

Jun-Hwi Cho

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1704952/publications.pdf>

Version: 2024-02-01

102
papers

1,268
citations

331670

21
h-index

501196

28
g-index

102
all docs

102
docs citations

102
times ranked

1272
citing authors

#	ARTICLE	IF	CITATIONS
1	Experimental Pretreatment with Chlorogenic Acid Prevents Transient Ischemia-Induced Cognitive Decline and Neuronal Damage in the Hippocampus through Anti-Oxidative and Anti-Inflammatory Effects. <i>Molecules</i> , 2020, 25, 3578.	3.8	52
2	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.	5.6	50
3	Neuroprotection of ischemic preconditioning is mediated by thioredoxin 2 in the hippocampal CA1 region following a subsequent transient cerebral ischemia. <i>Brain Pathology</i> , 2017, 27, 276-291.	4.1	47
4	Time-course pattern of neuronal loss and gliosis in gerbil hippocampi following mild, severe, or lethal transient global cerebral ischemia. <i>Neural Regeneration Research</i> , 2019, 14, 1394.	3.0	41
5	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, 581-592.	4.1	40
6	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.	2.9	39
7	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.	3.0	39
8	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.	2.4	36
9	Antioxidant Properties of Fucoidan Alleviate Acceleration and Exacerbation of Hippocampal Neuronal Death Following Transient Global Cerebral Ischemia in High-Fat Diet-Induced Obese Gerbils. <i>International Journal of Molecular Sciences</i> , 2019, 20, 554.	4.1	32
10	Pretreated duloxetine protects hippocampal CA1 pyramidal neurons from ischemia-reperfusion injury through decreases of glial activation and oxidative stress. <i>Journal of the Neurological Sciences</i> , 2016, 370, 229-236.	0.6	28
11	Laminarin Pretreatment Provides Neuroprotection against Forebrain Ischemia/Reperfusion Injury by Reducing Oxidative Stress and Neuroinflammation in Aged Gerbils. <i>Marine Drugs</i> , 2020, 18, 213.	4.6	27
12	Ischemic preconditioning-induced neuroprotection against transient cerebral ischemic damage via attenuating ubiquitin aggregation. <i>Journal of the Neurological Sciences</i> , 2014, 336, 74-82.	0.6	26
13	The anti-inflammatory activity of duloxetine, a serotonin/norepinephrine reuptake inhibitor, prevents kainic acid-induced hippocampal neuronal death in mice. <i>Journal of the Neurological Sciences</i> , 2015, 358, 390-397.	0.6	26
14	Neuronal damage and gliosis in the somatosensory cortex induced by various durations of transient cerebral ischemia in gerbils. <i>Brain Research</i> , 2013, 1510, 78-88.	2.2	24
15	Performance of intubation with 4 different airway devices by unskilled rescuers: manikin study. <i>American Journal of Emergency Medicine</i> , 2015, 33, 691-696.	1.6	23
16	Long-term observation of neuronal degeneration and microgliosis in the gerbil dentate gyrus after transient cerebral ischemia. <i>Journal of the Neurological Sciences</i> , 2016, 363, 21-26.	0.6	23
17	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. <i>Neurochemistry International</i> , 2008, 52, 659-668.	3.8	22
18	Novel antiepileptic drug lacosamide exerts neuroprotective effects by decreasing glial activation in the hippocampus of a gerbil model of ischemic stroke. <i>Experimental and Therapeutic Medicine</i> , 2015, 10, 2007-2014.	1.8	22

