

Il-Gyu Ko

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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.

81
papers

1,161
citations

17
h-index

29
g-index

83
ext. papers

1,353
ext. citations

3
avg, IF

4.35
L-index

#	Paper	IF	Citations
81	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, 357-65	4.5	195
80	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, 1047-56	4.4	71
79	Tadalafil improves short-term memory by suppressing ischemia-induced apoptosis of hippocampal neuronal cells in gerbils. <i>Pharmacology Biochemistry and Behavior</i> , 2009 , 91, 629-35	3.9	64
78	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, 214-23	2.7	45
77	Treadmill exercise and wheel exercise enhance expressions of neurotrophic factors in the hippocampus of lipopolysaccharide-injected rats. <i>Neuroscience Letters</i> , 2013 , 538, 54-9	3.3	34
76	A 12-week rehabilitation program improves body composition, pain sensation, and internal/external torques of baseball pitchers with shoulder impingement symptom. <i>Journal of Exercise Rehabilitation</i> , 2014 , 10, 35-44	1.8	27
75	Treadmill exercise and wheel exercise improve motor function by suppressing apoptotic neuronal cell death in brain inflammation rats. <i>Journal of Exercise Rehabilitation</i> , 2018 , 14, 911-919	1.8	27
74	Ulinastatin inhibits cerebral ischemia-induced apoptosis in the hippocampus of gerbils. <i>Molecular Medicine Reports</i> , 2015 , 12, 1796-802	2.9	25
73	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	1.8	25
72	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, 13-22	2.6	25
71	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, 77-85	2.6	24
70	Swimming exercise alleviates the symptoms of attention-deficit hyperactivity disorder in spontaneous hypertensive rats. <i>Molecular Medicine Reports</i> , 2013 , 8, 393-400	2.9	23
69	Treadmill exercise ameliorates symptoms of attention deficit/hyperactivity disorder through reducing Purkinje cell loss and astrocytic reaction in spontaneous hypertensive rats. <i>Journal of Exercise Rehabilitation</i> , 2014 , 10, 22-30	1.8	22
68	Treadmill exercise improves memory by up-regulating dopamine and down-regulating D dopamine receptor in traumatic brain injury rats. <i>Journal of Exercise Rehabilitation</i> , 2019 , 15, 504-511	1.8	20
67	Polydeoxyribonucleotide Ameliorates Lipopolysaccharide-Induced Lung Injury by Inhibiting Apoptotic Cell Death in Rats. <i>International Journal of Molecular Sciences</i> , 2017 , 18,	6.3	19
66	Adenosine A2A-receptor agonist polydeoxyribonucleotide promotes gastric ulcer healing in Mongolian gerbils. <i>Animal Cells and Systems</i> , 2014 , 18, 399-406	2.3	19
65	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	1.8	19

