

In-Koo Hwang

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

291
papers

4,568
citations

35
h-index

46
g-index

294
ext. papers

5,152
ext. citations

3.9
avg, IF

4.95
L-index

#	Paper	IF	Citations
291	Comparison of the Effects of Cuprizone on Demyelination in the Corpus Callosum and Hippocampal Progenitors in Young Adult and Aged Mice.. <i>Neurochemical Research</i> , 2022 , 47, 1073	4.6	0
290	Neuroprotective Effects of Purpurin Against Ischemic Damage via MAPKs, Bax, and Oxidative Stress Cascades in the Gerbil Hippocampus.. <i>Molecular Neurobiology</i> , 2022 , 1	6.2	0
289	The neuroprotective effects of phosphoglycerate mutase 5 are mediated by decreasing oxidative stress in HT22 hippocampal cells and gerbil hippocampus.. <i>Neurochemistry International</i> , 2022 , 157, 105344	4.4	0
288	Spatial and temporal changes in the PGE2 EP2 receptor in mice hippocampi during postnatal development and its relationship with cyclooxygenase-2. <i>Iranian Journal of Basic Medical Sciences</i> , 2021 , 24, 908-913	1.8	
287	Natural Products in the Prevention of Metabolic Diseases: Lessons Learned from the 20th KAST Frontier Scientists Workshop. <i>Nutrients</i> , 2021 , 13,	6.7	1
286	Extract Decreases Neuronal Damage Induced by Oxidative Stress in HT22 Cells and Ischemia in Gerbils by Reducing the Inflammation and Phosphorylation of MAPKs. <i>Plants</i> , 2021 , 10,	4.5	2
285	Entacapone promotes hippocampal neurogenesis in mice. <i>Neural Regeneration Research</i> , 2021 , 16, 1005-1110	4.5	0
284	Root Extract Ameliorates Ischemia-Induced Neuronal Damage in the Hippocampal CA1 Region by Reducing Neuroinflammation. <i>Nutrients</i> , 2021 , 13,	6.7	1
283	Tat-Endophilin A1 Fusion Protein Protects Neurons from Ischemic Damage in the Gerbil Hippocampus: A Possible Mechanism of Lipid Peroxidation and Neuroinflammation Mitigation as Well as Synaptic Plasticity. <i>Cells</i> , 2021 , 10,	7.9	2
282	Tat-p27 Ameliorates Neuronal Damage Reducing β Synuclein and Inflammatory Responses in Motor Neurons After Spinal Cord Ischemia. <i>Neurochemical Research</i> , 2021 , 46, 3123-3134	4.6	
281	Changes in the expression of the B subunit of vacuolar H-ATPase, in the hippocampus, following transient forebrain ischemia in gerbils.. <i>Iranian Journal of Basic Medical Sciences</i> , 2021 , 24, 1482-1487	1.8	
280	Cuprizone Affects Hypothermia-Induced Neuroprotection and Enhanced Neuroblast Differentiation in the Gerbil Hippocampus after Ischemia. <i>Cells</i> , 2020 , 9,	7.9	4
279	Neuropathological changes in dorsal root ganglia induced by pyridoxine in dogs. <i>BMC Neuroscience</i> , 2020 , 21, 11	3.2	4
278	Differential roles of exogenous protein disulfide isomerase A3 on proliferating cell and neuroblast numbers in the normal and ischemic gerbils. <i>Brain and Behavior</i> , 2020 , 10, e01534	3.4	6
277	Effects of Pyridoxine Deficiency on Hippocampal Function and Its Possible Association with V-Type Proton ATPase Subunit B2 and Heat Shock Cognate Protein 70. <i>Cells</i> , 2020 , 9,	7.9	5
276	High glucose-mediated PICALM and mTORC1 modulate processing of amyloid precursor protein via endosomal abnormalities. <i>British Journal of Pharmacology</i> , 2020 , 177, 3828-3847	8.6	3
275	Beta-nerve growth factor gene therapy alleviates pyridoxine-induced neuropathic damage by increasing doublecortin and tyrosine kinase A in the dorsal root ganglion. <i>Neural Regeneration Research</i> , 2020 , 15, 162-168	4.5	0

