

Chang-Ju Kim

List of Publications by Year in descending order

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309
papers

7,984
citations

46984

47
h-index

88593

70
g-index

310
all docs

310
docs citations

310
times ranked

8805
citing authors

#	ARTICLE	IF	CITATIONS
1	Treadmill exercise prevents aging-induced failure of memory through an increase in neurogenesis and suppression of apoptosis in rat hippocampus. <i>Experimental Gerontology</i> , 2010, 45, 357-365.	1.2	218
2	Amygdalin Induces Apoptosis through Regulation of Bax and Bcl-2 Expressions in Human DU145 and LNCaP Prostate Cancer Cells. <i>Biological and Pharmaceutical Bulletin</i> , 2006, 29, 1597-1602.	0.6	165
3	Influence of prenatal noise and music on the spatial memory and neurogenesis in the hippocampus of developing rats. <i>Brain and Development</i> , 2006, 28, 109-114.	0.6	133
4	Bee Venom Induces Apoptosis and Inhibits Expression of Cyclooxygenase-2 mRNA in Human Lung Cancer Cell Line NCI-H1299. <i>Journal of Pharmacological Sciences</i> , 2003, 91, 95-104.	1.1	129
5	Maternal swimming during pregnancy enhances short-term memory and neurogenesis in the hippocampus of rat pups. <i>Brain and Development</i> , 2006, 28, 147-154.	0.6	126
6	Inhibition of cytochrome P450 activities by oleanolic acid and ursolic acid in human liver microsomes. <i>Life Sciences</i> , 2004, 74, 2769-2779.	2.0	125
7	Treadmill exercise suppresses nigrostriatal dopaminergic neuronal loss in 6-hydroxydopamine-induced Parkinson's rats. <i>Neuroscience Letters</i> , 2007, 423, 12-17.	1.0	123
8	The influence of maternal treadmill running during pregnancy on short-term memory and hippocampal cell survival in rat pups. <i>International Journal of Developmental Neuroscience</i> , 2007, 25, 243-249.	0.7	120
9	Berberine prevents nigrostriatal dopaminergic neuronal loss and suppresses hippocampal apoptosis in mice with Parkinson's disease. <i>International Journal of Molecular Medicine</i> , 2014, 33, 870-878.	1.8	120
10	Treadmill exercise ameliorates dopaminergic neuronal loss through suppressing microglial activation in Parkinson's disease mice. <i>Life Sciences</i> , 2012, 91, 1309-1316.	2.0	107
11	Acupuncture prevents 6-hydroxydopamine-induced neuronal death in the nigrostriatal dopaminergic system in the rat Parkinson's disease model. <i>Experimental Neurology</i> , 2003, 180, 93-98.	2.0	103
12	Treadmill exercise inhibits traumatic brain injury-induced hippocampal apoptosis. <i>Physiology and Behavior</i> , 2010, 101, 660-665.	1.0	98
13	Age-dependence of the effect of treadmill exercise on cell proliferation in the dentate gyrus of rats. <i>Neuroscience Letters</i> , 2004, 355, 152-154.	1.0	96
14	Treadmill exercise and methylphenidate ameliorate symptoms of attention deficit/hyperactivity disorder through enhancing dopamine synthesis and brain-derived neurotrophic factor expression in spontaneous hypertensive rats. <i>Neuroscience Letters</i> , 2011, 504, 35-39.	1.0	95
15	Effects of Oleamide on Choline Acetyltransferase and Cognitive Activities. <i>Bioscience, Biotechnology and Biochemistry</i> , 2003, 67, 1284-1291.	0.6	91
16	Acupuncture increases cell proliferation in dentate gyrus after transient global ischemia in gerbils. <i>Neuroscience Letters</i> , 2001, 297, 21-24.	1.0	88
17	Alcohol and nicotine reduce cell proliferation and enhance apoptosis in dentate gyrus. <i>NeuroReport</i> , 2002, 13, 1509-1513.	0.6	87
18	Dexmedetomidine ameliorates intracerebral hemorrhage-induced memory impairment by inhibiting apoptosis and enhancing brain-derived neurotrophic factor expression in the rat hippocampus. <i>International Journal of Molecular Medicine</i> , 2013, 31, 1047-1056.	1.8	87

