In-Koo Hwang

List of Publications by Year
in descending order

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293	5,673	87723	174990
papers	citations	38 h-index	52 g-index

294	294	294	6936
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Indoleâ€3â€propionic acid attenuates neuronal damage and oxidative stress in the ischemic hippocampus. Journal of Neuroscience Research, 2009, 87, 2126-2137.	1.3	127
2	In vivo protein transduction: biologically active intact pep-1-superoxide dismutase fusion protein efficiently protects against ischemic insult. Free Radical Biology and Medicine, 2004, 37, 1656-1669.	1.3	119
3	Melatonin improves <scp>d</scp>â€galactoseâ€induced aging effects on behavior, neurogenesis, and lipid peroxidation in the mouse dentate gyrus via increasing pCREB expression. Journal of Pineal Research, 2012, 52, 21-28.	3.4	107
4	Effects of Curcumin (Curcuma longa) on Learning and Spatial Memory as Well as Cell Proliferation and Neuroblast Differentiation in Adult and Aged Mice by Upregulating Brain-Derived Neurotrophic Factor and CREB Signaling. Journal of Medicinal Food, 2014, 17, 641-649.	0.8	89
5	Pre- and post-treatments with escitalopram protect against experimental ischemic neuronal damage via regulation of BDNF expression and oxidative stress. Experimental Neurology, 2011, 229, 450-459.	2.0	76
6	Activation of microglia and induction of pro-inflammatory cytokines in the hippocampus of type 2 diabetic rats. Neurological Research, 2014, 36, 824-832.	0.6	73
7	Sac-1004, a vascular leakage blocker, reduces cerebral ischemiaâ€"reperfusion injury by suppressing bloodâ€"brain barrier disruption and inflammation. Journal of Neuroinflammation, 2017, 14, 122.	3.1	72
8	Effects of fluoxetine on ischemic cells and expressions in BDNF and some antioxidants in the gerbil hippocampal CA1 region induced by transient ischemia. Experimental Neurology, 2007, 204, 748-758.	2.0	68
9	Anti-inflammatory Effect of Tanshinone I in Neuroprotection Against Cerebral Ischemiaâ€"Reperfusion Injury in the Gerbil Hippocampus. Neurochemical Research, 2014, 39, 1300-1312.	1.6	68
10	Ionized Calcium-binding Adapter Molecule 1 Immunoreactive Cells Change in the Gerbil Hippocampal CA1 Region after Ischemia/Reperfusion. Neurochemical Research, 2006, 31, 957-965.	1.6	66
11	Systemic Administration of Lipopolysaccharide Induces Cyclooxygenase-2 Immunoreactivity in Endothelium and Increases Microglia in the Mouse Hippocampus. Cellular and Molecular Neurobiology, 2010, 30, 531-541.	1.7	66
12	Neuroprotective effects of grape seed extract on neuronal injury by inhibiting DNA damage in the gerbil hippocampus after transient forebrain ischemia. Life Sciences, 2004, 75, 1989-2001.	2.0	64
13	Strain-specific differences in cell proliferation and differentiation in the dentate gyrus of C57BL/6N and C3H/HeN mice fed a high fat diet. Brain Research, 2008, 1241, 1-6.	1.1	60
14	Copper chaperone for Cu,Zn-SOD supplement potentiates the Cu,Zn-SOD function of neuroprotective effects against ischemic neuronal damage in the gerbil hippocampus. Free Radical Biology and Medicine, 2005, 39, 392-402.	1.3	59
15	Neuroprotective effects of roasted licorice, not raw form, on neuronal injury in gerbil hippocampus after transient forebrain ischemia1. Acta Pharmacologica Sinica, 2006, 27, 959-965.	2.8	57
16	Changes in the expression of mitochondrial peroxiredoxin and thioredoxin in neurons and glia and their protective effects in experimental cerebral ischemic damage. Free Radical Biology and Medicine, 2010, 48, 1242-1251.	1.3	56
17	Effects of Treadmill Exercise on Cell Proliferation and Differentiation in the Subgranular Zone of the Dentate Gyrus in a Rat Model of Type II Diabetes. Neurochemical Research, 2009, 34, 1039-1046.	1.6	55