274	Phosphoglycerate mutase 1 reduces neuronal damage in the hippocampus following ischemia/reperfusion through the facilitation of energy utilization. <i>Neurochemistry International</i> , 2020 , 133, 104631	4.4	8
273	Ischemia-related changes of fat-mass and obesity-associated protein expression in the gerbil hippocampus. <i>Metabolic Brain Disease</i> , 2020 , 35, 335-342	3.9	2
272	Phosphoglycerate Mutase 1 Prevents Neuronal Death from Ischemic Damage by Reducing Neuroinflammation in the Rabbit Spinal Cord. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	5
271	Changes of fat-mass and obesity-associated protein expression in the hippocampus in animal models of high-fat diet-induced obesity and D-galactose-induced aging. <i>Laboratory Animal Research</i> , 2020 , 36, 20	1.9	1
270	Physical Stress Induced Reduction of Proliferating Cells and Differentiated Neuroblasts Is Ameliorated by Fermented Extract Treatment. <i>Marine Drugs</i> , 2020 , 18,	6	3
269	Tat-Cannabinoid Receptor Interacting Protein Reduces Ischemia-Induced Neuronal Damage and Its Possible Relationship with 14-3-3 σ Cells, 2020 , 9,	7.9	1
268	Pyridoxine Deficiency Exacerbates Neuronal Damage after Ischemia by Increasing Oxidative Stress and Reduces Proliferating Cells and Neuroblasts in the Gerbil Hippocampus. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	5
267	P27 Protects Neurons from Ischemic Damage by Suppressing Oxidative Stress and Increasing Autophagy in the Hippocampus. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	3
266	Down-regulation of cyclin-dependent kinase 5 attenuates p53-dependent apoptosis of hippocampal CA1 pyramidal neurons following transient cerebral ischemia. <i>Scientific Reports</i> , 2019 , 9, 13032	4.9	7
265	Role of pyridoxine in GABA synthesis and degradation in the hippocampus. <i>Tissue and Cell</i> , 2019 , 61, 72-78	2.7	2
264	A 2-Min Transient Ischemia Confers Cerebral Ischemic Tolerance in Non-Obese Gerbils, but Results in Neuronal Death in Obese Gerbils by Increasing Abnormal mTOR Activation-Mediated Oxidative Stress and Neuroinflammation. <i>Cells</i> , 2019 , 8,	7.9	5
263	Risperidone Treatment after Transient Ischemia Induces Hypothermia and Provides Neuroprotection in the Gerbil Hippocampus by Decreasing Oxidative Stress. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	5
262	Effects of long-term exposure to aluminum in the hippocampus in the type 2 diabetes model rats. <i>Toxicology Research</i> , 2019 , 8, 206-215	2.6	1
261	Postnatal changes in constitutive cyclooxygenase-2 expression in the mice hippocampus and its function in synaptic plasticity. <i>Molecular Medicine Reports</i> , 2019 , 19, 1996-2004	2.9	4
260	Tat-HSP70 protects neurons from oxidative damage in the NSC34 cells and ischemic damage in the ventral horn of rabbit spinal cord. <i>Neurochemistry International</i> , 2019 , 129, 104477	4.4	8
259	Methionine-Choline Deprivation Impairs Adult Hippocampal Neurogenesis in C57BL/6 Mice. <i>Journal of Medicinal Food</i> , 2019 , 22, 344-354	2.8	1
258	Leaf extracts from <i>Dendropanax moribifera</i> L'Veille mitigate mercury-induced reduction of spatial memory, as well as cell proliferation, and neuroblast differentiation in rat dentate gyrus. <i>BMC Complementary and Alternative Medicine</i> , 2019 , 19, 94	4.7	3
257	Parvalbumin-immunoreactive cells in the olfactory bulb of the pigeon: Comparison with the rat. <i>Journal of Veterinary Medicine Series C: Anatomia Histologia Embryologia</i> , 2019 , 48, 334-339	1.1	2