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19	Physical exercise prevents cognitive impairment by enhancing hippocampal neuroplasticity and mitochondrial function in doxorubicin-induced chemobrain. <i>Neuropharmacology</i> , 2018, 133, 451-461.	2.0	86
20	Treadmill exercise improves short-term memory by suppressing ischemia-induced apoptosis of neuronal cells in gerbils. <i>Neuroscience Letters</i> , 2004, 372, 256-261.	1.0	85
21	2,4-Di- <i>tert</i> -butylphenol from Sweet Potato Protects Against Oxidative Stress in PC12 Cells and in Mice. <i>Journal of Medicinal Food</i> , 2013, 16, 977-983.	0.8	83
22	Melatonin attenuates amyloid beta ₂₅₋₃₅ -induced apoptosis in mouse microglial BV2 cells. <i>Neuroscience Letters</i> , 2005, 380, 26-31.	1.0	82
23	Effects of postnatal treadmill exercise on apoptotic neuronal cell death and cell proliferation of maternal-separated rat pups. <i>Brain and Development</i> , 2012, 34, 45-56.	0.6	78
24	Protective Effects of Kaempferol (3,4,5,7-tetrahydroxyflavone) against Amyloid Beta Peptide (A β ²⁵⁻³⁵)-Induced Neurotoxicity in ICR Mice. <i>Bioscience, Biotechnology and Biochemistry</i> , 2010, 74, 397-401.	0.6	76
25	Effects of treadmill exercise on memory and c-Fos expression in the hippocampus of the rats with intracerebroventricular injection of streptozotocin. <i>Neuroscience Letters</i> , 2008, 443, 188-192.	1.0	75
26	Depression-like state in maternal rats induced by repeated separation of pups is accompanied by a decrease of cell proliferation and an increase of apoptosis in the hippocampus. <i>Neuroscience Letters</i> , 2010, 470, 86-90.	1.0	74
27	Treadmill exercise improves short-term memory by enhancing neurogenesis in amyloid beta-induced Alzheimer disease rats. <i>Journal of Exercise Rehabilitation</i> , 2014, 10, 2-8.	0.4	74
28	Armeniaca semen Extract Suppresses Lipopolysaccharide-Induced Expressions of Cyclooxygenase-2 and Inducible Nitric Oxide Synthase in Mouse BV2 Microglial Cells. <i>Biological and Pharmaceutical Bulletin</i> , 2005, 28, 449-454.	0.6	73
29	Tadalafil improves short-term memory by suppressing ischemia-induced apoptosis of hippocampal neuronal cells in gerbils. <i>Pharmacology Biochemistry and Behavior</i> , 2009, 91, 629-635.	1.3	72
30	Treadmill exercise reduces spinal cord injury-induced apoptosis by activating the PI3K/Akt pathway in rats. <i>Experimental and Therapeutic Medicine</i> , 2014, 7, 587-593.	0.8	71
31	Treadmill running and swimming increase cell proliferation in the hippocampal dentate gyrus of rats. <i>Neuroscience Letters</i> , 2002, 333, 123-126.	1.0	68
32	Melatonin suppresses NO-induced apoptosis via induction of Bcl-2 expression in PGT-beta immortalized pineal cells. <i>Journal of Pineal Research</i> , 2002, 33, 146-150.	3.4	67
33	Harpagophytum procumbens Suppresses Lipopolysaccharide-Stimulated Expressions of Cyclooxygenase-2 and Inducible Nitric Oxide Synthase in Fibroblast Cell Line L929. <i>Journal of Pharmacological Sciences</i> , 2003, 93, 367-371.	1.1	67
34	Bee venom induces apoptosis through caspase-3 activation in synovial fibroblasts of patients with rheumatoid arthritis. <i>Toxicon</i> , 2005, 46, 39-45.	0.8	66
35	Long-term treadmill exercise overcomes ischemia-induced apoptotic neuronal cell death in gerbils. <i>Physiology and Behavior</i> , 2005, 84, 733-738.	1.0	64
36	Antinociceptive Effect of Amygdalin Isolated from <i>Prunus armeniaca</i> on Formalin-Induced Pain in Rats. <i>Biological and Pharmaceutical Bulletin</i> , 2008, 31, 1559-1564.	0.6	64