18	Maintenance of anti-inflammatory cytokines and reduction of glial activation in the ischemic hippocampal CA1 region preconditioned with lipopolysaccharide. Journal of the Neurological Sciences, 2010, 296, 69-78.	0.3	53

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19	Chronic type 2 diabetes reduces the integrity of the blood-brain barrier by reducing tight junction proteins in the hippocampus. Journal of Veterinary Medical Science, 2016, 78, 957-962.	0.3	53
20	Time course of changes in pyridoxal 5â€²-phosphate (vitamin B6 active form) and its neuroprotection in experimental ischemic damage. Experimental Neurology, 2007, 206, 114-125.	2.0	52
21	Neuroprotective Effects of Onion Extract and Quercetin Against Ischemic Neuronal Damage in the Gerbil Hippocampus. Journal of Medicinal Food, 2009, 12, 990-995.	0.8	52
22	Melatonin's protective action against ischemic neuronal damage is associated with upâ€regulation of the MT2 melatonin receptor. Journal of Neuroscience Research, 2010, 88, 2630-2640.	1.3	52
23	High glucose upregulates BACE1-mediated AÎ² production through ROS-dependent HIF-1Î± and LXRÎ±/ABCA1-regulated lipid raft reorganization in SK-N-MC cells. Scientific Reports, 2016, 6, 36746.	1.6	52
24	Effects of luteolin on spatial memory, cell proliferation, and neuroblast differentiation in the hippocampal dentate gyrus in a scopolamine-induced amnesia model. Neurological Research, 2013, 35, 813-820.	0.6	51
25	Long-Term Exercise Improves Memory Deficits via Restoration of Myelin and Microvessel Damage, and Enhancement of Neurogenesis in the Aged Gerbil Hippocampus After Ischemic Stroke. Neurorehabilitation and Neural Repair, 2016, 30, 894-905.	1.4	50
26	Pretreated fucoidan confers neuroprotection against transient global cerebral ischemic injury in the gerbil hippocampal CA1 area via reducing of glial cell activation and oxidative stress. Biomedicine and Pharmacotherapy, 2019, 109, 1718-1727.	2.5	50
27	Palmitic Acid-BSA enhances Amyloid-Î² production through GPR40-mediated dual pathways in neuronal cells: Involvement of the Akt/mTOR/HIF-1Î± and Akt/NF-ÎºB pathways. Scientific Reports, 2017, 7, 4335.	1.6	49
28	Neuronal damage is much delayed and microgliosis is more severe in the aged hippocampus induced by transient cerebral ischemia compared to the adult hippocampus. Journal of the Neurological Sciences, 2010, 294, 1-6.	0.3	47
29	Synergistic Effects of Sodium Butyrate, a Histone Deacetylase Inhibitor, on Increase of Neurogenesis Induced by Pyridoxine and Increase of Neural Proliferation in the Mouse Dentate Gyrus. Neurochemical Research, 2011, 36, 1850-1857.	1.6	46
30	Correlations between neuronal loss, decrease of memory, and decrease expression of brain-derived neurotrophic factor in the gerbil hippocampus during normal aging. Experimental Neurology, 2006, 201, 75-83.	2.0	43
31	Antioxidant effects of Dendropanax morbifera LÃ©veille extract in the hippocampus of mercury-exposed rats. BMC Complementary and Alternative Medicine, 2015, 15, 247.	3.7	43
32	Expression and changes of endogenous insulin-like growth factor-1 in neurons and glia in the gerbil hippocampus and dentate gyrus after ischemic insult. Neurochemistry International, 2004, 45, 149-156.	1.9	42
33	Mineralocorticoid and glucocorticoid receptor expressions in astrocytes and microglia in the gerbil hippocampal CA1 region after ischemic insult. Neuroscience Research, 2006, 54, 319-327.	1.0	41
34	Differences in Doublecortin Immunoreactivity and Protein Levels in the Hippocampal Dentate Gyrus Between Adult and Aged Dogs. Neurochemical Research, 2007, 32, 1604-1609.	1.6	40
