

Brian Christie

List of Publications by Year in descending order

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160
papers

17,186
citations

32410

55
h-index

16186

128
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all docs

162
docs citations

162
times ranked

18376
citing authors

#	ARTICLE	IF	CITATIONS
1	Postnatal Choline Supplementation Rescues Deficits in Synaptic Plasticity Following Prenatal Ethanol Exposure. <i>Nutrients</i> , 2022, 14, 2004.	1.7	8
2	Heading in the Right Direction: A Critical Review of Studies Examining the Effects of Heading in Soccer Players. <i>Journal of Neurotrauma</i> , 2021, 38, 169-188.	1.7	7
3	Unlocking the brain: A new method for Western blot protein detection from fixed brain tissue. <i>Journal of Neuroscience Methods</i> , 2021, 348, 108995.	1.3	9
4	Acute Δ^9 -tetrahydrocannabinol prompts rapid changes in cannabinoid CB_1 receptor immunolabeling and subcellular structure in CA1 hippocampus of young adult male mice. <i>Journal of Comparative Neurology</i> , 2021, 529, 2332-2346.	0.9	14
5	AdipoRon Treatment Induces a Dose-Dependent Response in Adult Hippocampal Neurogenesis. <i>International Journal of Molecular Sciences</i> , 2021, 22, 2068.	1.8	11
6	Understanding Changes in Hippocampal Interneurons Subtypes in the Pathogenesis of Alzheimer's Disease: A Systematic Review. <i>Brain Connectivity</i> , 2021, 11, 159-179.	0.8	8
7	Chronic AdipoRon Treatment Mimics the Effects of Physical Exercise on Restoring Hippocampal Neuroplasticity in Diabetic Mice. <i>Molecular Neurobiology</i> , 2021, 58, 4666-4681.	1.9	16
8	Exercise hormone irisin is a critical regulator of cognitive function. <i>Nature Metabolism</i> , 2021, 3, 1058-1070.	5.1	134
9	Effects of prenatal ethanol exposure on choline-induced long-term depression in the hippocampus. <i>Journal of Neurophysiology</i> , 2021, 126, 1622-1634.	0.9	4
10	Prenatal alcohol and cannabis exposure can have opposing and region-specific effects on parvalbumin interneuron numbers in the hippocampus. <i>Alcoholism: Clinical and Experimental Research</i> , 2021, 45, 2246-2255.	1.4	7
11	Intermittent ethanol exposure during adolescence impairs cannabinoid type 1 receptor-dependent long-term depression and recognition memory in adult mice. <i>Neuropsychopharmacology</i> , 2020, 45, 309-318.	2.8	25
12	Does Mild Traumatic Brain Injury Increase the Risk for Dementia? A Systematic Review and Meta-Analysis. <i>Journal of Alzheimer's Disease</i> , 2020, 78, 757-775.	1.2	20
13	Effects of Ethanol on Synaptic Plasticity and NMDA Currents in the Juvenile Rat Dentate Gyrus. <i>Brain Plasticity</i> , 2020, 6, 123-136.	1.9	1
14	Interplay between hormones and exercise on hippocampal plasticity across the lifespan. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2020, 1866, 165821.	1.8	10
15	An Engineered Infected Epidermis Model for In Vitro Study of the Skin's Pro-Inflammatory Response. <i>Micromachines</i> , 2020, 11, 227.	1.4	16
16	Multiple Object Tracking Scores Predict Post-Concussion Status Years after Mild Traumatic Brain Injury. <i>Journal of Neurotrauma</i> , 2020, 37, 1777-1787.	1.7	8
17	Could Neurotracker be used as a clinical marker of recovery following pediatric mild traumatic brain injury? An exploratory study. <i>Brain Injury</i> , 2020, 34, 385-389.	0.6	8
18	A Systematic Review of the Effects of Perinatal Alcohol Exposure and Perinatal Marijuana Exposure on Adult Neurogenesis in the Dentate Gyrus. <i>Alcoholism: Clinical and Experimental Research</i> , 2020, 44, 1164-1174.	1.4	11