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37	Treadmill exercise increases cell proliferation without altering of apoptosis in dentate gyrus of Sprague-Dawley rats. <i>Life Sciences</i> , 2002, 71, 1331-1340.	2.0	63
38	Electroacupuncture attenuates mechanical and warm allodynia through suppression of spinal glial activation in a rat model of neuropathic pain. <i>Brain Research Bulletin</i> , 2011, 86, 403-411.	1.4	57
39	Inhibitory Effects of Isoquinoline Alkaloid Berberine on Ischemia-Induced Apoptosis via Activation of Phosphoinositide 3-Kinase/Protein Kinase B Signaling Pathway. <i>International Neurourology Journal</i> , 2014, 18, 115.	0.5	55
40	Treadmill exercise increases cell proliferation in dentate gyrus of rats with streptozotocin-induced diabetes. <i>Journal of Diabetes and Its Complications</i> , 2003, 17, 29-33.	1.2	54
41	Treadmill exercise suppresses ischemia-induced increment in apoptosis and cell proliferation in hippocampal dentate gyrus of gerbils. <i>Life Sciences</i> , 2003, 73, 2455-2465.	2.0	54
42	Effect of acupuncture on 6-hydroxydopamine-induced nigrostratal dopaminergic neuronal cell death in rats. <i>Neuroscience Letters</i> , 2005, 384, 133-138.	1.0	52
43	Treadmill exercise ameliorates symptoms of methimazole-induced hypothyroidism through enhancing neurogenesis and suppressing apoptosis in the hippocampus of rat pups. <i>International Journal of Developmental Neuroscience</i> , 2013, 31, 214-223.	0.7	52
44	Meal Time Shift Disturbs Circadian Rhythmicity along with Metabolic and Behavioral Alterations in Mice. <i>PLoS ONE</i> , 2012, 7, e44053.	1.1	50
45	Treadmill exercise improves behavioral outcomes and spatial learning memory through up-regulation of reelin signaling pathway in autistic rats. <i>Journal of Exercise Rehabilitation</i> , 2013, 9, 220-229.	0.4	50
46	Modulation of High-Voltage Activated Ca ²⁺ Channels in the Rat Periaqueductal Gray Neurons by μ -Type Opioid Agonist. <i>Journal of Neurophysiology</i> , 1997, 77, 1418-1424.	0.9	49
47	<i>Punica granatum</i> Protects Against Oxidative Stress in PC12 Cells and Oxidative Stress-Induced Alzheimer's Symptoms in Mice. <i>Journal of Medicinal Food</i> , 2011, 14, 695-701.	0.8	49
48	Treadmill exercise ameliorates apoptotic cell death in the retinas of diabetic rats. <i>Molecular Medicine Reports</i> , 2013, 7, 1745-1750.	1.1	49
49	Treadmill exercise alleviates short-term memory impairment in 6-hydroxydopamine-induced Parkinson's rats. <i>Journal of Exercise Rehabilitation</i> , 2013, 9, 354-361.	0.4	49
50	Alcohol induces apoptosis in TM3 mouse Leydig cells via bax-dependent caspase-3 activation. <i>European Journal of Pharmacology</i> , 2002, 449, 39-45.	1.7	48
51	Dependence of rat hippocampal c-Fos expression on intensity and duration of exercise. <i>Life Sciences</i> , 2003, 72, 1421-1436.	2.0	48
52	The phosphodiesterase type-5 inhibitor, tadalafil, improves depressive symptoms, ameliorates memory impairment, as well as suppresses apoptosis and enhances cell proliferation in the hippocampus of maternal-separated rat pups. <i>Neuroscience Letters</i> , 2011, 488, 26-30.	1.0	48
53	Exercise Alleviates Cognitive Functions by Enhancing Hippocampal Insulin Signaling and Neuroplasticity in High-Fat Diet-Induced Obesity. <i>Nutrients</i> , 2019, 11, 1603.	1.7	48
54	Anti-Inflammatory and Analgesic Effects of the Aqueous Extract of Corni Fructus in Murine RAW 264.7 Macrophage Cells. <i>Journal of Medicinal Food</i> , 2009, 12, 788-795.	0.8	47