35	A Phytochemically Characterized Extract of Cordyceps militaris and Cordycepin Protect Hippocampal Neurons from Ischemic Injury in Gerbils. Planta Medica, 2008, 74, 114-119.	0.7	40
36	Effects of Melissa officinalis L. (Lemon Balm) Extract on Neurogenesis Associated with Serum Corticosterone and GABA in the Mouse Dentate Gyrus. Neurochemical Research, 2011, 36, 250-257.	1.6	40

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37	New GABAergic Neurogenesis in the Hippocampal CA1 Region of a Gerbil Model of Longâ€Term Survival after Transient Cerebral Ischemic Injury. Brain Pathology, 2016, 26, 581-592.	2.1	40
38	Reduced Hippocampal Cell Differentiation in the Subgranular Zone of the Dentate Gyrus in a Rat Model of Type II Diabetes. Neurochemical Research, 2008, 33, 394-400.	1.6	39
39	Neuroprotection of ebselen against ischemia/reperfusion injury involves GABA shunt enzymes. Journal of the Neurological Sciences, 2009, 285, 88-94.	0.3	39
40	Neuroprotective effects of adipose-derived stem cells against ischemic neuronal damage in the rabbit spinal cord. Journal of the Neurological Sciences, 2012, 317, 40-46.	0.3	39
41	Valeriana officinalis extract and its main component, valerenic acid, ameliorate d-galactose-induced reductions in memory, cell proliferation, and neuroblast differentiation by reducing corticosterone levels and lipid peroxidation. Experimental Gerontology, 2013, 48, 1369-1377.	1.2	39
42	Ischemic preconditioning protects hippocampal pyramidal neurons from transient ischemic injury via the attenuation of oxidative damage through upregulating heme oxygenase-1. Free Radical Biology and Medicine, 2015, 79, 78-90.	1.3	39
43	Pretreated quercetin protects gerbil hippocampal CA1 pyramidal neurons from transient cerebral ischemic injury by increasing the expression of antioxidant enzymes. Neural Regeneration Research, 2017, 12, 220.	1.6	39
44	Transduced Tatâ€“SAG fusion protein protects against oxidative stress and brain ischemic insult. Free Radical Biology and Medicine, 2010, 48, 969-977.	1.3	38
45	Effects of Electroacupuncture at Zusanli and Baihui on Brain-Derived Neurotrophic Factor and Cyclic AMP Response Element-Binding Protein in the Hippocampal Dentate Gyrus. Journal of Veterinary Medical Science, 2010, 72, 1431-1436.	0.3	37
46	Comparison of Ionized Calcium-binding Adapter Molecule 1 Immunoreactivity of the Hippocampal Dentate Gyrus and CA1 Region in Adult and Aged Dogs. Neurochemical Research, 2008, 33, 1309-1315.	1.6	36
47	CD74-immunoreactive activated M1 microglia are shown late in the gerbil hippocampal CA1 region following transient cerebral ischemia. Molecular Medicine Reports, 2017, 15, 4148-4154.	1.1	36
48	Comparing the Effects of Acupuncture and Electroacupuncture at Zusanli and Baihui on Cell Proliferation and Neuroblast Differentiation in the Rat Hippocampus. Journal of Veterinary Medical Science, 2010, 72, 279-284.	0.3	35
49	Age-Related Changes in Ionized Calcium-Binding Adapter Molecule 1 Immunoreactivity and Protein Level in the Gerbil Hippocampal CA1 Region. Journal of Veterinary Medical Science, 2007, 69, 1131-1136.	0.3	34
50	Dendropanax morbifera LÃ©veille extract facilitates cadmium excretion and prevents oxidative damage in the hippocampus by increasing antioxidant levels in cadmium-exposed rats. BMC Complementary and Alternative Medicine, 2014, 14, 428.	3.7	34
51	Impact of hyperthermia before and during ischemiaâ€“reperfusion on neuronal damage and gliosis in the gerbil hippocampus induced by transient cerebral ischemia. Journal of the Neurological Sciences, 2015, 348, 101-110.	0.3	34
52	Metformin Normalizes Type 2 Diabetes-Induced Decrease in Cell Proliferation and Neuroblast Differentiation in the Rat Dentate Gyrus. Neurochemical Research, 2010, 35, 645-650.	1.6	33