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19	Hippocampal cognitive impairment in juvenile rats after repeated mild traumatic brain injury. Behavioural Brain Research, 2020, 387, 112585.	1.2	6
20	Endocannabinoid receptors contribute significantly to multiple forms of long-term depression in the rat dentate gyrus. Learning and Memory, 2020, 27, 380-389.	0.5	4
21	Evidence for vascular microbleeds in brains following repeated mild traumatic brain injury. FASEB Journal, 2020, 34, 1-1.	0.2	0
22	Modulation of synaptic plasticity by exercise. International Review of Neurobiology, 2019, 147, 295-322.	0.9	35
23	Impaired Bidirectional Synaptic Plasticity in Juvenile Offspring Following Prenatal Ethanol Exposure. Alcoholism: Clinical and Experimental Research, 2019, 43, 2153-2166.	1.4	13
24	Acute slice preparation for electrophysiology increases spine numbers equivalently in the male and female juvenile hippocampus: a Dil labeling study. Journal of Neurophysiology, 2019, 122, 958-969.	0.9	12
25	A Rapid Neurological Assessment Protocol for Repeated Mild Traumatic Brain Injury in Awake Rats. Current Protocols in Neuroscience, 2019, 89, e80.	2.6	8
26	Endocannabinoid long-term depression revealed at medial perforant path excitatory synapses in the dentate gyrus. Neuropharmacology, 2019, 153, 32-40.	2.0	25
27	Mild Closed-Head Injury in Conscious Rats Causes Transient Neurobehavioral and Glial Disturbances: A Novel Experimental Model of Concussion. Journal of Neurotrauma, 2019, 36, 2260-2271.	1.7	25
28	A pilot study of diffusion tensor imaging metrics and cognitive performance pre and post repetitive, intentional sub-concussive heading in soccer practice. Journal of Concussion, 2019, 3, 205970021988550.	0.2	4
29	Fetal alcohol spectrum disorder (FASD) affects the hippocampal levels of histone variant H2A.Z-2. Biochemistry and Cell Biology, 2019, 97, 431-436.	0.9	10
30	Adolescent ethanol intake alters cannabinoid type 1 receptor localization in astrocytes of the adult mouse hippocampus. Addiction Biology, 2019, 24, 182-192.	1.4	20
31	Repeated mild traumatic brain injury in the juvenile brain: Investigations on synaptic plasticity in the hippocampus. FASEB Journal, 2019, 33, 448.5.	0.2	0
32	Comparison of hippocampal neuron spine densities in acute and perfusion-fixed slices using the lipophilic dye Dil. FASEB Journal, 2019, 33, 448.4.	0.2	0
33	Three-dimensional multiple object tracking in the pediatric population. NeuroReport, 2018, 29, 559-563.	0.6	18
34	Chronic minocycline treatment improves hippocampal neuronal structure, NMDA receptor function, and memory processing in Fmr1 knockout mice. Neurobiology of Disease, 2018, 113, 11-22.	2.1	21
35	Effects of Voluntary Exercise on Cell Proliferation and Neurogenesis in the Dentate Gyrus of Adult FMR1 Knockout Mice. Brain Plasticity, 2018, 4, 185-195.	1.9	15
36	Diffusion MRI abnormalities in adolescent rats given repeated mild traumatic brain injury. Annals of Clinical and Translational Neurology, 2018, 5, 1588-1598.	1.7	27