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55	Circadian Rhythms in Urinary Functions: Possible Roles of Circadian Clocks?. International Neurourology Journal, 2011, 15, 64.	0.5	46
56	Inhibitory Effects of Electroacupuncture on Stress Responses Evoked by Tooth-Pulp Stimulation in Rats. Physiology and Behavior, 1999, 66, 217-222.	1.0	45
57	Effect of treadmill exercise on Purkinje cell loss and astrocytic reaction in the cerebellum after traumatic brain injury. Neuroscience Letters, 2010, 481, 178-182.	1.0	44
58	Treadmill Exercise Ameliorates Short-Term Memory Disturbance in Scopolamine-Induced Amnesia Rats. International Neurourology Journal, 2014, 18, 16.	0.5	43
59	Modulation of glycine-induced chloride current in acutely dissociated rat periaqueductal gray neurons by μ -opioid agonist, DAGO. Brain Research, 1996, 734, 72-78.	1.1	42
60	Acupuncture suppresses ischemia-induced increase in c-Fos expression and apoptosis in the hippocampal CA1 region in gerbils. Neuroscience Letters, 2003, 347, 5-8.	1.0	42
61	Protective Effect of Methanol Extract of <i>Uncaria rhynchophylla</i> Against Excitotoxicity Induced by N-Methyl-D-Aspartate in Rat Hippocampus. Journal of Pharmacological Sciences, 2003, 92, 70-73.	1.1	41
62	Amygdalin suppresses lipopolysaccharide-induced expressions of cyclooxygenase-2 and inducible nitric oxide synthase in mouse BV2 microglial cells. Neurological Research, 2007, 29, 59-64.	0.6	41
63	Aerobic Exercise Alleviates Ischemia-Induced Memory Impairment by Enhancing Cell Proliferation and Suppressing Neuronal Apoptosis in Hippocampus. International Neurourology Journal, 2014, 18, 187.	0.5	40
64	Protective Effect of Aqueous Extract of <i>Ginseng radix</i> against 1-Methyl-4-phenylpyridinium-Induced Apoptosis in PC12 Cells. Biological and Pharmaceutical Bulletin, 2003, 26, 1668-1673.	0.6	39
65	Effects of <i>Aralia continentalis</i> on hyperalgesia with peripheral inflammation. Phytotherapy Research, 2005, 19, 511-513.	2.8	39
66	Caffeine inhibits exercise-induced increase in tryptophan hydroxylase expression in dorsal and median raphe of Sprague-Dawley rats. Neuroscience Letters, 2001, 308, 25-28.	1.0	38
67	Treadmill exercise decreases intrastriatal hemorrhage-induced neuronal cell death via suppression on caspase-3 expression in rats. Neuroscience Letters, 2003, 352, 33-36.	1.0	38
68	Early treadmill exercise decreases intrastriatal hemorrhage-induced neuronal cell death and increases cell proliferation in the dentate gyrus of streptozotocin-induced hyperglycemic rats. Journal of Diabetes and Its Complications, 2005, 19, 339-346.	1.2	38
69	Treadmill exercise ameliorates Alzheimer disease-associated memory loss through the Wnt signaling pathway in the streptozotocin-induced diabetic rats. Journal of Exercise Rehabilitation, 2016, 12, 276-283.	0.4	37
70	Effects of aging and exercise training on mitochondrial function and apoptosis in the rat heart. Pflugers Archiv European Journal of Physiology, 2020, 472, 179-193.	1.3	37
71	Treadmill exercise ameliorates memory impairment through ERK-Akt-CREB-BDNF signaling pathway in cerebral ischemia gerbils. Journal of Exercise Rehabilitation, 2020, 16, 49-57.	0.4	36
72	Nicotine induces apoptosis in TM3 mouse Leydig cells. Fertility and Sterility, 2005, 83, 1093-1099.	0.5	35