53	Reduced Cell Proliferation and Neuroblast Differentiation in the Dentate Gyrus of High Fat Diet-Fed Mice are Ameliorated by Metformin and Glimepiride Treatment. Neurochemical Research, 2011, 36, 2401-2408.	1.6	33
54	Sodium butyrate, a histone deacetylase Inhibitor, ameliorates SIRT2-induced memory impairment, reduction of cell proliferation, and neuroblast differentiation in the dentate gyrus. Neurological Research, 2015, 37, 69-76.	0.6	33

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55	SP, CGRP changes in pyridoxine induced neuropathic dogs with nerve growth factor gene therapy. BMC Neuroscience, 2016, 17, 1.	0.8	33
56	Melatonin improves vascular cognitive impairment induced by ischemic stroke by remyelination via activation of ERK1/2 signaling and restoration of glutamatergic synapses in the gerbil hippocampus. Biomedicine and Pharmacotherapy, 2018, 108, 687-697.	2.5	32
57	Protein disulfide-isomerase A3 significantly reduces ischemia-induced damage by reducing oxidative and endoplasmic reticulum stress. Neurochemistry International, 2019, 122, 19-30.	1.9	32
58	Pyridoxine Enhances Cell Proliferation and Neuroblast Differentiation by Upregulating the GABAergic System in the Mouse Dentate Gyrus. Neurochemical Research, 2011, 36, 713-721.	1.6	31
59	Neuroprotective effects of PEP-1-carbonyl reductase 1 against oxidative-stress-induced ischemic neuronal cell damage. Free Radical Biology and Medicine, 2014, 69, 181-196.	1.3	31
60	Neuroprotective effects of Z-ajoene, an organosulfur compound derived from oil-macerated garlic, in the gerbil hippocampal CA1 region after transient forebrain ischemia. Food and Chemical Toxicology, 2014, 72, 1-7.	1.8	31
61	Chronic treatment of exendin-4 affects cell proliferation and neuroblast differentiation in the adult mouse hippocampal dentate gyrus. Neuroscience Letters, 2010, 486, 38-42.	1.0	29
62	Late expression of Na+/H+ exchanger 1 (NHE1) and neuroprotective effects of NHE inhibitor in the gerbil hippocampal CA1 region induced by transient ischemia. Experimental Neurology, 2008, 212, 314-323.	2.0	28
63	Melatonin attenuates scopolamine-induced cognitive impairment via protecting against demyelination through BDNF-TrkB signaling in the mouse dentate gyrus. Chemico-Biological Interactions, 2018, 285, 8-13.	1.7	27
64	Chronological alterations of calbindin D-28k immunoreactivity in the gerbil main olfactory bulb after ischemic insult. Brain Research, 2003, 971, 250-254.	1.1	26
65	Age-related Differentiation in Newly Generated DCX Immunoreactive Neurons in the Subgranular Zone of the Gerbil Dentate Gyrus. Neurochemical Research, 2008, 33, 867-872.	1.6	26
66	Differential Effects of Low- and High-dose Zinc Supplementation on Synaptic Plasticity and Neurogenesis in the Hippocampus of Control and High-fat Diet-fed Mice. Neurochemical Research, 2017, 42, 3149-3159.	1.6	26
67	Differences in Lipid Peroxidation and Cu, Zn-Superoxide Dismutase in the Hippocampal CA1 Region Between Adult and Aged Dogs. Journal of Veterinary Medical Science, 2008, 70, 273-277.	0.3	25
68	Effects of grape seed extract and its ethylacetate/ethanol fraction on blood glucose levels in a model of type 2 diabetes. Phytotherapy Research, 2009, 23, 1182-1185.	2.8	25
69	Effects of age and treadmill exercise in chronic diabetic stages on neuroblast differentiation in a rat model of type 2 diabetes. Brain Research, 2010, 1341, 63-71.	1.1	25
70	Long-term changes in neuronal degeneration and microglial activation in the hippocampal CA1 region after experimental transient cerebral ischemic damage. Brain Research, 2010, 1342, 138-149.	1.1	25
71	(â€)â€epigallocatechinâ€3â€gallate increases cell proliferation and neuroblasts in the subgranular zone of the dentate gyrus in adult mice. Phytotherapy Research, 2010, 24, 1065-1070.	2.8	25