64	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	5.8	17
63	Combination therapy with polydeoxyribonucleotide and proton pump inhibitor enhances therapeutic effectiveness for gastric ulcer in rats. <i>Life Sciences</i> , 2018 , 203, 12-19	6.8	17
62	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	3.3	16
61	Dexmedetomidine Ameliorates Sleep Deprivation-Induced Depressive Behaviors in Mice. <i>International Neurology Journal</i> , 2018 , 22, S139-146	2.6	15
60	Treadmill exercise ameliorates intracerebral hemorrhage-induced depression in rats. <i>Journal of Exercise Rehabilitation</i> , 2016 , 12, 299-307	1.8	14
59	Age-dependent differences of treadmill exercise on spatial learning ability between young- and adult-age rats. <i>Journal of Exercise Rehabilitation</i> , 2017 , 13, 381-386	1.8	14
58	Effect of Long-term Exercise on Voiding Functions in Obese Elderly Women. <i>International Neurology Journal</i> , 2013 , 17, 130-8	2.6	14
57	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	2.1	13
56	Oral mucosa stem cells alleviates spinal cord injury-induced neurogenic bladder symptoms in rats. <i>Journal of Biomedical Science</i> , 2014 , 21, 43	13.3	13
55	Caffeine enhances micturition through neuronal activation in micturition centers. <i>Molecular Medicine Reports</i> , 2014 , 10, 2931-6	2.9	13
54	Berberine Ameliorates Brain Inflammation in Poloxamer 407-Induced Hyperlipidemic Rats. <i>International Neurology Journal</i> , 2019 , 23, S102-110	2.6	13
53	Aqueous extract of Cordyceps alleviates cerebral ischemia-induced short-term memory impairment in gerbils. <i>Journal of Exercise Rehabilitation</i> , 2016 , 12, 69-78	1.8	12
52	Long-term Surgical and Chemical Castration Deteriorates Memory Function Through Downregulation of PKA/CREB/BDNF and c-Raf/MEK/ERK Pathways in Hippocampus. <i>International Neurology Journal</i> , 2019 , 23, 116-124	2.6	12
51	Treadmill Exercise Improves Memory Function Depending on Circadian Rhythm Changes in Mice. <i>International Neurology Journal</i> , 2016 , 20, S141-149	2.6	12
50	Polydeoxyribonucleotide Ameliorates Inflammation and Apoptosis in Achilles Tendon-Injury Rats. <i>International Neurology Journal</i> , 2020 , 24, 79-87	2.6	11
49	Effects of surgical and chemical castration on spatial learning ability in relation to cell proliferation and apoptosis in hippocampus. <i>International Urology and Nephrology</i> , 2016 , 48, 517-27	2.3	10
48	Proper exercise decreases plasma carcinoembryonic antigen levels with the improvement of body condition in elderly women. <i>Tohoku Journal of Experimental Medicine</i> , 2014 , 233, 17-23	2.4	10
47	Dexmedetomidine, α -adrenoceptor agonist, does not induce apoptosis in the brachial plexus of rats. <i>Animal Cells and Systems</i> , 2014 , 18, 407-415	2.3	10

46	Regular exercise modulates obesity factors and body composition in sturdy men. <i>Journal of Exercise Rehabilitation</i> , 2013 , 9, 256-62	1.8	10
45	Influence of mild traumatic brain injury during pediatric stage on short-term memory and hippocampal apoptosis in adult rats. <i>Journal of Exercise Rehabilitation</i> , 2014 , 10, 148-54	1.8	10
44	Dexmedetomidine Oral Mucosa Patch for Sedation Suppresses Apoptosis in Hippocampus of Normal Rats. <i>International Neurourology Journal</i> , 2017 , 21, S39-47	2.6	10
43	Polydeoxyribonucleotide Exerts Protective Effect Against CCl-Induced Acute Liver Injury Through Inactivation of NF- κ B/MAPK Signaling Pathway in Mice. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	10
42	Polydeoxyribonucleotide Exerts Therapeutic Effect by Increasing VEGF and Inhibiting Inflammatory Cytokines in Ischemic Colitis Rats. <i>BioMed Research International</i> , 2020 , 2020, 2169083	3	9
41	Postnatal treadmill exercise alleviates short-term memory impairment by enhancing cell proliferation and suppressing apoptosis in the hippocampus of rat pups born to diabetic rats. <i>Journal of Exercise Rehabilitation</i> , 2014 , 10, 209-17	1.8	9
40	Pentoxifylline Alleviates Perinatal Hypoxic-Ischemia-Induced Short-term Memory Impairment by Suppressing Apoptosis in the Hippocampus of Rat Pups. <i>International Neurourology Journal</i> , 2016 , 20, 107-13	2.6	9
39	Treadmill Exercise Alleviates Circadian Rhythm Disruption-Induced Memory Deficits by Activation of Glucocorticoid Receptor and Brain-Derived Neurotrophic Factor-Dependent Pathway. <i>International Neurourology Journal</i> , 2019 , 23, S40-49	2.6	9
38	Evaluating the mucoprotective effect of polydeoxyribonucleotide against indomethacin-induced gastropathy via the MAPK/NF- κ B signaling pathway in rats. <i>European Journal of Pharmacology</i> , 2020 , 874, 172952	5.3	8
37	Evaluation of scoring systems without endoscopic findings for predicting outcomes in patients with upper gastrointestinal bleeding. <i>BMC Gastroenterology</i> , 2017 , 17, 159	3	8
36	The effect of inversion traction on pain sensation, lumbar flexibility and trunk muscles strength in patients with chronic low back pain. <i>Isokinetics and Exercise Science</i> , 2013 , 21, 237-246	0.6	8
35	Effect of Polydeoxyribonucleotide on Lipopolysaccharide and Sevoflurane-Induced Postoperative Cognitive dysfunction in Human Neuronal SH-SY5Y Cells. <i>International Neurourology Journal</i> , 2019 , 23, S93-101	2.6	8
34	An animal study to compare the degree of the suppressive effects on the afferent pathways of micturition between tamsulosin and sildenafil. <i>Journal of Biomedical Science</i> , 2013 , 20, 81	13.3	7
33	Afferent Pathway-Mediated Effect of α 1 Adrenergic Antagonist, Tamsulosin, on the Neurogenic Bladder After Spinal Cord Injury. <i>International Neurourology Journal</i> , 2017 , 21, 178-188	2.6	7
32	Add-on Therapy With the α 1 Blockers Tamsulosin and Naftopidil Improves Voiding Function by Enhancing Neuronal Activity in Prostatic Hyperplasia Rats. <i>International Neurourology Journal</i> , 2018 , 22, 20-29	2.6	7
31	Alpha1-Adrenoceptor Antagonists Improve Memory by Activating N-methyl-D-Aspartate-Induced Ion Currents in the Rat Hippocampus. <i>International Neurourology Journal</i> , 2015 , 19, 228-36	2.6	7
30	Swimming Exercise Ameliorates Symptoms of MOG-Induced Experimental Autoimmune Encephalomyelitis by Inhibiting Inflammation and Demyelination in Rats. <i>International Neurourology Journal</i> , 2020 , 24, S39-47	2.6	7
29	Voluntary Wheel Running Improves Spatial Learning Memory by Suppressing Inflammation and Apoptosis via Inactivation of Nuclear Factor Kappa B in Brain Inflammation Rats. <i>International Neurourology Journal</i> , 2020 , 24, 96-103	2.6	7

