Il-Gyu Ko

List of Publications by Year in Descending Order

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 ameliorates ethanol with lipopolysaccharide and carbon tetrachloride-mediated liver injury in mice.. *Journal of Exercise Rehabilitation*, **2022**, 18, 28-33	1.8	0
80	Resistance Exercise Improves Spatial Learning Ability Through Phosphorylation of 5′Adenosine Monophosphate-Activated Protein Kinase in Parkinson Disease Mice. *International Neurourology Journal*, **2021**, 25, S55-62	2.6	0
79	An Extracellular Matrix-Liposome Composite, a Novel Extracellular Matrix Delivery System for Accelerated Tissue Regeneration. *Advanced Healthcare Materials*, **2021**, e2101599	10.1	0
78	Study on the pathogenesis of liver injury caused by alcohol and drugs. *Journal of Exercise Rehabilitation*, **2021**, 17, 319-323	1.8	1
77	Adenosine A2A receptor agonist polydeoxyribonucleotide ameliorates short-term memory impairment by suppressing cerebral ischemia-induced inflammation via MAPK pathway. *PLoS ONE*, **2021**, 16, e0248689	3.7	4
76	Polydeoxyribonucleotide Attenuates Airway Inflammation Through A2AR Signaling Pathway in PM10-Exposed Mice. *International Neurourology Journal*, **2021**, 25, S19-26	2.6	0
75	Voluntary Wheel Running Exercise Improves Aging-Induced Sarcopenia via Activation of Peroxisome Proliferator-Activated Receptor Gamma Coactivator-1α/Fibronectin Type III Domain-Containing Protein 5/Adenosine Monophosphate-Activated Protein Kinase Signaling Pathway. *International Neurourology Journal*, **2021**, 25, S27-34	2.6	2
74	Attenuation effect of polydeoxyribonucleotide on inflammatory cytokines and apoptotic factors induced by particulate matter (PM10) damage in human bronchial cells. *Journal of Biochemical and Molecular Toxicology*, **2021**, 35, e22635	3.4	4
73	Adenosine A Receptor Agonist Polydeoxyribonucleotide Alleviates Interstitial Cystitis-Induced Voiding Dysfunction by Suppressing Inflammation and Apoptosis in Rats. *Journal of Inflammation Research*, **2021**, 14, 367-378	4.8	4
72	Treadmill exercise ameliorates impairment of spatial learning memory in pups born to old and obese mother rats. *Journal of Exercise Rehabilitation*, **2021**, 17, 234-240	1.8	2
71	Polydeoxyribonucleotide Exerts Therapeutic Effect by Increasing VEGF and Inhibiting Inflammatory Cytokines in Ischemic Colitis Rats. *BioMed Research International*, **2020**, 2020, 2169083	3	9
70	Evaluating the mucoprotective effect of polydeoxyribonucleotide against indomethacin-induced gastropathy via the MAPK/NF-κB signaling pathway in rats. *European Journal of Pharmacology*, **2020**, 874, 172952	5.3	8
69	Polydeoxyribonucleotide ameliorates lipopolysaccharide-induced acute lung injury via modulation of the MAPK/NF-κB signaling pathway in rats. *International Immunopharmacology*, **2020**, 83, 106444	5.8	17
68	High-intensity exercise improves cognitive function and hippocampal brain-derived neurotrophic factor expression in obese mice maintained on high-fat diet. *Journal of Exercise Rehabilitation*, **2020**, 16, 124-131	1.8	5
67	Combination Therapy With Polydeoxyribonucleotide and Pirfenidone Alleviates Symptoms of Acute Respiratory Distress Syndrome in Human Lung Epithelial A549 Cells. *International Neurourology Journal*, **2020**, 24, S56-64	2.6	5
66	Swimming Exercise Ameliorates Symptoms of MOG-Induced Experimental Autoimmune Encephalomyelitis by Inhibiting Inflammation and Demyelination in Rats. *International Neurourology Journal*, **2020**, 24, S39-47	2.6	7
65	Polydeoxyribonucleotide Ameliorates Inflammation and Apoptosis in Achilles Tendon-Injury Rats. *International Neurourology Journal*, **2020**, 24, 79-87	2.6	11

64	Voluntary Wheel Running Improves Spatial Learning Memory by Suppressing Inflammation and Apoptosis via Inactivation of Nuclear Factor Kappa B in Brain Inflammation Rats. *International Neurourology Journal*, **2020**, 24, 96-103	2.6	7