256	Adult Hippocampal Neurogenesis Can Be Enhanced by Cold Challenge Independently From Beigeing Effects. <i>Frontiers in Neuroscience</i> , 2019 , 13, 92	5.1	2
255	Improvement in neurogenesis and memory function by administration of <i>Passiflora incarnata</i> L. extract applied to sleep disorder in rodent models. <i>Journal of Chemical Neuroanatomy</i> , 2019 , 98, 27-40	3.2	11
254	Melatonin ameliorates cuprizone-induced reduction of hippocampal neurogenesis, brain-derived neurotrophic factor, and phosphorylation of cyclic AMP response element-binding protein in the mouse dentate gyrus. <i>Brain and Behavior</i> , 2019 , 9, e01388	3.4	16
253	Melatonin alleviates asphyxial cardiac arrest-induced cerebellar Purkinje cell death by attenuation of oxidative stress. <i>Experimental Neurology</i> , 2019 , 320, 112983	5.7	10
252	Pretreatment of <i>Populus tomentiglandulosa</i> protects hippocampal CA1 pyramidal neurons from ischemia-reperfusion injury in gerbils via increasing SODs expressions and maintaining BDNF and IGF-I expressions. <i>Chinese Journal of Natural Medicines</i> , 2019 , 17, 424-434	2.8	9
251	Phosphatidylethanolamine-Binding Protein 1 Ameliorates Ischemia-Induced Inflammation and Neuronal Damage in the Rabbit Spinal Cord. <i>Cells</i> , 2019 , 8,	7.9	3
250	Intermittent fasting increases the expressions of SODs and catalase in granule and polymorphic cells and enhances neuroblast dendrite complexity and maturation in the adult gerbil dentate gyrus. <i>Molecular Medicine Reports</i> , 2019 , 19, 1721-1727	2.9	3
249	Pretreated extract increases anti-inflammatory cytokines, attenuates gliosis, and protects hippocampal neurons following transient global cerebral ischemia in gerbils. <i>Neural Regeneration Research</i> , 2019 , 14, 1536-1543	4.5	7
248	Fate of Astrocytes in The Gerbil Hippocampus After Transient Global Cerebral Ischemia. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	8
247	Heat shock protein 70 increases cell proliferation, neuroblast differentiation, and the phosphorylation of CREB in the hippocampus. <i>Laboratory Animal Research</i> , 2019 , 35, 21	1.9	6
246	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. <i>Biomedicine and Pharmacotherapy</i> , 2019 , 109, 1718-1727	7.5	37
245	Protein disulfide-isomerase A3 significantly reduces ischemia-induced damage by reducing oxidative and endoplasmic reticulum stress. <i>Neurochemistry International</i> , 2019 , 122, 19-30	4.4	27
244	Differential regional infarction, neuronal loss and gliosis in the gerbil cerebral hemisphere following 30 min of unilateral common carotid artery occlusion. <i>Metabolic Brain Disease</i> , 2019 , 34, 223-233	3.9	7
243	Phosphoglycerate Mutase 1 Promotes Cell Proliferation and Neuroblast Differentiation in the Dentate Gyrus by Facilitating the Phosphorylation of cAMP Response Element-Binding Protein. <i>Neurochemical Research</i> , 2019 , 44, 323-332	4.6	10
242	Melatonin attenuates scopolamine-induced cognitive impairment via protecting against demyelination through BDNF-TrkB signaling in the mouse dentate gyrus. <i>Chemico-Biological Interactions</i> , 2018 , 285, 8-13	5	17
241	<i>Dendropanax moribifera</i> L'Veille extract ameliorates cesium-induced inflammation in the kidney and decreases antioxidant enzyme levels in the hippocampus. <i>Molecular and Cellular Toxicology</i> , 2018 , 14, 193-199	1.6	3
240	Brain ischemic preconditioning protects against moderate, not severe, transient global cerebral ischemic injury. <i>Metabolic Brain Disease</i> , 2018 , 33, 1193-1201	3.9	2
239	Long-term treadmill exercise improves memory impairment through restoration of decreased synaptic adhesion molecule 1/2/3 induced by transient cerebral ischemia in the aged gerbil hippocampus. <i>Experimental Gerontology</i> , 2018 , 103, 124-131	4.5	6