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37	Practical Considerations for InVivo Electrophysiology Along the Dorsoventral Hippocampal Axis. Handbook of Behavioral Neuroscience, 2018, , 85-93.	0.7	0
38	Impaired spatial processing in a mouse model of fragile X syndrome. Behavioural Brain Research, 2018, 350, 72-79.	1.2	2
39	The Canadian Pediatric Mild Traumatic Brain Injury Common Data Elements Project: Harmonizing Outcomes to Increase Understanding of Pediatric Concussion. Journal of Neurotrauma, 2018, 35, 1849-1857.	1.7	7
40	Repeated mild traumatic brain injury can cause acute neurologic impairment without overt structural damage in juvenile rats. PLoS ONE, 2018, 13, e0197187.	1.1	46
41	Fragile-X Syndrome Is Associated With NMDA Receptor Hypofunction and Reduced Dendritic Complexity in Mature Dentate Granule Cells. Frontiers in Molecular Neuroscience, 2018, 11, 495.	1.4	16
42	Revisiting the flip side: Long-term depression of synaptic efficacy in the hippocampus. Neuroscience and Biobehavioral Reviews, 2017, 80, 394-413.	2.9	47
43	Effects of Isx-9 and stress on adult hippocampal neurogenesis: Experimental considerations and future perspectives. Neurogenesis (Austin, Tex), 2017, 4, e1317692.	1.5	8
44	Traumatic brain injury: integrated approaches to improve prevention, clinical care, and research. Lancet Neurology, The, 2017, 16, 987-1048.	4.9	1,571
45	Mild Traumatic Brain Injury Produces Long-Lasting Deficits in Synaptic Plasticity in the Female Juvenile Hippocampus. Journal of Neurotrauma, 2017, 34, 1111-1123.	1.7	36
46	The Effects of Ethanol Exposure During Distinct Periods of Brain Development on Oxidative Stress in the Adult Rat Brain. Alcoholism: Clinical and Experimental Research, 2017, 41, 26-37.	1.4	35
47	The potential for animal models to provide insight into mild traumatic brain injury: Translational challenges and strategies. Neuroscience and Biobehavioral Reviews, 2017, 76, 396-414.	2.9	125
48	Physical Exercise. , 2016, , 75-107.		0
49	Potential Biomarkers for Physical Exercise-Induced Brain Health. , 2016, , .		4
50	Chronic corticosterone administration reduces dendritic complexity in mature, but not young granule cells in the rat dentate gyrus. Restorative Neurology and Neuroscience, 2016, 34, 849-857.	0.4	12
51	ISX-9 can potentiate cell proliferation and neuronal commitment in the rat dentate gyrus. Neuroscience, 2016, 332, 212-222.	1.1	15
52	Impaired bidirectional NMDA receptor dependent synaptic plasticity in the dentate gyrus of adult female Fmr1 heterozygous knockout mice. Neurobiology of Disease, 2016, 96, 261-270.	2.1	25
53	The antidepressant-like effect of chronic guanosine treatment is associated with increased hippocampal neuronal differentiation. European Journal of Neuroscience, 2016, 43, 1006-1015.	1.2	33
54	Chronic minocycline treatment improves social recognition memory in adult male Fmr1 knockout mice. Behavioural Brain Research, 2016, 312, 77-83.	1.2	11