#	ARTICLE	IF	CITATIONS
19	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.	3.5	22
20	Pre-Treatment with Laminarin Protects Hippocampal CA1 Pyramidal Neurons and Attenuates Reactive Gliosis Following Transient Forebrain Ischemia in Gerbils. <i>Marine Drugs</i> , 2020, 18, 52.	4.6	22
21	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, 129-136.	0.6	21
22	Changes and expressions of Redd1 in neurons and glial cells in the gerbil hippocampus proper following transient global cerebral ischemia. <i>Journal of the Neurological Sciences</i> , 2014, 344, 43-50.	0.6	20
23	Neuroprotection and reduced gliosis by pre- and post-treatments of hydroquinone in a gerbil model of transient cerebral ischemia. <i>Chemico-Biological Interactions</i> , 2017, 278, 230-238.	4.0	19
24	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. <i>Neural Regeneration Research</i> , 2014, 9, 1731.	3.0	17
25	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, 2380-2390.	3.3	16
26	Effects of Chronic Scopolamine Treatment on Cognitive Impairments and Myelin Basic Protein Expression in the Mouse Hippocampus. <i>Journal of Molecular Neuroscience</i> , 2016, 59, 579-589.	2.3	16
27	Rufinamide pretreatment attenuates ischemia-reperfusion injury in the gerbil hippocampus. <i>Neurological Research</i> , 2017, 39, 941-952.	1.3	16
28	Post-treatment with oxcarbazepine confers potent neuroprotection against transient global cerebral ischemic injury by activating Nrf2 defense pathway. <i>Biomedicine and Pharmacotherapy</i> , 2020, 124, 109850.	5.6	16
29	Hydroquinone Strongly Alleviates Focal Ischemic Brain Injury via Blockage of Blood-Brain Barrier Disruption in Rats. <i>Toxicological Sciences</i> , 2016, 154, 430-441.	3.1	15
30	Therapeutic Hypothermia Improves Hind Limb Motor Outcome and Attenuates Oxidative Stress and Neuronal Damage in the Lumbar Spinal Cord Following Cardiac Arrest. <i>Antioxidants</i> , 2020, 9, 38.	5.1	15
31	Transient Cerebral Ischemia Alters GSK-3 β and p-GSK-3 β Immunoreactivity in Pyramidal Neurons and Induces p-GSK-3 β Expression in Astrocytes in the Gerbil Hippocampal CA1 Area. <i>Neurochemical Research</i> , 2017, 42, 2305-2313.	3.3	14
32	Delta neutrophil index: A reliable marker to differentiate perforated appendicitis from non-perforated appendicitis in the elderly. <i>Journal of Clinical Laboratory Analysis</i> , 2018, 32, .	2.1	14
33	Ischemic preconditioning protects neurons from damage and maintains the immunoreactivity of kynurenic acid in the gerbil hippocampal CA1 region following transient cerebral ischemia. <i>International Journal of Molecular Medicine</i> , 2015, 35, 1537-1544.	4.0	13
34	Smartphone-Based Urine Reagent Strip Test in the Emergency Department. <i>Telemedicine Journal and E-Health</i> , 2016, 22, 534-540.	2.8	13
35	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.	2.7	13
36	Neuronal injury and tumor necrosis factor-alpha immunoreactivity in the rat hippocampus in the early period of asphyxia-induced cardiac arrest under normothermia. <i>Neural Regeneration Research</i> , 2017, 12, 2007.	3.0	13

#	ARTICLE	IF	CITATIONS
37	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, 2949-2956.	2.4	12
38	Ischemia-Induced Changes of PRAS40 and p-PRAS40 Immunoreactivities in the Gerbil Hippocampal CA1 Region After Transient Cerebral Ischemia. <i>Cellular and Molecular Neurobiology</i> , 2016, 36, 821-828.	3.3	12
39	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.	3.3	12
40	Pre- and Post-Treatment with Novel Antiepileptic Drug Oxcarbazepine Exerts Neuroprotective Effect in the Hippocampus in a Gerbil Model of Transient Global Cerebral Ischemia. <i>Brain Sciences</i> , 2019, 9, 279.	2.3	12
41	Delayed hippocampal neuronal death in young gerbil following transient global cerebral ischemia is related to higher and longer-term expression of p63 in the ischemic hippocampus. <i>Neural Regeneration Research</i> , 2015, 10, 944.	3.0	12
42	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.	2.9	11
43	Effects of ischemic preconditioning on VEGF and pFlk-1 immunoreactivities in the gerbil ischemic hippocampus after transient cerebral ischemia. <i>Journal of the Neurological Sciences</i> , 2014, 347, 179-187.	0.6	10
44	Transient ischemia-induced change of CCR7 immunoreactivity in neurons and its new expression in astrocytes in the gerbil hippocampus. <i>Journal of the Neurological Sciences</i> , 2014, 336, 203-210.	0.6	10
45	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.	2.8	10
46	Age-dependent decrease of Nurr1 protein expression in the gerbil hippocampus. <i>Biomedical Reports</i> , 2018, 8, 517-522.	2.0	10
47	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, 4621.	4.1	10
48	Fate of Astrocytes in The Gerbil Hippocampus After Transient Global Cerebral Ischemia. <i>International Journal of Molecular Sciences</i> , 2019, 20, 845.	4.1	10
49	Changes in histopathology and tumor necrosis factor- α levels in the hearts of rats following asphyxial cardiac arrest. <i>Clinical and Experimental Emergency Medicine</i> , 2017, 4, 160-167.	1.6	10
50	Monocarboxylate transporter 4 plays a significant role in the neuroprotective mechanism of ischemic preconditioning in transient cerebral ischemia. <i>Neural Regeneration Research</i> , 2015, 10, 1604.	3.0	10
51	Pycnogenol [®] Supplementation Attenuates Memory Deficits and Protects Hippocampal CA1 Pyramidal Neurons via Antioxidative Role in a Gerbil Model of Transient Forebrain Ischemia. <i>Nutrients</i> , 2020, 12, 2477.	4.1	9
52	Effect of ischemic preconditioning on antioxidant status in the gerbil hippocampal CA1 region after transient forebrain ischemia. <i>Neural Regeneration Research</i> , 2016, 11, 1081.	3.0	9
53	Hyperthermic preconditioning severely accelerates neuronal damage in the gerbil ischemic hippocampal dentate gyrus via decreasing SODs expressions. <i>Journal of the Neurological Sciences</i> , 2015, 358, 266-275.	0.6	8
54	Effects of long-term post-ischemic treadmill exercise on gliosis in the aged gerbil hippocampus induced by transient cerebral ischemia. <i>Molecular Medicine Reports</i> , 2017, 15, 3623-3630.	2.4	8

