Hyo-Bum Kwak

List of Publications by Year
in descending order

78	2,271	236612	233125
papers	citations	25 h-index	45 g-index

79	79	79	3636
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Circulating micro-RNAs Differentially Expressed in Korean Alzheimerâ€™s Patients With Brain AÎ² Accumulation Activate Amyloidogenesis. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2023, 78, 292-303.	1.7	2
2	Effects of nocturnal light exposure on circadian rhythm and energy metabolism in healthy adults: A randomized crossover trial. Chronobiology International, 2022, 39, 602-612.	0.9	4
3	Role of exercise in estrogen deficiency-induced sarcopenia. Journal of Exercise Rehabilitation, 2022, 18, 2-9.	0.4	9
4	Development of Alzheimerâ€™s Disease Biomarkers: From CSF- to Blood-Based Biomarkers. Biomedicines, 2022, 10, 850.	1.4	19
5	Moderate aerobic exercise training ameliorates impairment of mitochondrial function and dynamics in skeletal muscle of highâ€fat dietâ€induced obese mice. FASEB Journal, 2021, 35, e21340.	0.2	16
6	Personalized Healthcare for Dementia. Healthcare (Switzerland), 2021, 9, 128.	1.0	1
7	The immune modulatory effects of mitochondrial transplantation on cecal slurry model in rat. Critical Care, 2021, 25, 20.	2.5	21
8	Relationships between Socioeconomic Status, Handgrip Strength, and Non-Alcoholic Fatty Liver Disease in Middle-Aged Adults. International Journal of Environmental Research and Public Health, 2021, 18, 1892.	1.2	23
9	Hepatokines as a Molecular Transducer of Exercise. Journal of Clinical Medicine, 2021, 10, 385.	1.0	17
10	Low-intensity treadmill exercise protects cognitive impairment by enhancing cerebellar mitochondrial calcium retention capacity in a rat model of chronic cerebral hypoperfusion. Journal of Exercise Rehabilitation, 2021, 17, 324-330.	0.4	1
11	Exercise Training Attenuates Ovariectomy-Induced Alterations in Skeletal Muscle Remodeling, Apoptotic Signaling, and Atrophy Signaling in Rat Skeletal Muscle. International Neurourology Journal, 2021, 25, S47-54.	0.5	6
12	Effects of cisplatin on mitochondrial function and autophagy-related proteins in skeletal muscle of rats. BMB Reports, 2021, 54, 575-580.	1.1	4
13	Effects of cisplatin on mitochondrial function and autophagy-related proteins in skeletal muscle of rats. BMB Reports, 2021, 54, 575-580.	1.1	0
14	Roles of high mobility group box 1 protein released from endothelial cells with hypoxic injury on neuronal amyloidogenesis. Alzheimer's and Dementia, 2021, 17, e050060.	0.4	0
15	Cardiac adaptation to exercise training in health and disease. Pflugers Archiv European Journal of Physiology, 2020, 472, 155-168.	1.3	26
16	Exercise as a Therapeutic Strategy for Sarcopenia in Heart Failure: Insights into Underlying Mechanisms. Cells, 2020, 9, 2284.	1.8	29
17	Exercise Training Protects against Atorvastatin-Induced Skeletal Muscle Dysfunction and Mitochondrial Dysfunction in the Skeletal Muscle of Rats. Journal of Clinical Medicine, 2020, 9, 2292.	1.0	4
18	Aging Promotes Mitochondria-Mediated Apoptosis in Rat Hearts. Life, 2020, 10, 178.	1.1	13