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55	Hippocampal dysfunction and cognitive impairment in Fragile-X Syndrome. <i>Neuroscience and Biobehavioral Reviews</i> , 2016, 68, 563-574.	2.9	59
56	Prenatal ethanol exposure impairs temporal ordering behaviours in young adult rats. <i>Behavioural Brain Research</i> , 2016, 299, 81-89.	1.2	13
57	The effects of hormones and physical exercise on hippocampal structural plasticity. <i>Frontiers in Neuroendocrinology</i> , 2016, 41, 23-43.	2.5	75
58	Effects of pre-natal alcohol exposure on hippocampal synaptic plasticity: Sex, age and methodological considerations. <i>Neuroscience and Biobehavioral Reviews</i> , 2016, 64, 12-34.	2.9	66
59	Time-Course Analysis of Protein and Lipid Oxidation in the Brains of Yac128 Huntington's Disease Transgenic Mice. <i>Rejuvenation Research</i> , 2016, 19, 140-148.	0.9	15
60	Optimizing Differentiation Protocols for Producing Dopaminergic Neurons from Human Induced Pluripotent Stem Cells for Tissue Engineering Applications. <i>Biomarker Insights</i> , 2015, 10s1, BML.S20064.	1.0	17
61	The Benefits of Exercise on Structural and Functional Plasticity in the Rodent Hippocampus of Different Disease Models. <i>Brain Plasticity</i> , 2015, 1, 97-127.	1.9	47
62	Enhanced corticosteroid signaling alters synaptic plasticity in the dentate gyrus in mice lacking the fragile X mental retardation protein. <i>Neurobiology of Disease</i> , 2015, 77, 26-34.	2.1	15
63	Rescue of NMDAR-Dependent Synaptic Plasticity in Fmr1 Knock-Out Mice. <i>Cerebral Cortex</i> , 2015, 25, 271-279.	1.6	47
64	GluN2A ^{−/−} Mice Lack Bidirectional Synaptic Plasticity in the Dentate Gyrus and Perform Poorly on Spatial Pattern Separation Tasks. <i>Cerebral Cortex</i> , 2015, 25, 2102-2113.	1.6	42
65	A Comparison of the Different Animal Models of Fetal Alcohol Spectrum Disorders and Their Use in Studying Complex Behaviors. <i>Frontiers in Pediatrics</i> , 2014, 2, 93.	0.9	168
66	Physical Exercise-Induced Adult Neurogenesis: A Good Strategy to Prevent Cognitive Decline in Neurodegenerative Diseases?. <i>BioMed Research International</i> , 2014, 2014, 1-20.	0.9	82
67	Prenatal Ethanol (EtOH) Exposure Alters the Sensitivity of the Adult Dentate Gyrus to Acute EtOH Exposure. <i>Alcoholism: Clinical and Experimental Research</i> , 2014, 38, 135-143.	1.4	5
68	Prenatal ethanol exposure differentially affects hippocampal neurogenesis in the adolescent and aged brain. <i>Neuroscience</i> , 2014, 273, 174-188.	1.1	30
69	Prenatal ethanol exposure has sex-specific effects on hippocampal long-term potentiation. <i>Hippocampus</i> , 2014, 24, 54-64.	0.9	50
70	Physical exercise-induced hippocampal neurogenesis and antidepressant effects are mediated by the adipocyte hormone adiponectin. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 15810-15815.	3.3	238
71	YAC128 Huntington's disease transgenic mice show enhanced short-term hippocampal synaptic plasticity early in the course of the disease. <i>Brain Research</i> , 2014, 1581, 117-128.	1.1	19
72	Sustained Running in Rats Administered Corticosterone Prevents the Development of Depressive Behaviors and Enhances Hippocampal Neurogenesis and Synaptic Plasticity without Increasing Neurotrophic Factor Levels. <i>Cell Transplantation</i> , 2014, 23, 481-492.	1.2	40