#	ARTICLE	IF	CITATIONS
55	Time-Course Changes and New Expressions of MIP-3 β and Its Receptor, CCR6, in the Gerbil Hippocampal CA1 Area Following Transient Global Cerebral Ischemia. <i>Neurochemical Research</i> , 2018, 43, 2102-2110.	3.3	8
56	New decision formulas for predicting endotracheal tube depth in children: analysis of neck CT images. <i>Emergency Medicine Journal</i> , 2018, 35, emermed-2017-206795.	1.0	7
57	Age-dependent decreases in insulin-like growth factor-1 and its receptor expressions in the gerbil olfactory bulb. <i>Molecular Medicine Reports</i> , 2018, 17, 8161-8166.	2.4	7
58	The relationship between low survival and acute increase of tumor necrosis factor β expression in the lung in a rat model of asphyxial cardiac arrest. <i>Anatomy and Cell Biology</i> , 2018, 51, 128.	1.0	7
59	Efficacy of low-dose nebulized epinephrine as treatment for croup: A randomized, placebo-controlled, double-blind trial. <i>American Journal of Emergency Medicine</i> , 2019, 37, 2171-2176.	1.6	7
60	High fat diet accelerates and exacerbates microgliosis and neuronal damage/death in the somatosensory cortex after transient forebrain ischemia in gerbils. <i>Laboratory Animal Research</i> , 2020, 36, 28.	2.5	7
61	Activation of immediate-early response gene c-Fos protein in the rat paralimbic cortices after myocardial infarction. <i>Neural Regeneration Research</i> , 2015, 10, 1251.	3.0	7
62	Time interval after ischaemic preconditioning affects neuroprotection and gliosis in the gerbil hippocampal CA1 region induced by transient cerebral ischaemia. <i>Neurological Research</i> , 2016, 38, 210-219.	1.3	6
63	Prehospital Supraglottic Airway Was Associated With Good Neurologic Outcome in Cardiac Arrest Victims Especially Those Who Received Prolonged Cardiopulmonary Resuscitation. <i>Academic Emergency Medicine</i> , 2017, 24, 1464-1473.	1.8	6
64	Fluoro-Jade B histofluorescence staining detects dentate granule cell death after repeated five-minute transient global cerebral ischemia. <i>Metabolic Brain Disease</i> , 2019, 34, 951-956.	2.9	6
65	Comparison between Gel Pad Cooling Device and Water Blanket during Target Temperature Management in Cardiac Arrest Patients. <i>Acute and Critical Care</i> , 2018, 33, 246-251.	1.4	6
66	Therapeutic hypothermia reduces inflammation and oxidative stress in the liver after asphyxial cardiac arrest in rats. <i>Acute and Critical Care</i> , 2020, 35, 286-295.	1.4	6
67	Therapeutic effects of stiripentol against ischemia-reperfusion injury in gerbils focusing on cognitive deficit, neuronal death, astrocyte damage and blood brain barrier leakage in the hippocampus. <i>Korean Journal of Physiology and Pharmacology</i> , 2022, 26, 47-57.	1.2	6
68	Hyperthermia accelerates neuronal loss differently between the hippocampal CA1 and CA2/3 through different HIF-1 β expression after transient ischemia in gerbils. <i>International Journal of Molecular Medicine</i> , 2022, 49, .	4.0	6
69	Astaxanthin Confers a Significant Attenuation of Hippocampal Neuronal Loss Induced by Severe Ischemia-Reperfusion Injury in Gerbils by Reducing Oxidative Stress. <i>Marine Drugs</i> , 2022, 20, 267.	4.6	6
70	Differential activation of c-Fos in the paraventricular nuclei of the hypothalamus and thalamus following myocardial infarction in rats. <i>Molecular Medicine Reports</i> , 2016, 14, 3503-3508.	2.4	5
71	Effects of ischemic preconditioning on PDGF-BB expression in the gerbil hippocampal CA1 region following transient cerebral ischemia. <i>Molecular Medicine Reports</i> , 2017, 16, 1627-1634.	2.4	5
72	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.	3.8	5