#	Article	IF	Citations
19	Exercise-Induced Circulating Irisin Level Is Correlated with Improved Cardiac Function in Rats. International Journal of Environmental Research and Public Health, 2020, 17, 3863.	1.2	13
20	Experimental Models of Sarcopenia: Bridging Molecular Mechanism and Therapeutic Strategy. Cells, 2020, 9, 1385.	1.8	70
21	Circadian modulation of the cardiac proteome underpins differential adaptation to morning and evening exercise training: an LC-MS/MS analysis. Pflugers Archiv European Journal of Physiology, 2020, 472, 259-269.	1.3	7
22	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
23	Re-Setting the Circadian Clock Using Exercise against Sarcopenia. International Journal of Molecular Sciences, 2020, 21, 3106.	1.8	25
24	New 20 m Progressive Shuttle Test Protocol and Equation for Predicting the Maximal Oxygen Uptake of Korean Adolescents Aged 13â€“18 Years. International Journal of Environmental Research and Public Health, 2019, 16, 2265.	1.2	2
25	Roles of myokines in exercise-induced improvement of neuropsychiatric function. Pflugers Archiv European Journal of Physiology, 2019, 471, 491-505.	1.3	95
26	Aerobic Exercise Training Decreases Hepatic Asprosin in Diabetic Rats. Journal of Clinical Medicine, 2019, 8, 666.	1.0	40
27	Treadmill Exercise Ameliorates Chemotherapy-Induced Muscle Weakness and Central Fatigue by Enhancing Mitochondrial Function and Inhibiting Apoptosis. International Neurourology Journal, 2019, 23, S32-39.	0.5	19
28	Overexpression of Long-Chain Acyl-CoA Synthetase 5 Increases Fatty Acid Oxidation and Free Radical Formation While Attenuating Insulin Signaling in Primary Human Skeletal Myotubes. International Journal of Environmental Research and Public Health, 2019, 16, 1157.	1.2	14
29	Enrichment of Exosome-Like Extracellular Vesicles from Plasma Suitable for Clinical Vesicular miRNA Biomarker Research. Journal of Clinical Medicine, 2019, 8, 1995.	1.0	32
30	Exercise as A Potential Therapeutic Target for Diabetic Cardiomyopathy: Insight into the Underlying Mechanisms. International Journal of Molecular Sciences, 2019, 20, 6284.	1.8	18
31	The Effects of Anterior Cruciate Ligament Reconstruction on Individual Quadriceps Muscle Thickness and Circulating Biomarkers. International Journal of Environmental Research and Public Health, 2019, 16, 4895.	1.2	13
32	Effects of a single bout of exercise on mitochondria-mediated apoptotic signaling in rat cardiac and skeletal muscles. Journal of Exercise Rehabilitation, 2019, 15, 512-517.	0.4	13
33	Effects of Acute Exercise on Mitochondrial Function, Dynamics, and Mitophagy in Rat Cardiac and Skeletal Muscles. International Neurourology Journal, 2019, 23, S22-31.	0.5	29
34	Exercise and Neuroinflammation in Health and Disease. International Neurourology Journal, 2019, 23, S82-92.	0.5	48
35	Exercise training causes a partial improvement through increasing testosterone and eNOS for erectile function in middle-aged rats. Experimental Gerontology, 2018, 108, 131-138.	1.2	17
36	Physical exercise prevents cognitive impairment by enhancing hippocampal neuroplasticity and mitochondrial function in doxorubicin-induced chemobrain. Neuropharmacology, 2018, 133, 451-461.	2.0	86

#	Article	IF	Citations
37	High Incomplete Skeletal Muscle Fatty Acid Oxidation Explains Low Muscle Insulin Sensitivity in Poorly Controlled T2D. Journal of Clinical Endocrinology and Metabolism, 2018, 103, 882-889.	1.8	17
38	Role of exercise in age-related sarcopenia. Journal of Exercise Rehabilitation, 2018, 14, 551-558.	0.4	153
39	Exercise Training Attenuates Obesity-Induced Skeletal Muscle Remodeling and Mitochondria-Mediated Apoptosis in the Skeletal Muscle. International Journal of Environmental Research and Public Health, 2018, 15, 2301.	1.2	25
40	Ursolic acid in health and disease. Korean Journal of Physiology and Pharmacology, 2018, 22, 235.	0.6	139
41	Aerobic exercise training decreases cereblon and increases AMPK signaling in the skeletal muscle of STZ-induced diabetic rats. Biochemical and Biophysical Research Communications, 2018, 501, 448-453.	1.0	14
42	Roles of Exosome-Like Vesicles Released from Inflammatory C2C12 Myotubes: Regulation of Myocyte Differentiation and Myokine Expression. Cellular Physiology and Biochemistry, 2018, 48, 1829-1842.	1.1	37
43	Effects of aging on mitochondrial hydrogen peroxide emission and calcium retention capacity in rat heart. Journal of Exercise Rehabilitation, 2018, 14, 920-926.	0.4	9
44	Effects of exercise on obesity-induced mitochondrial dysfunction in skeletal muscle. Korean Journal of Physiology and Pharmacology, 2017, 21, 567.	0.6	58
45	Ursolic acid supplementation decreases markers of skeletal muscle damage during resistance training in resistance-trained men: a pilot study. Korean Journal of Physiology and Pharmacology, 2017, 21, 651.	0.6	11
46	Extracellular Vesicles as a Source of Urological Biomarkers: Lessons Learned From Advances and Challenges in Clinical Applications to Major Diseases. International Neurourology Journal, 2017, 21, 83-96.	0.5	14
47	17Beta-estradiol Stimulates Glucose Uptake Through Estrogen Receptor and AMP-activated Protein Kinase Activation in C2C12 Myotubes(Korean J Obes 2016;25:190-6). Journal of Obesity and Metabolic Syndrome, 2017, 26, 76-77.	1.5	0
48	Voluntary stand-up physical activity enhances endurance exercise capacity in rats. Korean Journal of Physiology and Pharmacology, 2016, 20, 287.	0.6	9
49	Treadmill Exercise Improves Memory Function Depending on Circadian Rhythm Changes in Mice. International Neurourology Journal, 2016, 20, S141-149.	0.5	14
50	Effects of environmental temperature on physiological responses during submaximal and maximal exercises in soccer players. Integrative Medicine Research, 2016, 5, 216-222.	0.7	35
51	Core concept of integrative medicine: physical activity. Integrative Medicine Research, 2016, 5, 169-170.	0.7	0
52	Exercise training attenuates age-dependent elevation of angiotensin II type 1 receptor and Nox2 signaling in the rat heart. Experimental Gerontology, 2015, 70, 163-173.	1.2	19
53	Lifelong wheel running exercise and mild caloric restriction attenuate nuclear EndoG in the aging plantaris muscle. Experimental Gerontology, 2015, 69, 122-128.	1.2	10
54	MnSOD Overexpression Reduces Fibrosis and Pro-Apoptotic Signaling in the Aging Mouse Heart. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2015, 70, 533-544.	1.7	43