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73	Oxidative Stress in Fetal Alcohol Spectrum Disorders “ Insights for the Development of Antioxidant-Based Therapies. , 2014, , 645-667.		4
74	Deletion of the NMDA Receptor GluN2A Subunit Significantly Decreases Dendritic Growth in Maturing Dentate Granule Neurons. PLoS ONE, 2014, 9, e103155.	1.1	36
75	The Role of Oxidative Stress in Huntington’s Disease: Are Antioxidants Good Therapeutic Candidates?. Current Drug Targets, 2014, 15, 454-468.	1.0	77
76	Prenatal ethanol exposure reduces pyramidal cell size and postsynaptic density length in the CA1 region of the hippocampus in adolescent rats (726.2). FASEB Journal, 2014, 28, 726.2.	0.2	0
77	Omega-3 fatty acids can reverse the long-term deficits in hippocampal synaptic plasticity caused by prenatal ethanol exposure. Neuroscience Letters, 2013, 551, 7-11.	1.0	50
78	Electrophysiological identification of medial and lateral perforant path inputs to the dentate gyrus. Neuroscience, 2013, 252, 154-168.	1.1	40
79	Omega-3 supplementation can restore glutathione levels and prevent oxidative damage caused by prenatal ethanol exposure. Journal of Nutritional Biochemistry, 2013, 24, 760-769.	1.9	79
80	Liquid diets reduce cell proliferation but not neurogenesis in the adult rat hippocampus. Neuroscience, 2013, 254, 173-184.	1.1	28
81	Long-term exercise is needed to enhance synaptic plasticity in the hippocampus. Learning and Memory, 2013, 20, 642-647.	0.5	83
82	Effects of Ethanol Exposure during Distinct Periods of Brain Development on Hippocampal Synaptic Plasticity. Brain Sciences, 2013, 3, 1076-1094.	1.1	16
83	Impairments in hippocampal synaptic plasticity following prenatal ethanol exposure are dependent on glutathione levels. Hippocampus, 2013, 23, 1463-1475.	0.9	36
84	Hippocampal Neurogenesis Levels Predict WATERMAZE Search Strategies in the Aging Brain. PLoS ONE, 2013, 8, e75125.	1.1	106
85	Anxiety- and depression-like behaviors are accompanied by an increase in oxidative stress in a rat model of fetal alcohol spectrum disorders: Protective effects of voluntary physical exercise. Neuropharmacology, 2012, 62, 1607-1618.	2.0	141
86	Enhanced Deficits in Long-Term Potentiation in the Adult Dentate Gyrus with 2nd Trimester Ethanol Consumption. PLoS ONE, 2012, 7, e51344.	1.1	24
87	Prenatal ethanol exposure enhances NMDAR-dependent long-term potentiation in the adolescent female dentate gyrus. Hippocampus, 2012, 22, 69-81.	0.9	43
88	NMDA receptor hypofunction in the dentate gyrus and impaired context discrimination in adult <i>Fmr1</i> knockout mice. Hippocampus, 2012, 22, 241-254.	0.9	86
89	Differential Response of Hippocampal Subregions to Stress and Learning. PLoS ONE, 2012, 7, e53126.	1.1	61
90	The role of oxidative stress in fetal alcohol spectrum disorders. Brain Research Reviews, 2011, 67, 209-225.	9.1	141