63	Polydeoxyribonucleotide Exerts Protective Effect Against CCl-Induced Acute Liver Injury Through Inactivation of NF-B/MAPK Signaling Pathway in Mice. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	10
62	Combination of treadmill exercise with bone marrow stromal cells transplantation activates protein synthesis-related molecules in soleus muscle of the spinal cord injured rats. *Journal of Exercise Rehabilitation*, **2019**, 15, 377-382	1.8	3
61	Treadmill exercise improves memory by up-regulating dopamine and down-regulating D dopamine receptor in traumatic brain injury rats. *Journal of Exercise Rehabilitation*, **2019**, 15, 504-511	1.8	20
60	Treadmill Exercise Alleviates Circadian Rhythm Disruption-Induced Memory Deficits by Activation of Glucocorticoid Receptor and Brain-Derived Neurotrophic Factor-Dependent Pathway. *International Neurourology Journal*, **2019**, 23, S40-49	2.6	9
59	Long-term Surgical and Chemical Castration Deteriorates Memory Function Through Downregulation of PKA/CREB/BDNF and c-Raf/MEK/ERK Pathways in Hippocampus. *International Neurourology Journal*, **2019**, 23, 116-124	2.6	12
58	Berberine Ameliorates Brain Inflammation in Poloxamer 407-Induced Hyperlipidemic Rats. *International Neurourology Journal*, **2019**, 23, S102-110	2.6	13
57	Effect of Polydeoxyribonucleotide on Lipopolysaccharide and Sevoflurane-Induced Postoperative Cognitive dysfunction in Human Neuronal SH-SY5Y Cells. *International Neurourology Journal*, **2019**, 23, S93-101	2.6	8
56	Dexmedetomidine ameliorates memory impairment in sleep-deprived mice. *Animal Cells and Systems*, **2019**, 23, 371-379	2.3	7
55	Combination therapy with polydeoxyribonucleotide and proton pump inhibitor enhances therapeutic effectiveness for gastric ulcer in rats. *Life Sciences*, **2018**, 203, 12-19	6.8	17
54	Long-term chemical castration induces depressive symptoms by suppressing serotonin expression in rats. *Animal Cells and Systems*, **2018**, 22, 29-36	2.3	4
53	Late starting treadmill exercise improves spatial leaning ability through suppressing CREP/BDNF/TrkB signaling pathway following traumatic brain injury in rats. *Journal of Exercise Rehabilitation*, **2018**, 14, 327-334	1.8	25
52	Treadmill exercise and wheel exercise improve motor function by suppressing apoptotic neuronal cell death in brain inflammation rats. *Journal of Exercise Rehabilitation*, **2018**, 14, 911-919	1.8	27
51	Add-on Therapy With the Blockers Tamsulosin and Naftopidil Improves Voiding Function by Enhancing Neuronal Activity in Prostatic Hyperplasia Rats. *International Neurourology Journal*, **2018**, 22, 20-29	2.6	7
50	Dexmedetomidine Ameliorates Sleep Deprivation-Induced Depressive Behaviors in Mice. *International Neurourology Journal*, **2018**, 22, S139-146	2.6	15
49	Applications of Basic Experimental and Clinical Research Using Biomarkers. *International Neurourology Journal*, **2018**, 22, 226-227	2.6	1
48	Low-frequency electroacupncture improves locomotor function after sciatic crushed nerve injury in rats. *Journal of Exercise Rehabilitation*, **2018**, 14, 927-933	1.8	5
47	Extract Suppresses Inflammatory and Neuropathic Pain and. *Evidence-based Complementary and Alternative Medicine*, **2018**, 2018, 5057372	2.3	4

46	Anti-inflammatory effect of polydeoxyribonucleotide on zoledronic acid-pretreated and lipopolysaccharide-stimulated RAW 264.7 cells. *Experimental and Therapeutic Medicine*, **2018**, 16, 400-405	2.1	3
45	Dexmedetomidine alleviates cerebral ischemia-induced short-term memory impairment by inhibiting the expression of apoptosis-related molecules in the hippocampus of gerbils. *Experimental and Therapeutic Medicine*, **2017**, 13, 107-116	2.1	13
44	Evaluation of scoring systems without endoscopic findings for predicting outcomes in patients with upper gastrointestinal bleeding. *BMC Gastroenterology*, **2017**, 17, 159	3	8