28	Dexmedetomidine ameliorates memory impairment in sleep-deprived mice. <i>Animal Cells and Systems</i> , 2019 , 23, 371-379	2.3	7
27	Transplantation of human adipose-derived stem cells into the urethra ameliorates stress urinary incontinence and blunts the induction of c-Fos immunoreactivities in brain areas related to micturition in female rats. <i>Animal Cells and Systems</i> , 2010 , 14, 237-244	2.3	6
26	Effects of Combination Treatment of Alpha 1-Adrenergic Receptor Antagonists on Voiding Dysfunction: Study on Target Organs in Overactive Bladder Rats. <i>International Neurourology Journal</i> , 2016 , 20, S150-158	2.6	6
25	Effect of Treadmill Exercise on Leak-point pressure and Neuronal Activation in Brain of Rats with Stress Urinary Incontinence. <i>International Neurourology Journal</i> , 2010 , 14, 141-8	2.6	6
24	Alpha1-adrenergic receptor antagonist tamsulosin ameliorates aging-induced memory impairment by enhancing neurogenesis and suppressing apoptosis in the hippocampus of old-aged rats. <i>Animal Cells and Systems</i> , 2017 , 21, 404-411	2.3	5
23	High-intensity exercise improves cognitive function and hippocampal brain-derived neurotrophic factor expression in obese mice maintained on high-fat diet. <i>Journal of Exercise Rehabilitation</i> , 2020 , 16, 124-131	1.8	5
22	Combination Therapy With Polydeoxyribonucleotide and Pirfenidone Alleviates Symptoms of Acute Respiratory Distress Syndrome in Human Lung Epithelial A549 Cells. <i>International Neurourology Journal</i> , 2020 , 24, S56-64	2.6	5
21	Low-frequency electroacupuncture improves locomotor function after sciatic crushed nerve injury in rats. <i>Journal of Exercise Rehabilitation</i> , 2018 , 14, 927-933	1.8	5
20	Long-term chemical castration induces depressive symptoms by suppressing serotonin expression in rats. <i>Animal Cells and Systems</i> , 2018 , 22, 29-36	2.3	4
19	Effects of rehabilitation program on functional scores and isokinetic torques of knee medial plica-operated patients. <i>Isokinetics and Exercise Science</i> , 2013 , 21, 19-28	0.6	4
18	Neuroprotective effects of bovine colostrum on intracerebral hemorrhage-induced apoptotic neuronal cell death in rats. <i>Neural Regeneration Research</i> , 2012 , 7, 1715-21	4.5	4
17	Adenosine A2A receptor agonist polydeoxyribonucleotide ameliorates short-term memory impairment by suppressing cerebral ischemia-induced inflammation via MAPK pathway. <i>PLoS ONE</i> , 2021 , 16, e0248689	3.7	4
16	Attenuation effect of polydeoxyribonucleotide on inflammatory cytokines and apoptotic factors induced by particulate matter (PM10) damage in human bronchial cells. <i>Journal of Biochemical and Molecular Toxicology</i> , 2021 , 35, e22635	3.4	4
15	Adenosine A Receptor Agonist Polydeoxyribonucleotide Alleviates Interstitial Cystitis-Induced Voiding Dysfunction by Suppressing Inflammation and Apoptosis in Rats. <i>Journal of Inflammation Research</i> , 2021 , 14, 367-378	4.8	4
14	Extract Suppresses Inflammatory and Neuropathic Pain and. <i>Evidence-based Complementary and Alternative Medicine</i> , 2018 , 2018, 5057372	2.3	4
13	Combination of treadmill exercise with bone marrow stromal cells transplantation activates protein synthesis-related molecules in soleus muscle of the spinal cord injured rats. <i>Journal of Exercise Rehabilitation</i> , 2019 , 15, 377-382	1.8	3
12	Neuroprotective effects of tadalafil on gerbil dopaminergic neurons following cerebral ischemia. <i>Neural Regeneration Research</i> , 2013 , 8, 693-701	4.5	3
11	Anti-inflammatory effect of polydeoxyribonucleotide on zoledronic acid-pretreated and lipopolysaccharide-stimulated RAW 264.7 cells. <i>Experimental and Therapeutic Medicine</i> , 2018 , 16, 400-405 ^{2.1}		3