238	Neuronal loss and gliosis in the rat striatum subjected to 15 and 30 minutes of middle cerebral artery occlusion. <i>Metabolic Brain Disease</i> , 2018 , 33, 775-784	3.9	10
237	Effects of Scopolamine and Melatonin Cotreatment on Cognition, Neuronal Damage, and Neurogenesis in the Mouse Dentate Gyrus. <i>Neurochemical Research</i> , 2018 , 43, 600-608	4.6	3
236	Hypothyroidism increases cyclooxygenase-2 levels and pro-inflammatory response and decreases cell proliferation and neuroblast differentiation in the hippocampus. <i>Molecular Medicine Reports</i> , 2018 , 17, 5782-5788	2.9	10
235	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. <i>Chemico-Biological Interactions</i> , 2018 , 286, 71-77	5	8
234	Age-dependent changes in vesicular glutamate transporter 1 and 2 expression in the gerbil hippocampus. <i>Molecular Medicine Reports</i> , 2018 , 17, 6465-6471	2.9	3
233	Melatonin Improves Cognitive Deficits via Restoration of Cholinergic Dysfunction in a Mouse Model of Scopolamine-Induced Amnesia. <i>ACS Chemical Neuroscience</i> , 2018 , 9, 2016-2024	5.7	16
232	Phosphatidylethanolamine-binding protein 1 protects CA1 neurons against ischemic damage via ERK-CREB signaling in Mongolian gerbils. <i>Neurochemistry International</i> , 2018 , 118, 265-274	4.4	7
231	Decrease in glucose transporter 1 levels and translocation of glucose transporter 3 in the dentate gyrus of C57BL/6 mice and gerbils with aging. <i>Laboratory Animal Research</i> , 2018 , 34, 58-64	1.9	9
230	Tumor necrosis factor receptor 2 is required for ischemic preconditioning-mediated neuroprotection in the hippocampus following a subsequent longer transient cerebral ischemia. <i>Neurochemistry International</i> , 2018 , 118, 292-303	4.4	3
229	Age-dependent alteration in the expression of oligodendrocyte-specific protein in the gerbil hippocampus. <i>Molecular Medicine Reports</i> , 2018 , 17, 3615-3620	2.9	
228	Changes of myelin basic protein in the hippocampus of an animal model of type 2 diabetes. <i>Laboratory Animal Research</i> , 2018 , 34, 176-184	1.9	5
227	extract improves novel object recognition, cell proliferation, neuroblast differentiation, brain-derived neurotrophic factor, and phosphorylation of cAMP response element-binding protein in the dentate gyrus. <i>Laboratory Animal Research</i> , 2018 , 34, 239-247	1.9	6
226	Age-dependent decreases in insulin-like growth factor-I and its receptor expressions in the gerbil olfactory bulb. <i>Molecular Medicine Reports</i> , 2018 , 17, 8161-8166	2.9	3
225	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. <i>Neurochemistry International</i> , 2018 , 121, 75-85	4.4	15
224	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. <i>Biomedicine and Pharmacotherapy</i> , 2018 , 108, 687-697	7.5	22
223	Metabolomics Analysis of the Lipid-Regulating Effect of in a Hamster Model of High-Fat Diet-Induced Hyperlipidemia by UPLC/ESI-Q-TOF Mass Spectrometry. <i>Evidence-based Complementary and Alternative Medicine</i> , 2018 , 2018, 5659174	2.3	5
222	Extract Promotes Neurogenesis in the Hippocampal Dentate Gyrus of the Adult Mouse through Increasing Expressions of Brain-Derived Neurotrophic Factor and Tropomyosin-Related Kinase B. <i>Chinese Medical Journal</i> , 2018 , 131, 689-695	2.9	5
221	Early IV-injected human dermis-derived mesenchymal stem cells after transient global cerebral ischemia do not pass through damaged blood-brain barrier. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2018 , 12, 1646-1657	4.4	11