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91	Running reduces stress and enhances cell genesis in aged mice. <i>Neurobiology of Aging</i> , 2011, 32, 2279-2286.	1.5	93
92	Voluntary exercise does not enhance long-term potentiation in the adolescent female dentate gyrus. <i>Neuroscience</i> , 2011, 183, 25-31.	1.1	42
93	Glutathione Restores the Mechanism of Synaptic Plasticity in Aged Mice to That of the Adult. <i>PLoS ONE</i> , 2011, 6, e20676.	1.1	77
94	Voluntary exercise induces adult hippocampal neurogenesis and BDNF expression in a rodent model of fetal alcohol spectrum disorders. <i>European Journal of Neuroscience</i> , 2011, 33, 1799-1811.	1.2	61
95	Altered adult hippocampal neurogenesis in the YAC128 transgenic mouse model of Huntington disease. <i>Neurobiology of Disease</i> , 2011, 41, 249-260.	2.1	92
96	Altered adult hippocampal neuronal maturation in a rat model of fetal alcohol syndrome. <i>Brain Research</i> , 2011, 1384, 29-41.	1.1	55
97	Neurogenesis in Huntington's disease: Can studying adult neurogenesis lead to the development of new therapeutic strategies?. <i>Brain Research</i> , 2011, 1406, 84-105.	1.1	53
98	Overexpression of the cell adhesion protein neuroligin-1 induces learning deficits and impairs synaptic plasticity by altering the ratio of excitation to inhibition in the hippocampus. <i>Hippocampus</i> , 2010, 20, 305-322.	0.9	120
99	Endogenous cannabinoid signaling is required for voluntary exercise-induced enhancement of progenitor cell proliferation in the hippocampus. <i>Hippocampus</i> , 2010, 20, 513-523.	0.9	111
100	Hippocampal cell loss and neurogenesis after fetal alcohol exposure: Insights from different rodent models. <i>Brain Research Reviews</i> , 2010, 64, 283-303.	9.1	164
101	Characterization of the neurogenesis quiescent zone in the rodent brain: Effects of age and exercise. <i>European Journal of Neuroscience</i> , 2010, 31, 797-807.	1.2	12
102	Characterization of the neurogenesis quiescent zone in the rodent brain: effects of age and exercise. <i>European Journal of Neuroscience</i> , 2010, 31, 1708-1708.	1.2	0
103	Morphological analysis of dentate granule neurons in the mouse model of Fragile X syndrome. <i>FASEB Journal</i> , 2010, 24, 643.6.	0.2	0
104	Fmr1 knockout mice show reduced anxiety and alterations in neurogenesis that are specific to the ventral dentate gyrus. <i>Neurobiology of Disease</i> , 2009, 36, 361-373.	2.1	80
105	Stress differentially regulates the effects of voluntary exercise on cell proliferation in the dentate gyrus of mice. <i>Hippocampus</i> , 2009, 19, 889-897.	0.9	40
106	Exercising some control over the hippocampus. <i>Hippocampus</i> , 2009, 19, 887-888.	0.9	0
107	Evaluation of Hippocampal Neurogenesis in YAC128 Huntington's Disease Transgenic Mice. <i>European Psychiatry</i> , 2009, 24, .	0.1	0
108	Cognition, learning behaviour and hippocampal synaptic plasticity are not disrupted in mice over-expressing the cholesterol transporter ABCG1. <i>Lipids in Health and Disease</i> , 2009, 8, 5.	1.2	10

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109	NGF Is Essential for Hippocampal Plasticity and Learning. <i>Journal of Neuroscience</i> , 2009, 29, 10883-10889.	1.7	171
110	Exercising Our Brains: How Physical Activity Impacts Synaptic Plasticity in the Dentate Gyrus. <i>NeuroMolecular Medicine</i> , 2008, 10, 47-58.	1.8	85
111	Long-term depression in vivo: Effects of sex, stress, diet, and prenatal ethanol exposure. <i>Hippocampus</i> , 2008, 18, 481-491.	0.9	24
112	ABCG1 influences the brain cholesterol biosynthetic pathway but does not affect amyloid precursor protein or apolipoprotein E metabolism in vivo. <i>Journal of Lipid Research</i> , 2008, 49, 1254-1267.	2.0	53
113	The Novel Impact Of Treadmill Exercise And Sex Difference On Cell Proliferation and Cell Survival In The Dentate Gyrus Of C93A Mice. <i>FASEB Journal</i> , 2008, 22, 1197.9.	0.2	0
114	Hippocampal long-term depression mediates acute stress-induced spatial memory retrieval impairment. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 11471-11476.	3.3	205
115	Tyrosine phosphorylation of the GluR2 subunit is required for long-term depression of synaptic efficacy in young animals in vivo. <i>Hippocampus</i> , 2007, 17, 600-605.	0.9	49
116	Effects of exercise on NMDA receptor subunit contributions to bidirectional synaptic plasticity in the mouse dentate gyrus. <i>Hippocampus</i> , 2007, 17, 1201-1208.	0.9	86
117	Do new neurons have a functional role in the adult hippocampus?. <i>Debates in Neuroscience</i> , 2007, 1, 26-32.	1.7	9
118	Deletion of the nuclear receptor Nr2e1 impairs synaptic plasticity and dendritic structure in the mouse dentate gyrus. <i>Neuroscience</i> , 2006, 137, 1031-1037.	1.1	25
119	Exercise-induced changes in dendritic structure and complexity in the adult hippocampal dentate gyrus. <i>Neuroscience</i> , 2006, 137, 1299-1307.	1.1	212
120	The putative neural stem cell marker, nestin, is expressed in heterogeneous cell types in the adult rat neocortex. <i>Neuroscience</i> , 2006, 138, 183-188.	1.1	35
121	Isolectin-IB4 as a vascular stain for the study of adult neurogenesis. <i>Journal of Neuroscience Methods</i> , 2006, 150, 138-142.	1.3	34
122	Neurogenesis in the adult hippocampus. <i>Hippocampus</i> , 2006, 16, 199-207.	0.9	187
123	Environmental enrichment and voluntary exercise massively increase neurogenesis in the adult hippocampus via dissociable pathways. <i>Hippocampus</i> , 2006, 16, 250-260.	0.9	488
124	Hippocampal cell proliferation is reduced following prenatal ethanol exposure but can be rescued with voluntary exercise. <i>Hippocampus</i> , 2006, 16, 305-311.	0.9	121
125	Contribution of NR2A and NR2B NMDA subunits to bidirectional synaptic plasticity in the hippocampus in vivo. <i>Hippocampus</i> , 2006, 16, 907-915.	0.9	155
126	Temporally specific proliferation events are induced in the hippocampus following acute focal injury. <i>Journal of Neuroscience Research</i> , 2006, 83, 349-361.	1.3	21