10	Hypothermia alleviates hypoxic ischemia-induced dopamine dysfunction and memory impairment in rats. <i>Animal Cells and Systems</i> , 2011 , 15, 279-286	2.3	2
9	Voluntary Wheel Running Exercise Improves Aging-Induced Sarcopenia via Activation of Peroxisome Proliferator-Activated Receptor Gamma Coactivator-1/Fibronectin Type III Domain-Containing Protein 5/Adenosine Monophosphate-Activated Protein Kinase Signaling Pathway. <i>International Neurourology Journal</i> , 2021 , 25, S27-34	2.6	2
8	Treadmill exercise ameliorates impairment of spatial learning memory in pups born to old and obese mother rats. <i>Journal of Exercise Rehabilitation</i> , 2021 , 17, 234-240	1.8	2
7	Study on the pathogenesis of liver injury caused by alcohol and drugs. <i>Journal of Exercise Rehabilitation</i> , 2021 , 17, 319-323	1.8	1
6	Applications of Basic Experimental and Clinical Research Using Biomarkers. <i>International Neurourology Journal</i> , 2018 , 22, 226-227	2.6	1
5	Resistance Exercise Improves Spatial Learning Ability Through Phosphorylation of 5'Adenosine Monophosphate-Activated Protein Kinase in Parkinson Disease Mice. <i>International Neurourology Journal</i> , 2021 , 25, S55-62	2.6	0
4	An Extracellular Matrix-Liposome Composite, a Novel Extracellular Matrix Delivery System for Accelerated Tissue Regeneration. <i>Advanced Healthcare Materials</i> , 2021 , e2101599	10.1	0
3	Polydeoxyribonucleotide Attenuates Airway Inflammation Through A2AR Signaling Pathway in PM10-Exposed Mice. <i>International Neurourology Journal</i> , 2021 , 25, S19-26	2.6	0
2	Treadmill exercise ameliorates ethanol with lipopolysaccharide and carbon tetrachloride-mediated liver injury in mice.. <i>Journal of Exercise Rehabilitation</i> , 2022 , 18, 28-33	1.8	0
1	Effects of postnatal exercise on apoptotic neuronal cell death and cell proliferation in the maternal-separated rat pups. <i>FASEB Journal</i> , 2007 , 21, A577	0.9	