220	Proteomic approach to detect changes in hippocampal protein levels in an animal model of type 2 diabetes. <i>Neurochemistry International</i> , 2017 , 108, 246-253	4.4	3
219	CD74-immunoreactive activated M1 microglia are shown late in the gerbil hippocampal CA1 region following transient cerebral ischemia. <i>Molecular Medicine Reports</i> , 2017 , 15, 4148-4154	2.9	16
218	Mammary gland tumors in a male Cocker Spaniel. <i>Acta Veterinaria Scandinavica</i> , 2017 , 59, 20	2	1
217	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. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2017 , 1861, 3142-3153	4	18
216	Expression of Neurotrophin-3 and trkC following Focal Cerebral Ischemia in Adult Rat Brain with Treadmill Exercise. <i>BioMed Research International</i> , 2017 , 2017, 9248542	3	7
215	Comparison of Adult Hippocampal Neurogenesis and Susceptibility to Treadmill Exercise in Nine Mouse Strains. <i>Neural Plasticity</i> , 2017 , 2017, 5863258	3.3	14
214	Temporal and spatial changes of monocarboxylate transporter 4 expression in the hippocampal CA1 region following transient forebrain ischemia in the Mongolian gerbil. <i>Molecular Medicine Reports</i> , 2017 , 15, 4225-4230	2.9	2
213	Age-related change of Iba-1 immunoreactivity in the adult and aged gerbil spinal cord. <i>Anatomy and Cell Biology</i> , 2017 , 50, 135-142	1.4	4
212	Quercetin extract ameliorates D-galactose-induced memory deficits by decreasing inflammatory responses in the hippocampus. <i>Laboratory Animal Research</i> , 2017 , 33, 283-290	1.9	7
211	Chronic administration of SUMO-1 has negative effects on novel object recognition memory as well as cell proliferation and neuroblast differentiation in the mouse dentate gyrus. <i>Molecular Medicine Reports</i> , 2017 , 16, 3427-3432	2.9	3
210	Immunohistochemical localization of glucose transporter 1 and 3 in the scrotal and abdominal testes of a dog. <i>Laboratory Animal Research</i> , 2017 , 33, 114-118	1.9	6
209	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. <i>Neurochemical Research</i> , 2017 , 42, 3149-3159	4.6	16
208	Palmitic Acid-BSA enhances Amyloid- β production through GPR40-mediated dual pathways in neuronal cells: Involvement of the Akt/mTOR/HIF-1 α and Akt/NF- κ B pathways. <i>Scientific Reports</i> , 2017 , 7, 4335	4.9	28
207	Sac-1004, a vascular leakage blocker, reduces cerebral ischemia-reperfusion injury by suppressing blood-brain barrier disruption and inflammation. <i>Journal of Neuroinflammation</i> , 2017 , 14, 122	10.1	49
206	Tat-protein disulfide-isomerase A3: a possible candidate for preventing ischemic damage in the spinal cord. <i>Cell Death and Disease</i> , 2017 , 8, e3075	9.8	19
205	Pretreated 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. <i>Chinese Medical Journal</i> , 2017 , 130, 1796-1803	2.9	12
204	Neuronal maturation in the hippocampal dentate gyrus via chronic oral administration of extract is independent of cyclooxygenase 2 signaling pathway in diet-induced obesity mouse model. <i>Journal of Veterinary Science</i> , 2017 , 18, 119-127	1.6	0
203	Age-associated alterations in constitutively expressed cyclooxygenase-2 immunoreactivity and protein levels in the hippocampus. <i>Molecular Medicine Reports</i> , 2017 , 15, 4333-4337	2.9	4