43	Alpha1-adrenergic receptor antagonist tamsulosin ameliorates aging-induced memory impairment by enhancing neurogenesis and suppressing apoptosis in the hippocampus of old-aged rats. *Animal Cells and Systems*, **2017**, 21, 404-411	2.3	5
42	Polydeoxyribonucleotide Ameliorates Lipopolysaccharide-Induced Lung Injury by Inhibiting Apoptotic Cell Death in Rats. *International Journal of Molecular Sciences*, **2017**, 18,	6.3	19
41	Age-dependent differences of treadmill exercise on spatial learning ability between young- and adult-age rats. *Journal of Exercise Rehabilitation*, **2017**, 13, 381-386	1.8	14
40	Dexmedetomidine Oral Mucosa Patch for Sedation Suppresses Apoptosis in Hippocampus of Normal Rats. *International Neurourology Journal*, **2017**, 21, S39-47	2.6	10
39	Afferent Pathway-Mediated Effect of Adrenergic Antagonist, Tamsulosin, on the Neurogenic Bladder After Spinal Cord Injury. *International Neurourology Journal*, **2017**, 21, 178-188	2.6	7
38	Effects of surgical and chemical castration on spatial learning ability in relation to cell proliferation and apoptosis in hippocampus. *International Urology and Nephrology*, **2016**, 48, 517-27	2.3	10
37	Aqueous extract of Cordyceps alleviates cerebral ischemia-induced short-term memory impairment in gerbils. *Journal of Exercise Rehabilitation*, **2016**, 12, 69-78	1.8	12
36	Treadmill exercise ameliorates intracerebral hemorrhage-induced depression in rats. *Journal of Exercise Rehabilitation*, **2016**, 12, 299-307	1.8	14
35	Pentoxifylline Alleviates Perinatal Hypoxic-Ischemia-Induced Short-term Memory Impairment by Suppressing Apoptosis in the Hippocampus of Rat Pups. *International Neurourology Journal*, **2016**, 20, 107-13	2.6	9
34	Effects of Combination Treatment of Alpha 1-Adrenergic Receptor Antagonists on Voiding Dysfunction: Study on Target Organs in Overactive Bladder Rats. *International Neurourology Journal* , **2016**, 20, S150-158	2.6	6
33	Treadmill Exercise Improves Memory Function Depending on Circadian Rhythm Changes in Mice. *International Neurourology Journal*, **2016**, 20, S141-149	2.6	12
32	Ulinastatin inhibits cerebral ischemia-induced apoptosis in the hippocampus of gerbils. *Molecular Medicine Reports*, **2015**, 12, 1796-802	2.9	25
31	Treadmill exercise improves short-term memory by enhancing hippocampal cell proliferation in quinolinic acid-induced Huntington\x{2019}s disease rats. *Journal of Exercise Rehabilitation*, **2015**, 11, 5-11	1.8	19
30	Alpha1-Adrenoceptor Antagonists Improve Memory by Activating N-methyl-D-Aspartate-Induced Ion Currents in the Rat Hippocampus. *International Neurourology Journal*, **2015**, 19, 228-36	2.6	7
29	Oral mucosa stem cells alleviates spinal cord injury-induced neurogenic bladder symptoms in rats. *Journal of Biomedical Science*, **2014**, 21, 43	13.3	13

28	Caffeine enhances micturition through neuronal activation in micturition centers. *Molecular Medicine Reports*, **2014**, 10, 2931-6	2.9	13
27	Proper exercise decreases plasma carcinoembryonic antigen levels with the improvement of body condition in elderly women. *Tohoku Journal of Experimental Medicine*, **2014**, 233, 17-23	2.4	10
26	A 12-week rehabilitation program improves body composition, pain sensation, and internal/external torques of baseball pitchers with shoulder impingement symptom. *Journal of Exercise Rehabilitation*, **2014**, 10, 35-44	1.8	27
25	Adenosine A2A-receptor agonist polydeoxyribonucleotide promotes gastric ulcer healing in Mongolian gerbils. *Animal Cells and Systems*, **2014**, 18, 399-406	2.3	19
24	Dexmedetomidine, 2-adrenoceptor agonist, does not induce apoptosis in the brachial plexus of rats. *Animal Cells and Systems*, **2014**, 18, 407-415	2.3	10
23	Treadmill exercise ameliorates symptoms of attention deficit/hyperactivity disorder through reducing Purkinje cell loss and astrocytic reaction in spontaneous hypertensive rats. *Journal of Exercise Rehabilitation*, **2014**, 10, 22-30	1.8	22
