increases basic fibroblast growth factor mRNA expression in adult rat brain and organotypic hippocampal cultures. <i>Molecular Brain Research</i> , 1994, 27, 12-26.	2.3	41
116	Expression of EGF receptor mRNA in rat nigrostriatal system. <i>NeuroReport</i> , 1994, 6, 105-108.	1.2	41
117	Pharmacological enhancement of memory or cognition in normal subjects. <i>Frontiers in Systems Neuroscience</i> , 2014, 8, 90.	2.5	41
118	Ultrastructural plasticity of the dentate gyrus granule cells following recurrent limbic seizures: I. Increase in somatic spines. <i>Hippocampus</i> , 1994, 4, 601-610.	1.9	37
119	Odors regulate Arc expression in neuronal ensembles engaged in odor processing. <i>NeuroReport</i> , 2000, 11, 1809-1813.	1.2	37
120	Synaptic Abnormalities in the Infralimbic Cortex of a Model of Congenital Depression. <i>Journal of Neuroscience</i> , 2013, 33, 13441-13448.	3.6	35
121	Integrins regulate neuronal neurotrophin gene expression through effects on voltage-sensitive calcium channels. <i>Neuroscience</i> , 2003, 118, 925-940.	2.3	34
122	AMPA receptor stimulation increases $\alpha 5\beta 1$ integrin surface expression, adhesive function and signaling. <i>Journal of Neurochemistry</i> , 2005, 94, 531-546.	3.9	34
123	Labeling of central nervous system neurons with extracellular recording microelectrodes. <i>Brain Research</i> , 1974, 66, 337-341.	2.2	33
124	Transcript-specific effects of adrenalectomy on seizure-induced BDNF expression in rat hippocampus. <i>Molecular Brain Research</i> , 1998, 55, 81-91.	2.3	32
125	Septal Modulation of Excitatory Transmission in Hippocampus. <i>Journal of Neurophysiology</i> , 2003, 90, 2358-2366.	1.8	32
126	Treating a novel plasticity defect rescues episodic memory in Fragile X model mice. <i>Molecular Psychiatry</i> , 2018, 23, 1798-1806.	7.9	32

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127	Anatomic mapping of neuronal odor responses in the developing rat olfactory bulb. <i>Journal of Comparative Neurology</i> , 2003, 455, 56-71.	1.6	31
128	BDNF Signaling during Learning Is Regionally Differentiated within Hippocampus. <i>Journal of Neuroscience</i> , 2010, 30, 15097-15101.	3.6	31
129	Synaptic actin stabilization protein loss in Down syndrome and Alzheimer disease. <i>Brain Pathology</i> , 2020, 30, 319-331.	4.1	31
130	Expression of agrin mRNA is altered following seizures in adult rat brain. <i>Molecular Brain Research</i> , 1995, 33, 277-287.	2.3	28
131	Mechanism based approaches for rescuing and enhancing cognition. <i>Frontiers in Neuroscience</i> , 2013, 7, 143.	2.8	28
132	Long-Term Experience of Chemoradiotherapy Combined with Deep Regional Hyperthermia for Organ Preservation in High-Risk Bladder Cancer (Ta, Tis, T1, T2). <i>Oncologist</i> , 2019, 24, e1341-e1350.	3.7	28
133	Environmental Enrichment Reveals Effects of Genotype on Hippocampal Spine Morphologies in the Mouse Model of Fragile X Syndrome. <i>Cerebral Cortex</i> , 2015, 25, 516-527.	2.9	26
134	Estrogen's Effects on Excitatory Synaptic Transmission Entail Integrin and TrkB Transactivation and Depend Upon β 1-integrin function. <i>Neuropsychopharmacology</i> , 2016, 41, 2723-2732.	5.4	26
135	Unexpected Role of Physiological Estrogen in Acute Stress-Induced Memory Deficits. <i>Journal of Neuroscience</i> , 2021, 41, 648-662.	3.6	26
136	Prolonged Positive Modulation of \pm -Amino-3-hydroxy-5-methyl-4-isoxazolepropionic Acid (AMPA) Receptors Induces Calpain-Mediated PSD-95/Dlg/ZO-1 Protein Degradation and AMPA Receptor Down-Regulation in Cultured Hippocampal Slices. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2005, 314, 16-26.	2.5	25