202	SUMO-1 delays neuronal damage in the spinal cord following ischemia/reperfusion. <i>Molecular Medicine Reports</i> , 2017 , 15, 4312-4318	2.9	2
201	Pretreated quercetin protects gerbil hippocampal CA1 pyramidal neurons from transient cerebral ischemic injury by increasing the expression of antioxidant enzymes. <i>Neural Regeneration Research</i> , 2017 , 12, 220-227	4.5	22
200	Effect of hyperthermia on calbindin-D 28k immunoreactivity in the hippocampal formation following transient global cerebral ischemia in gerbils. <i>Neural Regeneration Research</i> , 2017 , 12, 1458-1464	4.5	3
199	Chronic type 2 diabetes reduces the integrity of the blood-brain barrier by reducing tight junction proteins in the hippocampus. <i>Journal of Veterinary Medical Science</i> , 2016 , 78, 957-62	1.1	38
198	Hydroquinone Strongly Alleviates Focal Ischemic Brain Injury via Blockage of Blood-Brain Barrier Disruption in Rats. <i>Toxicological Sciences</i> , 2016 , 154, 430-441	4.4	15
197	Essential oils from two <i>Allium</i> species exert effects on cell proliferation and neuroblast differentiation in the mouse dentate gyrus by modulating brain-derived neurotrophic factor and acetylcholinesterase. <i>BMC Complementary and Alternative Medicine</i> , 2016 , 16, 431	4.7	9
196	High glucose upregulates BACE1-mediated A β production through ROS-dependent HIF-1 α and LXR β /ABCA1-regulated lipid raft reorganization in SK-N-MC cells. <i>Scientific Reports</i> , 2016 , 6, 36746	4.9	46
195	<i>Dendropanax morbifera</i> L'Veille extract ameliorates cadmium-induced impairment in memory and hippocampal neurogenesis in rats. <i>BMC Complementary and Alternative Medicine</i> , 2016 , 16, 452	4.7	20
194	Effects of L'Veille extract on hypothyroidism-induced oxidative stress in the rat hippocampus. <i>Food Science and Biotechnology</i> , 2016 , 25, 1761-1766	3	4
193	Lack of evidence in neurite growth in the gerbil hippocampal CA1 region 15 days after transient forebrain ischemia. <i>Animal Cells and Systems</i> , 2016 , 20, 237-245	2.3	1
192	Increases of Catalase and Glutathione Peroxidase Expressions by Lacosamide Pretreatment Contributes to Neuroprotection Against Experimentally Induced Transient Cerebral Ischemia. <i>Neurochemical Research</i> , 2016 , 41, 2380-90	4.6	12
191	SP, CGRP changes in pyridoxine induced neuropathic dogs with nerve growth factor gene therapy. <i>BMC Neuroscience</i> , 2016 , 17, 1	3.2	19
190	Heme Oxygenase-1 Protects Neurons from Ischemic Damage by Upregulating Expression of Cu,Zn-Superoxide Dismutase, Catalase, and Brain-Derived Neurotrophic Factor in the Rabbit Spinal Cord. <i>Neurochemical Research</i> , 2016 , 41, 869-79	4.6	11
189	Glucose metabolism and neurogenesis in the gerbil hippocampus after transient forebrain ischemia. <i>Neural Regeneration Research</i> , 2016 , 11, 1254-9	4.5	13
188	Time- and cell-type specific changes in iron, ferritin, and transferrin in the gerbil hippocampal CA1 region after transient forebrain ischemia. <i>Neural Regeneration Research</i> , 2016 , 11, 924-30	4.5	3
187	Differential expression of estrogen receptor β and progesterone receptor in the normal and cryptorchid testis of a dog. <i>Laboratory Animal Research</i> , 2016 , 32, 128-32	1.9	7
186	Sirtuin-2 inhibition affects hippocampal functions and sodium butyrate ameliorates the reduction in novel object memory, cell proliferation, and neuroblast differentiation. <i>Laboratory Animal Research</i> , 2016 , 32, 224-230	1.9	2
185	Effects of aluminum on the reduction of neural stem cells, proliferating cells, and differentiating neuroblasts in the dentate gyrus of D-galactose-treated mice via increasing oxidative stress. <i>Journal of Veterinary Science</i> , 2016 , 17, 127-36	1.6	5