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73	Protective Effect of Gabapentin on N-Methyl-D-aspartate-Induced Excitotoxicity in Rat Hippocampal CA1 Neurons. <i>Journal of Pharmacological Sciences</i> , 2009, 109, 144-147.	1.1	35
74	Comparison of GC/MS and LC/MS methods for the analysis of propofol and its metabolites in urine. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2012, 900, 1-10.	1.2	35
75	Treadmill exercise and wheel exercise enhance expressions of neurotrophic factors in the hippocampus of lipopolysaccharide-injected rats. <i>Neuroscience Letters</i> , 2013, 538, 54-59.	1.0	35
76	Acupuncture increases cell proliferation and neuropeptide Y expression in dentate gyrus of streptozotocin-induced diabetic rats. <i>Neuroscience Letters</i> , 2002, 327, 33-36.	1.0	34
77	Treadmill and wheel exercise alleviate lipopolysaccharide-induced short-term memory impairment by enhancing neuronal maturation in rats. <i>Molecular Medicine Reports</i> , 2013, 7, 31-36.	1.1	34
78	Swimming exercise alleviates the symptoms of attention-deficit hyperactivity disorder in spontaneous hypertensive rats. <i>Molecular Medicine Reports</i> , 2013, 8, 393-400.	1.1	33
79	Physical exercise during exposure to 40-Hz light flicker improves cognitive functions in the 3xTg mouse model of Alzheimer's disease. <i>Alzheimer's Research and Therapy</i> , 2020, 12, 62.	3.0	33
80	Late starting treadmill exercise improves spatial learning ability through suppressing CREP/BDNF/TrkB signaling pathway following traumatic brain injury in rats. <i>Journal of Exercise Rehabilitation</i> , 2018, 14, 327-334.	0.4	33
81	Treadmill exercise ameliorates motor disturbance through inhibition of apoptosis in the cerebellum of valproic acid-induced autistic rat pups. <i>Molecular Medicine Reports</i> , 2013, 8, 327-334.	1.1	32
82	Alkaloid fraction of <i>Uncaria rhynchophylla</i> protects against N-methyl-d-aspartate-induced apoptosis in rat hippocampal slices. <i>Neuroscience Letters</i> , 2003, 348, 51-55.	1.0	31
83	Aerobic Exercise Affects Myostatin Expression in Aged Rat Skeletal Muscles: A Possibility of Antiaging Effects of Aerobic Exercise Related With Pelvic Floor Muscle and Urethral Rhabdosphincter. <i>International Neurourology Journal</i> , 2014, 18, 77.	0.5	31
84	Application of concentrated deep sea water inhibits the development of atopic dermatitis-like skin lesions in NC/Nga mice. <i>BMC Complementary and Alternative Medicine</i> , 2012, 12, 108.	3.7	30
85	Treadmill exercise during pregnancy ameliorates post-traumatic stress disorder-induced anxiety-like responses in maternal rats. <i>Molecular Medicine Reports</i> , 2013, 7, 389-395.	1.1	30
86	Modulation of glucocorticoid receptor induction properties by core circadian clock proteins. <i>Molecular and Cellular Endocrinology</i> , 2014, 383, 170-180.	1.6	30
87	The ameliorative effects of exercise on cognitive impairment and white matter injury from blood-brain barrier disruption induced by chronic cerebral hypoperfusion in adolescent rats. <i>Neuroscience Letters</i> , 2017, 638, 83-89.	1.0	30
88	Nitric Oxide Induces Apoptosis in Mouse C2C12 Myoblast Cells. <i>Journal of Pharmacological Sciences</i> , 2005, 97, 369-376.	1.1	29
89	Protective effect of <i>Rosa laevigata</i> against amyloid beta peptide-induced oxidative stress. <i>Amyloid: the International Journal of Experimental and Clinical Investigation: the Official Journal of the International Society of Amyloidosis</i> , 2006, 13, 6-12.	1.4	29
90	Ulinastatin inhibits cerebral ischemia-induced apoptosis in the hippocampus of gerbils. <i>Molecular Medicine Reports</i> , 2015, 12, 1796-1802.	1.1	29