#	Article	IF	Citations
55	Skeletal Muscle Mitochondria and Insulin Resistance: The Role of Exercise. The Korean Journal of Obesity, 2015, 24, 78-86.	0.2	3
56	Effects of aged garlic extract and endurance exercise on skeletal muscle FNDC-5 and circulating irisin in high-fat-diet rat models. Nutrition Research and Practice, 2014, 8, 177.	0.7	35
57	Role of adiponectin in metabolic and cardiovascular disease. Journal of Exercise Rehabilitation, 2014, 10, 54-59.	0.4	80
58	Effects of interventions on adiponectin and adiponectin receptors. Journal of Exercise Rehabilitation, 2014, 10, 60-68.	0.4	27
59	Statin-induced Myopathy in Skeletal Muscle: the Role of Exercise. Journal of Lifestyle Medicine, 2014, 4, 71-79.	0.3	13
60	Effects of aged garlic extract and endurance exercise on skeletal muscle FNDC-5 and circulating irisin in high-fat-diet rat models. Nutrition Research and Practice, 2014, 8, 177.	0.7	2
61	Exercise and obesity-induced insulin resistance in skeletal muscle. Integrative Medicine Research, 2013, 2, 131-138.	0.7	18
62	Effects of aging and exercise training on apoptosis in the heart. Journal of Exercise Rehabilitation, 2013, 9, 212-219.	0.4	75
63	Aging, exercise, and extracellular matrix in the heart. Journal of Exercise Rehabilitation, 2013, 9, 338-347.	0.4	91
64	Overexpression of Mn superoxide dismutase attenuates age related upâ€regulation of TGFâ€ÃŸ and remodeling in the aging heart. FASEB Journal, 2013, 27, 1194.1.	0.2	0
65	Simvastatin impairs ADP-stimulated respiration and increases mitochondrial oxidative stress in primary human skeletal myotubes. Free Radical Biology and Medicine, 2012, 52, 198-207.	1.3	104
66	Exercise training reduces fibrosis and matrix metalloproteinase dysregulation in the aging rat heart. FASEB Journal, 2011, 25, 1106-1117.	0.2	90
67	Progesterone increases skeletal muscle mitochondrial H₂O₂emission in nonmenopausal women. American Journal of Physiology - Endocrinology and Metabolism, 2011, 300, E528-E535.	1.8	29
68	Exercise Training Reduces Ageâ€Dependent Elevation of Angiotensin II Type 1 receptor and NAD(P)H Oxidase. FASEB Journal, 2011, 25, lb549.	0.2	0
69	Exercise Training Modulates the Nitric Oxide Synthase Profile in Skeletal Muscle From Old Rats. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2009, 64A, 540-549.	1.7	48
70	Hindlimb Unloading Induces a Biphasic Temporal Response of Bclâ€2 Apoptotic Signaling in the Rat Soleus Muscle. FASEB Journal, 2008, 22, 1238.20.	0.2	0
71	Responses of cleaved caspaseâ€8 and â^'12 apoptotic pathways to 12 week treadmill exercise in aging rat skeletal muscle. FASEB Journal, 2008, 22, 753.7.	0.2	1
72	Exercise Training Upregulates Mitochondrial Survival Proteins BAGâ€4 and Thioredoxinâ€2 in the Aging Rat Heart. FASEB Journal, 2008, 22, 753.8.	0.2	0

#	Article	IF	Citations
73	NAD(P)H oxidase inhibition upregulates antiâ€apoptotic BAGâ€4 protein expression in the mdx diaphragm. FASEB Journal, 2008, 22, 959.8.	0.2	1
74	Reloadingâ€induced alterations in IGFâ€1 and HSP70 signaling in the rat soleus following prolonged hindlimb unloading. FASEB Journal, 2007, 21, A950.	0.2	0
75	Exercise Training Attenuates Age-Induced Changes in Apoptotic Signaling in Rat Skeletal Muscle. Antioxidants and Redox Signaling, 2006, 8, 517-528.	2.5	134
76	Exercise training attenuates ageâ€induced elevation in Bax/Bclâ€2 ratio, apoptosis, and remodeling in the rat heart. FASEB Journal, 2006, 20, 791-793.	0.2	138
77	Overexpression of MnSOD reduces oxidative stress and proâ€apoptotic signaling in the aging mouse heart. FASEB Journal, 2006, 20, A1451.	0.2	1
78	Responses of fas/cytokineâ€mediated apoptotic pathway to 12 week treadmill exercise in the aging rat heart. FASEB Journal, 2006, 20, A394.	0.2	0