184	Reduction of adult hippocampal neurogenesis is amplified by aluminum exposure in a model of type 2 diabetes. <i>Journal of Veterinary Science</i> , 2016 , 17, 13-20	1.6	12
183	Postnatal changes in glucose transporter 3 expression in the dentate gyrus of the C57BL/6 mouse model. <i>Laboratory Animal Research</i> , 2016 , 32, 1-7	1.9	10
182	Reduction of dynamin 1 in the hippocampus of aged mice is associated with the decline in hippocampal-dependent memory. <i>Molecular Medicine Reports</i> , 2016 , 14, 4755-4760	2.9	4
181	New GABAergic Neurogenesis in the Hippocampal CA1 Region of a Gerbil Model of Long-Term Survival after Transient Cerebral Ischemic Injury. <i>Brain Pathology</i> , 2016 , 26, 581-92	6	35
180	Vanillin and 4-hydroxybenzyl alcohol promotes cell proliferation and neuroblast differentiation in the dentate gyrus of mice via the increase of brain-derived neurotrophic factor and tropomyosin-related kinase B. <i>Molecular Medicine Reports</i> , 2016 , 13, 2949-56	2.9	10
179	Effects of Lŕeille extracts on cadmium and mercury secretion as well as oxidative capacity: A randomized, double-blind, placebo-controlled trial. <i>Biomedical Reports</i> , 2016 , 4, 623-627	1.8	7
178	Dendropanax morbifera Lŕeille extract ameliorates memory impairments and inflammatory responses in the hippocampus of streptozotocin-induced type 1 diabetic rats. <i>Molecular and Cellular Toxicology</i> , 2016 , 12, 429-436	1.6	7
177	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. <i>Neurorehabilitation and Neural Repair</i> , 2016 , 30, 894-905	4.7	43
176	Cu, Zn-Superoxide Dismutase Increases the Therapeutic Potential of Adipose-derived Mesenchymal Stem Cells by Maintaining Antioxidant Enzyme Levels. <i>Neurochemical Research</i> , 2016 , 41, 3300-3307	4.6	8
175	Differential Effects of Pioglitazone in the Hippocampal CA1 Region Following Transient Forebrain Ischemia in Low- and High-Fat Diet-Fed Gerbils. <i>Neurochemical Research</i> , 2015 , 40, 1063-73	4.6	8
174	Valeriana officinalis Extracts Ameliorate Neuronal Damage by Suppressing Lipid Peroxidation in the Gerbil Hippocampus Following Transient Cerebral Ischemia. <i>Journal of Medicinal Food</i> , 2015 , 18, 642-7	2.8	14
173	Antioxidant effects of Dendropanax morbifera Lŕeille extract in the hippocampus of mercury-exposed rats. <i>BMC Complementary and Alternative Medicine</i> , 2015 , 15, 247	4.7	35
172	Valerenic Acid Protects Against Physical and Psychological Stress by Reducing the Turnover of Serotonin and Norepinephrine in Mouse Hippocampus-Amygdala Region. <i>Journal of Medicinal Food</i> , 2015 , 18, 1333-9	2.8	10
171	Changes in the expression of DNA-binding/differentiation protein inhibitors in neurons and glial cells of the gerbil hippocampus following transient global cerebral ischemia. <i>Molecular Medicine Reports</i> , 2015 , 11, 2477-85	2.9	9
170	Increased immunoreactivity of c-Fos in the spinal cord of the aged mouse and dog. <i>Molecular Medicine Reports</i> , 2015 , 11, 1043-8	2.9	1
169	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. <i>Journal of Veterinary Science</i> , 2015 , 16, 11-6	1.6	6
168	Tat-antioxidant 1 protects against stress-induced hippocampal HT-22 cells death and attenuate ischaemic insult in animal model. <i>Journal of Cellular and Molecular Medicine</i> , 2015 , 19, 1333-45	5.6	19
167	Treadmill exercise is associated with reduction of reactive microgliosis and pro-inflammatory cytokine levels in the hippocampus of type 2 diabetic rats. <i>Neurological Research</i> , 2015 , 37, 732-8	2.7	11