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91	Characterization of Nutritional Composition, Antioxidative Capacity, and Sensory Attributes of Seomae Mugwort, a Native Korean Variety of <i>Artemisia argyi</i> H. L. & Vaniot. <i>Journal of Analytical Methods in Chemistry</i> , 2015, 2015, 1-9.	0.7	29
92	Effects of Tamsulosin on Urinary Bladder Function and Neuronal Activity in the Voiding Centers of Rats with Cyclophosphamide-induced Overactive Bladder. <i>International Neurourology Journal</i> , 2012, 16, 13.	0.5	29
93	Nicotine administration decreases nitric oxide synthase expression in the hypothalamus of food-deprived rats. <i>Neuroscience Letters</i> , 2002, 322, 29-32.	1.0	28
94	Effects of acupuncture on the 5-hydroxytryptamine synthesis and tryptophan hydroxylase expression in the dorsal raphe of exercised rats. <i>Neuroscience Letters</i> , 2002, 332, 17-20.	1.0	28
95	Polydeoxyribonucleotide ameliorates lipopolysaccharide-induced acute lung injury via modulation of the MAPK/NF- κ B signaling pathway in rats. <i>International Immunopharmacology</i> , 2020, 83, 106444.	1.7	28
96	Amiodarone induces apoptosis in L-132 human lung epithelial cell line. <i>Toxicology Letters</i> , 2002, 132, 47-55.	0.4	27
97	Hypothermia inhibits cell proliferation and nitric oxide synthase expression in rats. <i>Neuroscience Letters</i> , 2002, 329, 53-56.	1.0	27
98	Treadmill exercise improves memory by up-regulating dopamine and down-regulating D2 dopamine receptor in traumatic brain injury rats. <i>Journal of Exercise Rehabilitation</i> , 2019, 15, 504-511.	0.4	27
99	Protective effect of <i>Hypericum perforatum</i> Linn (St. John's wort) against hydrogen peroxide-induced apoptosis on human neuroblastoma cells. <i>Neuroscience Letters</i> , 2002, 329, 177-180.	1.0	26
100	Red Ginseng Inhibits Exercise-Induced Increase in 5-Hydroxytryptamine Synthesis and Tryptophan Hydroxylase Expression in Dorsal Raphe of Rats. <i>Journal of Pharmacological Sciences</i> , 2003, 93, 218-221.	1.1	26
101	Liuweidihuang-tang improves spatial memory function and increases neurogenesis in the dentate gyrus in rats. <i>Acupuncture</i> , 2005, 76, 514-519.	1.1	26
102	Impact of Several Types of Stresses on Short-term Memory and Apoptosis in the Hippocampus of Rats. <i>International Neurourology Journal</i> , 2013, 17, 114.	0.5	26
103	Exposure to Music and Noise During Pregnancy Influences Neurogenesis and Thickness in Motor and Somatosensory Cortex of Rat Pups. <i>International Neurourology Journal</i> , 2013, 17, 107.	0.5	26
104	Acute alcohol intoxication decreases cell proliferation and nitric oxide synthase expression in dentate gyrus of rats. <i>Toxicology Letters</i> , 2002, 133, 255-262.	0.4	25
105	Polydeoxyribonucleotide Ameliorates Lipopolysaccharide-Induced Lung Injury by Inhibiting Apoptotic Cell Death in Rats. <i>International Journal of Molecular Sciences</i> , 2017, 18, 1847.	1.8	25
106	Exercise Training Attenuates Obesity-Induced Skeletal Muscle Remodeling and Mitochondria-Mediated Apoptosis in the Skeletal Muscle. <i>International Journal of Environmental Research and Public Health</i> , 2018, 15, 2301.	1.2	25
107	Treadmill exercise improves short-term memory by enhancing hippocampal cell proliferation in quinolinic acid-induced Huntington's disease rats. <i>Journal of Exercise Rehabilitation</i> , 2015, 11, 5-11.	0.4	25
108	Effect of postnatal treadmill exercise on c-Fos expression in the hippocampus of rat pups born from the alcohol-intoxicated mothers. <i>Brain and Development</i> , 2008, 30, 118-125.	0.6	24