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127	A Fragile Synapse: Changes at the Synapse in Fragile X Syndrome. , 2006, , 445-456.		0
128	Antidepressant effects of exercise: evidence for an adult-neurogenesis hypothesis?. Journal of Psychiatry and Neuroscience, 2006, 31, 84-92.	1.4	183
129	Voluntary exercise rescues deficits in spatial memory and long-term potentiation in prenatal ethanol-exposed male rats. European Journal of Neuroscience, 2005, 21, 1719-1726.	1.2	133
130	Nestin-expressing cells and their relationship to mitotically active cells in the subventricular zones of the adult rat. European Journal of Neuroscience, 2005, 22, 3059-3066.	1.2	42
131	Voluntary exercise alters the cytoarchitecture of the adult dentate gyrus by increasing cellular proliferation, dendritic complexity, and spine density. Journal of Comparative Neurology, 2005, 486, 39-47.	0.9	404
132	Corticotrophin-releasing hormone decreases synaptic transmission in rat sensorimotor cortex in vivo. Neuroscience, 2005, 134, 965-973.	1.1	5
133	Prolonged cannabinoid treatment results in spatial working memory deficits and impaired long-term potentiation in the CA1 region of the hippocampus in vivo. European Journal of Neuroscience, 2004, 20, 859-863.	1.2	50
134	Effects of voluntary exercise on synaptic plasticity and gene expression in the dentate gyrus of adult male sprague-dawley rats in vivo. Neuroscience, 2004, 124, 71-79.	1.1	714
135	Mice lacking methyl-CpG binding protein 1 have deficits in adult neurogenesis and hippocampal function. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 6777-6782.	3.3	346
136	Active dendrites, potassium channels and synaptic plasticity. Philosophical Transactions of the Royal Society B: Biological Sciences, 2003, 358, 667-674.	1.8	226
137	Reduced Synaptic Plasticity in the Lateral Perforant Path Input to the Dentate Gyrus of Aged C57BL/6 Mice. Journal of Neurophysiology, 2003, 90, 32-38.	0.9	40
138	Functional neurogenesis in the adult hippocampus. Nature, 2002, 415, 1030-1034.	13.7	2,558
139	The Role of RNA Editing of Kainate Receptors in Synaptic Plasticity and Seizures. Neuron, 2001, 29, 217-227.	3.8	135
140	Dopamine D1/D5 receptor modulation of excitatory synaptic inputs to layer V prefrontal cortex neurons. Proceedings of the National Academy of Sciences of the United States of America, 2001, 98, 301-6.	3.3	227
141	Synaptic plasticity in morphologically identified CA1 stratum radiatum interneurons and giant projection cells. Hippocampus, 2000, 10, 673-683.	0.9	32
142	Running enhances neurogenesis, learning, and long-term potentiation in mice. Proceedings of the National Academy of Sciences of the United States of America, 1999, 96, 13427-13431.	3.3	2,499
143	Contribution of Voltage-Gated Ca ²⁺ Channels to Homosynaptic Long-Term Depression in the CA1 Region In Vitro. Journal of Neurophysiology, 1997, 77, 1651-1655.	0.9	82
144	Active Properties of Neuronal Dendrites. Annual Review of Neuroscience, 1996, 19, 165-186.	5.0	553