166	Ischemic preconditioning protects hippocampal pyramidal neurons from transient ischemic injury via the attenuation of oxidative damage through upregulating heme oxygenase-1. <i>Free Radical Biology and Medicine</i> , 2015 , 79, 78-90	7.8	34
165	Sodium butyrate, a histone deacetylase Inhibitor, ameliorates SIRT2-induced memory impairment, reduction of cell proliferation, and neuroblast differentiation in the dentate gyrus. <i>Neurological Research</i> , 2015 , 37, 69-76	2.7	29
164	Impact of hyperthermia before and during ischemia-reperfusion on neuronal damage and gliosis in the gerbil hippocampus induced by transient cerebral ischemia. <i>Journal of the Neurological Sciences</i> , 2015 , 348, 101-10	3.2	27
163	Neurons in the hippocampal CA1 region, but not the dentate gyrus, are susceptible to oxidative stress in rats with streptozotocin-induced type 1 diabetes. <i>Neural Regeneration Research</i> , 2015 , 10, 451-6	4.5	9
162	Glioblastoma in a Pekingesese. <i>Journal of Veterinary Clinics</i> , 2015 , 32, 544	0.1	
161	Neuroprotective effects of PEP-1-carbonyl reductase 1 against oxidative-stress-induced ischemic neuronal cell damage. <i>Free Radical Biology and Medicine</i> , 2014 , 69, 181-96	7.8	25
160	Additive or synergistic effects of aluminum on the reduction of neural stem cells, cell proliferation, and neuroblast differentiation in the dentate gyrus of high-fat diet-fed mice. <i>Biological Trace Element Research</i> , 2014 , 157, 51-9	4.5	6
159	Neuroprotective effects of Z-ajoene, an organosulfur compound derived from oil-macerated garlic, in the gerbil hippocampal CA1 region after transient forebrain ischemia. <i>Food and Chemical Toxicology</i> , 2014 , 72, 1-7	4.7	18
158	Comparison of N-methyl-D-aspartate receptor subunit 1 and 4-hydroxynonenal in the hippocampus of natural and chemical-induced aging accelerated mice. <i>Neurochemical Research</i> , 2014 , 39, 1702-8	4.6	7
157	Anti-inflammatory effect of tanshinone I in neuroprotection against cerebral ischemia-reperfusion injury in the gerbil hippocampus. <i>Neurochemical Research</i> , 2014 , 39, 1300-12	4.6	59
156	Differences in neuronal damage and gliosis in the hippocampus between young and adult gerbils induced by long duration of transient cerebral ischemia. <i>Journal of the Neurological Sciences</i> , 2014 , 337, 129-36	3.2	20
155	Neuroprotective effect of PEP-1-peroxiredoxin2 on CA1 regions in the hippocampus against ischemic insult. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2014 , 1840, 2321-30	4	22
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18	Antioxidant-like protein 1 is altered in non-pyramidal cells and expressed in astrocytes in the gerbil hippocampal CA1 region after transient forebrain ischemia. <i>Brain Research</i> , 2005 , 1062, 111-9	3.7	4
17	Copper chaperone for Cu,Zn-SOD supplement potentiates the Cu,Zn-SOD function of neuroprotective effects against ischemic neuronal damage in the gerbil hippocampus. <i>Free Radical Biology and Medicine</i> , 2005 , 39, 392-402	7.8	53
16	Age-dependent changes of pyridoxal phosphate synthesizing enzymes immunoreactivities and activities in the gerbil hippocampal CA1 region. <i>Mechanisms of Ageing and Development</i> , 2005 , 126, 1322-30	5.6	3
15	In vivo protein transduction: biologically active intact pep-1-superoxide dismutase fusion protein efficiently protects against ischemic insult. <i>Free Radical Biology and Medicine</i> , 2004 , 37, 1656-69	7.8	104
14	GABAA, not GABAB, receptor shows subunit- and spatial-specific alterations in the hippocampus of seizure prone gerbils. <i>Brain Research</i> , 2004 , 1003, 98-107	3.7	17
13	Chronological alterations of neurofilament 150 immunoreactivity in the gerbil hippocampus and dentate gyrus after transient forebrain ischemia. <i>Brain Research</i> , 2004 , 1016, 119-28	3.7	11
12	Age-related changes of gamma-aminobutyric acid transaminase immunoreactivity in the hippocampus and dentate gyrus of the Mongolian gerbil. <i>Brain Research</i> , 2004 , 1017, 77-84	3.7	15
11	Expression and changes of galanin in neurons and microglia in the hippocampus after transient forebrain ischemia in gerbils. <i>Brain Research</i> , 2004 , 1023, 193-9	3.7	19
10	Ischemia-related change of ceruloplasmin immunoreactivity in neurons and astrocytes in the gerbil hippocampus and dentate gyrus. <i>Neurochemistry International</i> , 2004 , 44, 601-7	4.4	16
9	Expression and changes of endogenous insulin-like growth factor-1 in neurons and glia in the gerbil hippocampus and dentate gyrus after ischemic insult. <i>Neurochemistry International</i> , 2004 , 45, 149-56	4.4	40
8	Very delayed neuronal loss occurs in the glomerular layer of the main olfactory bulb following transient ischemia in gerbils. <i>Neuroscience Letters</i> , 2004 , 366, 272-6	3.3	13
7	Neuroprotective effects of grape seed extract on neuronal injury by inhibiting DNA damage in the gerbil hippocampus after transient forebrain ischemia. <i>Life Sciences</i> , 2004 , 75, 1989-2001	6.8	57
6	Changes in the expression of calbindin D-28k in the gerbil hippocampus following seizure. <i>Neurochemistry International</i> , 2004 , 44, 145-52	4.4	15
5	Changes in parvalbumin immunoreactivity in the parietofrontal cortex after transient forebrain ischemia in the Mongolian gerbil. <i>Molecules and Cells</i> , 2004 , 17, 304-8	3.5	6

4	Chronological alterations of calbindin D-28k immunoreactivity in the gerbil main olfactory bulb after ischemic insult. <i>Brain Research</i> , 2003 , 971, 250-4	3-7	26
3	Age-related changes of parvalbumin immunoreactive neurons in the rat main olfactory bulb. <i>Molecules and Cells</i> , 2003 , 16, 302-6	3-5	10
2	Immunohistochemical studies of brain pyridoxine-5Sphosphate oxidase. <i>Brain Research</i> , 2002 , 925, 159-68	9-7	22
1	Age-related change of calbindin D-28k immunoreactive neurons in the rat main olfactory bulb. <i>Neuroscience Letters</i> , 2002 , 326, 159-62	3-3	14