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109	Effects of Methoxsalen from <i>Poncirus trifoliata</i> on Acetylcholinesterase and Trimethyltin-Induced Learning and Memory Impairment. <i>Bioscience, Biotechnology and Biochemistry</i> , 2011, 75, 1984-1989.	0.6	24
110	Nicotine administration decreases neuropeptide Y expression and increases leptin receptor expression in the hypothalamus of food-deprived rats. <i>Brain Research</i> , 2003, 964, 311-315.	1.1	23
111	<i>Atractylodes japonica</i> Suppresses Lipopolysaccharide-Stimulated Expressions of Inducible Nitric Oxide Synthase and Cyclooxygenase-2 in RAW 264.7 Macrophages. <i>Biological and Pharmaceutical Bulletin</i> , 2004, 27, 324-327.	0.6	23
112	Voluntary wheel running ameliorates symptoms of MK-801-induced schizophrenia in mice. <i>Molecular Medicine Reports</i> , 2014, 10, 2924-2930.	1.1	23
113	Combined exercise ameliorates ovariectomy-induced cognitive impairment by enhancing cell proliferation and suppressing apoptosis. <i>Menopause</i> , 2016, 23, 18-26.	0.8	23
114	Combination therapy with polydeoxyribonucleotide and proton pump inhibitor enhances therapeutic effectiveness for gastric ulcer in rats. <i>Life Sciences</i> , 2018, 203, 12-19.	2.0	23
115	Physical exercise ameliorates psychiatric disorders and cognitive dysfunctions by hippocampal mitochondrial function and neuroplasticity in post-traumatic stress disorder. <i>Experimental Neurology</i> , 2019, 322, 113043.	2.0	23
116	Polydeoxyribonucleotide Exerts Protective Effect Against CCl4-Induced Acute Liver Injury Through Inactivation of NF- κ B/MAPK Signaling Pathway in Mice. <i>International Journal of Molecular Sciences</i> , 2020, 21, 7894.	1.8	23
117	Treadmill exercise enhances spatial learning ability through suppressing hippocampal apoptosis in Huntington's disease rats. <i>Journal of Exercise Rehabilitation</i> , 2015, 11, 133-139.	0.4	23
118	Treadmill exercise ameliorates nicotine withdrawal-induced symptoms. <i>Journal of Exercise Rehabilitation</i> , 2019, 15, 383-391.	0.4	23
119	Daidzein Activates Choline Acetyltransferase from MC-IXC Cells and Improves Drug-Induced Amnesia. <i>Bioscience, Biotechnology and Biochemistry</i> , 2006, 70, 107-111.	0.6	22
120	Treadmill exercise improves memory function by inhibiting hippocampal apoptosis in pilocarpine-induced epileptic rats. <i>Journal of Exercise Rehabilitation</i> , 2018, 14, 713-723.	0.4	22
121	Effect of Atomoxetine on Hyperactivity in an Animal Model of Attention-Deficit/Hyperactivity Disorder (ADHD). <i>PLoS ONE</i> , 2014, 9, e108918.	1.1	22
122	Dexmedetomidine Ameliorates Sleep Deprivation-Induced Depressive Behaviors in Mice. <i>International Neurology Journal</i> , 2018, 22, S139-146.	0.5	22
123	Acupuncture decreases ischemia-induced apoptosis and cell proliferation in dentate gyrus of gerbils. <i>Neurological Research</i> , 2007, 29, 23-27.	0.6	21
124	Effects of acupuncture on abdominal leak point pressure and c-Fos expression in the brain of rats with stress urinary incontinence. <i>Neuroscience Letters</i> , 2008, 439, 18-23.	1.0	21
125	Ulinastatin suppresses lipopolysaccharide-induced prostaglandin E2 synthesis and nitric oxide production through the downregulation of nuclear factor- κ B in BV2 mouse microglial cells. <i>International Journal of Molecular Medicine</i> , 2013, 31, 1030-1036.	1.8	21
126	Protective Effects of Puerariae flos Against Ethanol-Induced Apoptosis on Human Neuroblastoma Cell Line SK-N-MC. <i>The Japanese Journal of Pharmacology</i> , 2001, 87, 338-342.	1.2	20