72	The Chronological Characteristics of SOD1 Activity and Inflammatory Response in the Hippocampi of STZ-Induced Type 1 Diabetic Rats. Neurochemical Research, 2011, 36, 117-128.	1.6	25

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73	Neuroprotective Effects of PEP-1-Cu,Zn-SOD against Ischemic Neuronal Damage in the Rabbit Spinal Cord. Neurochemical Research, 2012, 37, 307-313.	1.6	25
74	Effects of High-Fat Diet on Neuronal Damage, Gliosis, Inflammatory Process and Oxidative Stress in the Hippocampus Induced by Transient Cerebral Ischemia. Neurochemical Research, 2014, 39, 2465-2478.	1.6	25
75	Dendropanax morbifera LÃ©veille extract ameliorates cadmium-induced impairment in memory and hippocampal neurogenesis in rats. BMC Complementary and Alternative Medicine, 2016, 16, 452.	3.7	25
76	Tat-protein disulfide-isomerase A3: a possible candidate for preventing ischemic damage in the spinal cord. Cell Death and Disease, 2017, 8, e3075-e3075.	2.7	25
77	Comparison of Adult Hippocampal Neurogenesis and Susceptibility to Treadmill Exercise in Nine Mouse Strains. Neural Plasticity, 2017, 2017, 1-13.	1.0	25
78	Melatonin ameliorates cuprizoneâ€induced reduction of hippocampal neurogenesis, brainâ€derived neurotrophic factor, and phosphorylation of cyclic AMP response elementâ€binding protein in the mouse dentate gyrus. Brain and Behavior, 2019, 9, e01388.	1.0	25
79	Ischemia-induced changes of platelet endothelial cell adhesion molecule-1 in the hippocampal CA1 region in gerbils. Brain Research, 2005, 1048, 251-257.	1.1	24
80	Combination Effects of Sodium Butyrate and Pyridoxine Treatment on Cell Proliferation and Neuroblast Differentiation in the Dentate Gyrus of d-Galactose-Induced Aging Model Mice. Neurochemical Research, 2012, 37, 223-231.	1.6	24
81	Folic acid deficiency increases delayed neuronal death, DNA damage, platelet endothelial cell adhesion moleculeâ€1 immunoreactivity, and gliosis in the hippocampus after transient cerebral ischemia. Journal of Neuroscience Research, 2008, 86, 2003-2015.	1.3	23
82	Effects of Ginkgo biloba Extract on Promotion of Neurogenesis in the Hippocampal Dentate Gyrus in C57BL/6 Mice. Journal of Veterinary Medical Science, 2011, 73, 71-76.	0.3	23
83	Effects of Treadmill Exercise on Neural Stem Cells, Cell Proliferation, and Neuroblast Differentiation in the Subgranular Zone of the Dentate Gyrus in Cyclooxygenase-2 Knockout Mice. Neurochemical Research, 2013, 38, 2559-2569.	1.6	23
84	Immunohistochemical studies of brain pyridoxine-5â€²-phosphate oxidase. Brain Research, 2002, 925, 159-168.	1.1	22
85	Changes in immunoreactivity of HSP60 and its neuroprotective effects in the gerbil hippocampal CA1 region induced by transient ischemia. Experimental Neurology, 2007, 208, 247-256.	2.0	22
86	Effective delivery of Pep-1-cargo protein into ischemic neurons and long-term neuroprotection of Pep-1-SOD1 against ischemic injury in the gerbil hippocampus. Neurochemistry International, 2008, 52, 659-668.	1.9	22
87	Comparison of Ionized Calcium-binding Adapter Molecule 1-Immunoreactive Microglia in the Spinal Cord Between Young Adult and Aged Dogs. Neurochemical Research, 2010, 35, 620-627.	1.6	22
88	Effects of Nelumbo nucifera Rhizome Extract on Cell Proliferation and Neuroblast Differentiation in the Hippocampal Dentate Gyrus in a Scopolamineâ€induced Amnesia Animal Model. Phytotherapy Research, 2011, 25, 809-815.	2.8	22
89	Neuroprotection of posttreatment with risperidone, an atypical antipsychotic drug, in rat and gerbil models of ischemic stroke and the maintenance of antioxidants in a gerbil model of ischemic stroke. Journal of Neuroscience Research, 2014, 92, 795-807.	1.3	22