#	ARTICLE	IF	CITATIONS
73	Transient forebrain ischemia under hyperthermic condition accelerates memory impairment and neuronal death in the gerbil hippocampus by increasing NMDAR1 expression. <i>Molecular Medicine Reports</i> , 2021, 23, .	2.4	5
74	Comparison of Neuronal Death, Blood-Brain Barrier Leakage and Inflammatory Cytokine Expression in the Hippocampal CA1 Region Following Mild and Severe Transient Forebrain Ischemia in Gerbils. <i>Neurochemical Research</i> , 2021, 46, 2852-2866.	3.3	5
75	<i>Populus tomentiglandulosa</i> Extract Is Rich in Polyphenols and Protects Neurons, Astrocytes, and the Blood-Brain Barrier in Gerbil Striatum Following Ischemia-Reperfusion Injury. <i>Molecules</i> , 2021, 26, 5430.	3.8	5
76	What factors determine the need for lumbar puncture in patients with fever and headache?. <i>Singapore Medical Journal</i> , 2017, 58, 618-622.	0.6	5
77	Comparison of neuronal death and expression of TNF- α and MCT4 in the gerbil hippocampal CA1 region induced by ischemia/reperfusion under hyperthermia to those under normothermia. <i>Molecular Medicine Reports</i> , 2020, 22, 1044-1052.	2.4	5
78	Increased cyclooxygenase-2 and nuclear factor- κ B/p65 expression in mouse hippocampi after systemic administration of tetanus toxin. <i>Molecular Medicine Reports</i> , 2015, 12, 7837-7844.	2.4	4
79	Brain ischemic preconditioning protects against moderate, not severe, transient global cerebral ischemic injury. <i>Metabolic Brain Disease</i> , 2018, 33, 1193-1201.	2.9	4
80	Long-Term Alternating Fasting Increases Interleukin-13 in the Gerbil Hippocampus, But Does Not Protect BBB and Pyramidal Neurons From Ischemia-Reperfusion Injury. <i>Neurochemical Research</i> , 2020, 45, 2352-2363.	3.3	4
81	Neuronal Death in the CNS Autonomic Control Center Comes Very Early after Cardiac Arrest and Is Not Significantly Attenuated by Prompt Hypothermic Treatment in Rats. <i>Cells</i> , 2021, 10, 60.	4.1	4
82	Effects of hypothermia on inflammatory cytokine expression in rat liver following asphyxial cardiac arrest. <i>Experimental and Therapeutic Medicine</i> , 2021, 21, 626.	1.8	4
83	Therapeutic Effects of Risperidone against Spinal Cord Injury in a Rat Model of Asphyxial Cardiac Arrest: A Focus on Body Temperature, Paraplegia, Motor Neuron Damage, and Neuroinflammation. <i>Veterinary Sciences</i> , 2021, 8, 230.	1.7	4
84	Stronger antioxidant enzyme immunoreactivity of extract than ascorbic acid in rat liver and kidney. <i>Iranian Journal of Basic Medical Sciences</i> , 2019, 22, 963-967.	1.0	4
85	Single intramuscular injection of diclofenac sodium in febrile pediatric patients. <i>Indian Journal of Pharmacology</i> , 2015, 47, 275.	0.7	3
86	Failure in neuroprotection of remote limb ischemic postconditioning in the hippocampus of a gerbil model of transient cerebral ischemia. <i>Journal of the Neurological Sciences</i> , 2015, 358, 377-384.	0.6	3
87	Effects of regional body temperature variation during asphyxial cardiac arrest on mortality and brain damage in a rat model. <i>Journal of Thermal Biology</i> , 2020, 87, 102466.	2.5	3
88	The potential mechanism of the detrimental effect of defibrillation prior to cardiopulmonary resuscitation in prolonged cardiac arrest model. <i>Laboratory Animal Research</i> , 2014, 30, 79.	2.5	2
89	Increased immunoreactivity of c-Fos in the spinal cord of the aged mouse and dog. <i>Molecular Medicine Reports</i> , 2015, 11, 1043-1048.	2.4	2
90	Ischemic preconditioning maintains the immunoreactivities of glucokinase and glucokinase regulatory protein in neurons of the gerbil hippocampal CA1 region following transient cerebral ischemia. <i>Molecular Medicine Reports</i> , 2015, 12, 4939-4946.	2.4	2