137	Protein synthesis and consolidation of memory-related synaptic changes. <i>Brain Research</i> , 2015, 1621, 62-72.	2.2	25
138	Developmental Expression of Neurotrophins and Their Receptors in Postnatal Rat Ventral Midbrain. <i>Journal of Molecular Neuroscience</i> , 2005, 27, 245-260.	2.3	24
139	Pronounced differences in signal processing and synaptic plasticity between piriform-hippocampal network stages: a prominent role for adenosine. <i>Journal of Physiology</i> , 2015, 593, 2889-2907.	2.9	24
140	Residual homing of β 27-expressing β 1 ^{hi} PI16 ^{hi} regulatory T cells with potent suppressive activity correlates with exposure-efficacy of vedolizumab. <i>Gut</i> , 2022, 71, 1551-1566.	12.1	24
141	Prepubescent female rodents have enhanced hippocampal LTP and learning relative to males, reversing in adulthood as inhibition increases. <i>Nature Neuroscience</i> , 2022, 25, 180-190.	14.8	24
142	Ontogeny of dynorphin-like immunoreactivity in the hippocampal formation of the rat. <i>Brain Research</i> , 1984, 307, 327-331.	2.2	23
143	Hippocampal epileptogenesis produced by electrolytic iron deposition in the rat dentate gyrus. <i>Epilepsy Research</i> , 1994, 19, 27-36.	1.6	23
144	Attenuation of the seizure-induced expression of BDNF mRNA in adult rat brain by an inhibitor of calcium/calmodulin-dependent protein kinases. <i>European Journal of Neuroscience</i> , 1998, 10, 377-387.	2.6	23

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145	Changes in Activating Protein 1 (AP-1) Composition Correspond with the Biphasic Profile of Nerve Growth Factor mRNA Expression in Rat Hippocampus after Hilus Lesion-Induced Seizures. <i>Journal of Neuroscience</i> , 2000, 20, 2142-2149.	3.6	23
146	Rapid Aging in the Perforant Path Projections to the Rodent Dentate Gyrus. <i>Journal of Neuroscience</i> , 2021, 41, 2301-2312.	3.6	23
147	Regional distribution of mRNA for a putative kainate receptor in rat brain. <i>European Journal of Pharmacology</i> , 1990, 189, 217-221.	2.6	22
148	Sex differences in synaptic plasticity underlying learning. <i>Journal of Neuroscience Research</i> , 2023, 101, 764-782.	2.9	22
149	Estrogen's Place in the Family of Synaptic Modulators. <i>Molecular and Cellular Pharmacology</i> , 2009, 1, 258-262.	1.7	21
150	Neuroplasticity in the Hippocampal Formation. <i>Progress in Brain Research</i> , 1978, 48, 113-130.	1.4	20
151	Induction of ornithine decarboxylase by subseizure stimulation in the hippocampus in vivo. <i>Molecular Brain Research</i> , 1990, 7, 167-169.	2.3	20
152	Ultrastructural plasticity of the dentate gyrus granule cells following recurrent limbic seizures: II. Alterations in somatic synapses. <i>Hippocampus</i> , 1994, 4, 611-622.	1.9	20
153	Acidic fibroblast growth factor mRNA is expressed by basal forebrain and striatal cholinergic neurons. , 1996, 366, 379-389.		20
154	Endogenous protein kinase A inhibitor (PKI?) modulates synaptic activity. , 1998, 53, 269-278.		19
155	Comparison of the effects of an ampakine with those of methamphetamine on aggregate neuronal activity in cortex versus striatum. <i>Molecular Brain Research</i> , 1997, 46, 127-135.	2.3	18
156	Origins of an Intrinsic Hippocampal EEG Pattern. <i>PLoS ONE</i> , 2009, 4, e7761.	2.5	18
157	Limbic seizures increase cyclophilin mRNA levels in rat hippocampus. <i>Molecular Brain Research</i> , 1992, 14, 139-142.	2.3	16
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