90	Physical exercise ameliorates the reduction of neural stem cell, cell proliferation and neuroblast differentiation in senescent mice induced by D-galactose. BMC Neuroscience, 2014, 15, 116.	0.8	22

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91	Neuroprotective effect of PEP-1-peroxiredoxin2 on CA1 regions in the hippocampus against ischemic insult. Biochimica Et Biophysica Acta - General Subjects, 2014, 1840, 2321-2330.	1.1	22
92	Melatonin Improves Cognitive Deficits via Restoration of Cholinergic Dysfunction in a Mouse Model of Scopolamine-Induced Amnesia. ACS Chemical Neuroscience, 2018, 9, 2016-2024.	1.7	22
93	Ischemiaâ€induced ribosomal protein S3 expressional changes and the neuroprotective effect against experimental cerebral ischemic damage. Journal of Neuroscience Research, 2008, 86, 1823-1835.	1.3	21
94	Differences in neuronal damage and gliosis in the hippocampus between young and adult gerbils induced by long duration of transient cerebral ischemia. Journal of the Neurological Sciences, 2014, 337, 129-136.	0.3	21
95	Tatâ€antioxidant 1 protects against stressâ€induced hippocampal <scp>HT</scp>â€22 cells death and attenuate ischaemic insult in animal model. Journal of Cellular and Molecular Medicine, 2015, 19, 1333-1345.	1.6	21
96	Chronic high-fat diet-induced obesity in gerbils increases pro-inflammatory cytokines and mTOR activation, and elicits neuronal death in the striatum following brief transient ischemia. Neurochemistry International, 2018, 121, 75-85.	1.9	21
97	Improvement in neurogenesis and memory function by administration of Passiflora incarnata L. extract applied to sleep disorder in rodent models. Journal of Chemical Neuroanatomy, 2019, 98, 27-40.	1.0	20
98	Glucose metabolism and neurogenesis in the gerbil hippocampus after transient forebrain ischemia. Neural Regeneration Research, 2016, 11, 1254.	1.6	20
99	Expression and changes of galanin in neurons and microglia in the hippocampus after transient forebrain ischemia in gerbils. Brain Research, 2004, 1023, 193-199.	1.1	19
100	Aquaporin 9 changes in pyramidal cells before and is expressed in astrocytes after delayed neuronal death in the ischemic hippocampal CA1 region of the gerbil. Journal of Neuroscience Research, 2007, 85, 2470-2479.	1.3	19
101	Hypothyroid state does not protect but delays neuronal death in the hippocampal CA1 region following transient cerebral ischemia: Focus on oxidative stress and gliosis. Journal of Neuroscience Research, 2010, 88, 2661-2668.	1.3	19
102	Regulatory mechanism of hypothalamo-pituitaryâ€“adrenal (HPA) axis and neuronal changes after adrenalectomy in type 2 diabetes. Journal of Chemical Neuroanatomy, 2010, 40, 130-139.	1.0	19
103	Comparison of Neurogenesis in the Dentate Gyrus Between the Adult and Aged Gerbil Following Transient Global Cerebral Ischemia. Neurochemical Research, 2012, 37, 802-810.	1.6	19
104	Unilateral chryptochidism induces morphological changes of testes and hyperplasia of Sertoli cells in a dog. Laboratory Animal Research, 2014, 30, 185.	1.1	19
105	Pyridoxine improves hippocampal cognitive function via increases of serotonin turnover and tyrosine hydroxylase, and its association with CB1 cannabinoid receptor-interacting protein and the CB1 cannabinoid receptor pathway. Biochimica Et Biophysica Acta - General Subjects, 2017, 1861, 3142-3153.	1.1	19
106	Effects of treadmill exercise on cyclooxygenase-2 in the hippocampus in type 2 diabetic rats: Correlation with the neuroblasts. Brain Research, 2010, 1341, 84-92.	1.1	18
107	Time-Course of Changes in Phosphorylated CREB in Neuroblasts and BDNF in the Mouse Dentate Gyrus at Early Postnatal Stages. Cellular and Molecular Neurobiology, 2011, 31, 669-674.	1.7	18