#	ARTICLE	IF	CITATIONS
91	Comparison of age-dependent alterations in thioredoxin 2 and thioredoxin reductase 2 expressions in hippocampi between mice and rats. <i>Laboratory Animal Research</i> , 2021, 37, 11.	2.5	2
92	Increased Calbindin D28k Expression via Long-Term Alternate-Day Fasting Does Not Protect against Ischemia-Reperfusion Injury: A Focus on Delayed Neuronal Death, Gliosis and Immunoglobulin G Leakage. <i>International Journal of Molecular Sciences</i> , 2021, 22, 644.	4.1	2
93	Manikin study showed that counting inflation breaths out loud improved the speed of resuming chest compressions during two-person paediatric cardiopulmonary resuscitation. <i>Acta Paediatrica</i> , <i>International Journal of Paediatrics</i> , 2018, 107, 2120-2124.	1.5	1
94	Intraventricular hemorrhage after acupuncture. <i>Hong Kong Journal of Emergency Medicine</i> , 2018, 25, 223-225.	0.6	1
95	Hypothermic treatment reduces matrix metalloproteinase-9 expression and damage in the liver following asphyxial cardiac arrest in rats. <i>Laboratory Animal Research</i> , 2021, 37, 16.	2.5	1
96	Changes in Cyclin D1, cdk4, and Their Associated Molecules in Ischemic Pyramidal Neurons in Gerbil Hippocampus after Transient Ischemia and Neuroprotective Effects of Ischemic Preconditioning by Keeping the Molecules in the Ischemic Neurons. <i>Biology</i> , 2021, 10, 719.	2.8	1
97	Difference in transient ischemia-induced neuronal damage and glucose transporter-1 immunoreactivity in the hippocampus between adult and young gerbils. <i>Iranian Journal of Basic Medical Sciences</i> , 2016, 19, 521-8.	1.0	1
98	Hypothermia Induced by Oxcarbazepine after Transient Forebrain Ischemia Exerts Therapeutic Neuroprotection through Transient Receptor Potential Vanilloid Type 1 and 4 in Gerbils. <i>International Journal of Molecular Sciences</i> , 2022, 23, 237.	4.1	1
99	Age-dependent alteration in the expression of oligodendrocyte-specific protein in the gerbil hippocampus. <i>Molecular Medicine Reports</i> , 2017, 17, 3615-3620.	2.4	0
100	CD200 Change Is Involved in Neuronal Death in Gerbil Hippocampal CA1 Field Following Transient Forebrain Ischemia and Postischemic Treatment with Risperidone Displays Neuroprotection without CD200 Change. <i>International Journal of Molecular Sciences</i> , 2021, 22, 1116.	4.1	0
101	Age-dependent alterations in the immunoreactivity of macrophage inflammatory protein-3 β and its receptor CCR6 in the gerbil hippocampus. <i>Molecular Medicine Reports</i> , 2020, 22, 1317-1324.	2.4	0
102	Effect of ischemic preconditioning on the expression of c-myb in the CA1 region of the gerbil hippocampus after ischemia/reperfusion injury. <i>Iranian Journal of Basic Medical Sciences</i> , 2016, 19, 624-31.	1.0	0