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145	Dihydropyridine-sensitive, voltage-gated Ca ²⁺ channels contribute to the resting intracellular Ca ²⁺ concentration of hippocampal CA1 pyramidal neurons. <i>Journal of Neurophysiology</i> , 1996, 76, 3460-3470.	0.9	110
146	Long-term depression (LTD) in the hippocampus. <i>Hippocampus</i> , 1996, 6, 1-2.	0.9	13
147	Dendritic calcium channels and hippocampal long-term depression. <i>Hippocampus</i> , 1996, 6, 17-23.	0.9	29
148	The role of dendritic action potentials and Ca ²⁺ influx in the induction of homosynaptic long-term depression in hippocampal CA1 pyramidal neurons.. <i>Learning and Memory</i> , 1996, 3, 160-169.	0.5	61
149	Reduction of the threshold for long-term potentiation by prior theta-frequency synaptic activity. <i>Hippocampus</i> , 1995, 5, 52-59.	0.9	73
150	Evidence for common expression mechanisms underlying heterosynaptic and associative long-term depression in the dentate gyrus. <i>Journal of Neurophysiology</i> , 1995, 74, 1244-1247.	0.9	30
151	Different Ca ²⁺ channels in soma and dendrites of hippocampal pyramidal neurons mediate spike-induced Ca ²⁺ influx. <i>Journal of Neurophysiology</i> , 1995, 73, 2553-2557.	0.9	204
152	Subthreshold synaptic activation of voltage-gated Ca ²⁺ channels mediates a localized Ca ²⁺ influx into the dendrites of hippocampal pyramidal neurons. <i>Journal of Neurophysiology</i> , 1995, 74, 1335-1342.	0.9	188
153	Flip side of synaptic plasticity: Long-term depression mechanisms in the hippocampus. <i>Hippocampus</i> , 1994, 4, 127-135.	0.9	142
154	L-type voltage-sensitive calcium channel antagonists block heterosynaptic long-term depression in the dentate gyrus of anaesthetized rats. <i>Neuroscience Letters</i> , 1994, 167, 41-45.	1.0	39
155	Immediate early gene expression associated with the persistence of heterosynaptic long-term depression in the hippocampus.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1994, 91, 10049-10053.	3.3	84
156	Differential regulation of paired-pulse plasticity following LTP in the dentate gyrus. <i>NeuroReport</i> , 1994, 5, 385-388.	0.6	66
157	Priming of associative long-term depression in the dentate gyrus by \hat{I} , frequency synaptic activity. <i>Neuron</i> , 1992, 9, 79-84.	3.8	173
158	NMDA-dependent heterosynaptic long-term depression in the dentate gyrus of anaesthetized rats. <i>Synapse</i> , 1992, 10, 1-6.	0.6	89
159	Cingulate cell discharge patterns related to hippocampal EEG and their modulation by muscarinic and nicotinic agents. <i>Brain Research</i> , 1988, 460, 329-338.	1.1	50
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