108	Valeriana officinalis Extracts Ameliorate Neuronal Damage by Suppressing Lipid Peroxidation in the Gerbil Hippocampus Following Transient Cerebral Ischemia. Journal of Medicinal Food, 2015, 18, 642-647.	0.8	18

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109	Pretreated Glehnia littoralis Extract Prevents Neuronal Death Following Transient Global Cerebral Ischemia through Increases of Superoxide Dismutase 1 and Brain-derived Neurotrophic Factor Expressions in the Gerbil Hippocampal Cornu Ammonis 1 Area. Chinese Medical Journal, 2017, 130, 1796-1803.	0.9	18
110	Neuronal loss and gliosis in the rat striatum subjected to 15 and 30 minutes of middle cerebral artery occlusion. Metabolic Brain Disease, 2018, 33, 775-784.	1.4	18
111	GABAA, not GABAB, receptor shows subunit- and spatial-specific alterations in the hippocampus of seizure prone gerbils. Brain Research, 2004, 1003, 98-107.	1.1	17
112	Ischemia-related change of ceruloplasmin immunoreactivity in neurons and astrocytes in the gerbil hippocampus and dentate gyrus. Neurochemistry International, 2004, 44, 601-607.	1.9	17
113	Expression of tissue-type transglutaminase (tTG) and the effect of tTG inhibitor on the hippocampal CA1 region after transient ischemia in gerbils. Brain Research, 2009, 1263, 134-142.	1.1	17
114	Phosphoglycerate Mutase 1 Promotes Cell Proliferation and Neuroblast Differentiation in the Dentate Gyrus by Facilitating the Phosphorylation of cAMP Response Element-Binding Protein. Neurochemical Research, 2019, 44, 323-332.	1.6	17
115	Long-term administration of scopolamine interferes with nerve cell proliferation, differentiation and migration in adult mouse hippocampal dentate gyrus, but it does not induce cell death. Neural Regeneration Research, 2014, 9, 1731.	1.6	17
116	Time-Course Alterations of Toll-Like Receptor 4 and NF-Î¹B p65, and Their Co-Expression in the Gerbil Hippocampal CA1 Region After Transient Cerebral Ischemia. Neurochemical Research, 2011, 36, 2417-2426.	1.6	16
117	Increases of Catalase and Glutathione Peroxidase Expressions by Lacosamide Pretreatment Contributes to Neuroprotection Against Experimentally Induced Transient Cerebral Ischemia. Neurochemical Research, 2016, 41, 2380-2390.	1.6	16
118	Down-regulation of cyclin-dependent kinase 5 attenuates p53-dependent apoptosis of hippocampal CA1 pyramidal neurons following transient cerebral ischemia. Scientific Reports, 2019, 9, 13032.	1.6	16
119	Age-related change of calbindin D-28k immunoreactive neurons in the rat main olfactory bulb. Neuroscience Letters, 2002, 326, 159-162.	1.0	15
120	Age-related changes of Î³-aminobutyric acid transaminase immunoreactivity in the hippocampus and dentate gyrus of the Mongolian gerbil. Brain Research, 2004, 1017, 77-84.	1.1	15
121	Changes in the expression of calbindin D-28k in the gerbil hippocampus following seizure. Neurochemistry International, 2004, 44, 145-152.	1.9	15
122	Seizure-induced changes of mineralocorticoid and glucocorticoid receptors in the hippocampus in seizure sensitive gerbils. Neuroscience Research, 2005, 53, 14-24.	1.0	15
123	Comparison of immunoreactivities in 4-HNE and superoxide dismutases in the cervical and the lumbar spinal cord between adult and aged dogs. Experimental Gerontology, 2011, 46, 703-708.	1.2	15
124	Valerenic Acid Protects Against Physical and Psychological Stress by Reducing the Turnover of Serotonin and Norepinephrine in Mouse Hippocampus-Amygdala Region. Journal of Medicinal Food, 2015, 18, 1333-1339.	0.8	15
125	Hydroquinone Strongly Alleviates Focal Ischemic Brain Injury via Blockage of Bloodâ€“Brain Barrier Disruption in Rats. Toxicological Sciences, 2016, 154, 430-441.	1.4	15