22	Influence of mild traumatic brain injury during pediatric stage on short-term memory and hippocampal apoptosis in adult rats. *Journal of Exercise Rehabilitation*, **2014**, 10, 148-54	1.8	10
21	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. *Journal of Exercise Rehabilitation*, **2014**, 10, 209-17	1.8	9
20	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. *International Neurourology Journal*, **2014**, 18, 77-85	2.6	24
19	Treadmill exercise and wheel exercise enhance expressions of neutrophic factors in the hippocampus of lipopolysaccharide-injected rats. *Neuroscience Letters*, **2013**, 538, 54-9	3.3	34
18	An animal study to compare the degree of the suppressive effects on the afferent pathways of micturition between tamsulosin and sildenafil. *Journal of Biomedical Science*, **2013**, 20, 81	13.3	7
17	Effects of rehabilitation program on functional scores and isokinetic torques of knee medial plica-operated patients. *Isokinetics and Exercise Science*, **2013**, 21, 19-28	0.6	4
16	Dexmedetomidine ameliorates intracerebral hemorrhage-induced memory impairment by inhibiting apoptosis and enhancing brain-derived neurotrophic factor expression in the rat hippocampus. *International Journal of Molecular Medicine*, **2013**, 31, 1047-56	4.4	71
15	Treadmill exercise ameliorates symptoms of methimazole-induced hypothyroidism through enhancing neurogenesis and suppressing apoptosis in the hippocampus of rat pups. *International Journal of Developmental Neuroscience*, **2013**, 31, 214-23	2.7	45
14	The effect of inversion traction on pain sensation, lumbar flexibility and trunk muscles strength in patients with chronic low back pain. *Isokinetics and Exercise Science*, **2013**, 21, 237-246	0.6	8
13	Swimming exercise alleviates the symptoms of attention-deficit hyperactivity disorder in spontaneous hypertensive rats. *Molecular Medicine Reports*, **2013**, 8, 393-400	2.9	23
12	Regular exercise modulates obesity factors and body composition in sturdy men. *Journal of Exercise Rehabilitation*, **2013**, 9, 256-62	1.8	10
11	Neuroprotective effects of tadalafil on gerbil dopaminergic neurons following cerebral ischemia. *Neural Regeneration Research*, **2013**, 8, 693-701	4.5	3

10	Effect of Long-term Exercise on Voiding Functions in Obese Elderly Women. *International Neurourology Journal*, **2013**, 17, 130-8	2.6	14
9	Neuroprotective effects of bovine colostrum on intracerebral hemorrhage-induced apoptotic neuronal cell death in rats. *Neural Regeneration Research*, **2012**, 7, 1715-21	4.5	4
8	Effects of Tamsulosin on Urinary Bladder Function and Neuronal Activity in the Voiding Centers of Rats with Cyclophosphamide-induced Overactive Bladder. *International Neurourology Journal*, **2012**, 16, 13-22	2.6	25
7	Hypothermia alleviates hypoxic ischemia-induced dopamine dysfunction and memory impairment in rats. *Animal Cells and Systems*, **2011**, 15, 279-286	2.3	2
6	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. *Animal Cells and Systems*, **2010**, 14, 237-244	2.3	6
5	Treadmill exercise prevents aging-induced failure of memory through an increase in neurogenesis and suppression of apoptosis in rat hippocampus. *Experimental Gerontology*, **2010**, 45, 357-65	4.5	195
4	Effect of Treadmill Exercise on Leak-point pressure and Neuronal Activation in Brain of Rats with Stress Urinary Incontinence. *International Neurourology Journal*, **2010**, 14, 141-8	2.6	6
3	Tadalafil improves short-term memory by suppressing ischemia-induced apoptosis of hippocampal neuronal cells in gerbils. *Pharmacology Biochemistry and Behavior*, **2009**, 91, 629-35	3.9	64
2	Effects of acupuncture on abdominal leak point pressure and c-Fos expression in the brain of rats with stress urinary incontinence. *Neuroscience Letters*, **2008**, 439, 18-23	3.3	16
1	Effects of postnatal exercise on apoptotic neuronal cell death and cell proliferation in the maternal-separated rat pups. *FASEB Journal*, **2007**, 21, A577	0.9	