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127	Administration of Folium mori Extract Decreases Nitric Oxide Synthase Expression in the Hypothalamus of Streptozotocin-Induced Diabetic Rats. <i>The Japanese Journal of Pharmacology</i> , 2002, 90, 189-192.	1.2	20
128	Effects of <i>Phellinus linteus</i> Administration on Serotonin Synthesis in the Brain and Expression of Monocarboxylate Transporters in the Muscle during Exhaustive Exercise in Rats. <i>Journal of Nutritional Science and Vitaminology</i> , 2011, 57, 95-103.	0.2	20
129	A hippotherapy simulator is effective to shift weight bearing toward the affected side during gait in patients with stroke. <i>NeuroRehabilitation</i> , 2013, 33, 407-412.	0.5	20
130	Treadmill exercise alleviates chronic mild stress-induced depression in rats. <i>Journal of Exercise Rehabilitation</i> , 2015, 11, 303-310.	0.4	20
131	Alcohol and nicotine administration inhibits serotonin synthesis and tryptophan hydroxylase expression in dorsal and median raphe of young rats. <i>Neuroscience Letters</i> , 2002, 329, 141-144.	1.0	19
132	Adenosine A2A-receptor agonist polydeoxyribonucleotide promotes gastric ulcer healing in Mongolian gerbils. <i>Animal Cells and Systems</i> , 2014, 18, 399-406.	0.8	19
133	Betaine inhibits vascularization via suppression of Akt in the retinas of streptozotocin-induced hyperglycemic rats. <i>Molecular Medicine Reports</i> , 2015, 12, 1639-1644.	1.1	19
134	Dexmedetomidine alleviates cerebral ischemia-induced short-term memory impairment by inhibiting the expression of apoptosis-related molecules in the hippocampus of gerbils. <i>Experimental and Therapeutic Medicine</i> , 2017, 13, 107-116.	0.8	19
135	Treadmill exercise alleviates stress-induced impairment of social interaction through 5-hydroxytryptamine 1A receptor activation in rats. <i>Journal of Exercise Rehabilitation</i> , 2015, 11, 192-197.	0.4	19
136	Treadmill exercise suppresses diabetes-induced increment of neuropeptide Y expression in the hypothalamus of rats. <i>Neuroscience Letters</i> , 2003, 346, 157-160.	1.0	18
137	Low Dose Radiation Overcomes Diabetes-induced Suppression of Hippocampal Neuronal Cell Proliferation in Rats. <i>Journal of Korean Medical Science</i> , 2006, 21, 500.	1.1	18
138	Alcohol exposure induces depression-like behavior by decreasing hippocampal neuronal proliferation through inhibition of the BDNF-ERK pathway in gerbils. <i>Animal Cells and Systems</i> , 2012, 16, 190-197.	0.8	18
139	Swimming exercise during pregnancy alleviates pregnancy-associated long-term memory impairment. <i>Physiology and Behavior</i> , 2012, 107, 82-86.	1.0	18
140	Treadmill Exercise Alleviates Aging-induced Apoptosis in Rat Cardiac Myocytes. <i>International Journal of Gerontology</i> , 2013, 7, 152-157.	0.7	18
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