126	Rufinamide, an antiepileptic drug, improves cognition and increases neurogenesis in the aged gerbil hippocampal dentate gyrus via increasing expressions of IGF-1, IGF-1R and p -CREB. Chemico-Biological Interactions, 2018, 286, 71-77.	1.7	15

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127	Very delayed neuronal loss occurs in the glomerular layer of the main olfactory bulb following transient ischemia in gerbils. Neuroscience Letters, 2004, 366, 272-276.	1.0	14
128	Comparative Study on High Fat Diet-induced 4-Hydroxy-2E-nonenal Adducts in the Hippocampal CA1 Region of C57BL/6N and C3H/HeN Mice. Neurochemical Research, 2009, 34, 964-972.	1.6	14
129	Pregnancy inhibits cell proliferation and neuroblast differentiation without neuronal damage in the hippocampal dentate gyrus in C57BL/6N mice. Brain Research, 2010, 1315, 25-32.	1.1	14
130	Effects of a new synthetic butyrylcholinesterase inhibitor, HBU-39, on cell proliferation and neuroblast differentiation in the hippocampal dentate gyrus in a scopolamine-induced amnesia animal model. Neurochemistry International, 2011, 59, 722-728.	1.9	14
131	Treadmill exercise is associated with reduction of reactive microgliosis and pro-inflammatory cytokine levels in the hippocampus of type 2 diabetic rats. Neurological Research, 2015, 37, 732-738.	0.6	14
132	Hypothyroidism increases cyclooxygenase-2 levels and pro-inflammatory response and decreases cell proliferation and neuroblast differentiation in the hippocampus. Molecular Medicine Reports, 2018, 17, 5782-5788.	1.1	14
133	Melatonin alleviates asphyxial cardiac arrest-induced cerebellar Purkinje cell death by attenuation of oxidative stress. Experimental Neurology, 2019, 320, 112983.	2.0	14
134	Neurons in the hippocampal CA1 region, but not the dentate gyrus, are susceptible to oxidative stress in rats with streptozotocin-induced type 1 diabetes. Neural Regeneration Research, 2015, 10, 451.	1.6	14
135	Cell Proliferation and Neuroblast Differentiation in the Rat Dentate Gyrus After Intrathecal Treatment with Adipose-Derived Mesenchymal Stem Cells. Cellular and Molecular Neurobiology, 2011, 31, 1271-1280.	1.7	13
136	Repeated Administration of PEP-1-Cu,Zn-Superoxide Dismutase and PEP-1-Peroxiredoxin-2 to Senescent Mice Induced by d-galactose Improves the Hippocampal Functions. Neurochemical Research, 2013, 38, 2046-2055.	1.6	13
137	Neuroprotective Effects of Adipose-Derived Stem Cells Are Maintained for 3 Weeks against Ischemic Damage in the Rabbit Spinal Cord. BioMed Research International, 2014, 2014, 1-7.	0.9	13
138	Valeriana officinalis root extract suppresses physical stress by electric shock and psychological stress by nociceptive stimulation-evoked responses by decreasing the ratio of monoamine neurotransmitters to their metabolites. BMC Complementary and Alternative Medicine, 2014, 14, 476.	3.7	13
139	Treadmill exercise prevents diabetes-induced increases in lipid peroxidation and decreases in Cu,Zn-superoxide dismutase levels in the hippocampus of Zucker diabetic fatty rats. Journal of Veterinary Science, 2015, 16, 11.	0.5	13
140	Reduction of adult hippocampal neurogenesis is amplified by aluminum exposure in a model of type 2 diabetes. Journal of Veterinary Science, 2016, 17, 13.	0.5	13
141	Cu, Zn-Superoxide Dismutase Increases the Therapeutic Potential of Adipose-derived Mesenchymal Stem Cells by Maintaining Antioxidant Enzyme Levels. Neurochemical Research, 2016, 41, 3300-3307.	1.6	13
142	Dendropanax morbifera LÃ©veille extract ameliorates D-galactose-induced memory deficits by decreasing inflammatory responses in the hippocampus. Laboratory Animal Research, 2017, 33, 283.	1.1	13
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