

Sung Ryul Lee

List of Publications by Year in descending order

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84
papers

1,870
citations

346980

22
h-index

312153

41
g-index

85
all docs

85
docs citations

85
times ranked

3549
citing authors

#	ARTICLE	IF	CITATIONS
1	Aqueous extract of <i>Phragmites communis</i> rhizomes attenuates phototoxicity in skin cells. <i>Molecular and Cellular Toxicology</i> , 2021, 17, 29-40.	0.8	9
2	Phosphorylation in Novel Mitochondrial Creatine Kinase Tyrosine Residues Render Cardioprotection against Hypoxia/Reoxygenation Injury. <i>Journal of Lipid and Atherosclerosis</i> , 2021, 10, 223.	1.1	5
3	Characterization of Phenethyl Cinnamamide Compounds from Hemp Seed and Determination of Their Melanogenesis Inhibitory Activity. <i>ACS Omega</i> , 2021, 6, 31945-31954.	1.6	6
4	Multi-tissue lipotoxicity caused by high-fat diet feeding is attenuated by the supplementation of Korean red ginseng in mice. <i>Molecular and Cellular Toxicology</i> , 2020, 16, 39-50.	0.8	4
5	Supplementation with <i>Cynanchum wilfordii</i> radix extract for 8 weeks lowers serum total cholesterol: A controlled, randomized, double-blind clinical trial. <i>Phytotherapy Research</i> , 2020, 34, 2313-2322.	2.8	3
6	Circadian modulation of the cardiac proteome underpins differential adaptation to morning and evening exercise training: an LC-MS/MS analysis. <i>Pflugers Archiv European Journal of Physiology</i> , 2020, 472, 259-269.	1.3	7
7	Hydrogen Sulfide as a Potential Alternative for the Treatment of Myocardial Fibrosis. <i>Oxidative Medicine and Cellular Longevity</i> , 2020, 2020, 1-14.	1.9	32
8	Anti-osteoporotic effects of <i>Salvia miltiorrhiza</i> Bunge EtOH extract both in ovariectomized and naturally menopausal mouse models. <i>Journal of Ethnopharmacology</i> , 2020, 258, 112874.	2.0	18
9	BH4 activates CaMKK2 and rescues the cardiomyopathic phenotype in rodent models of diabetes. <i>Life Science Alliance</i> , 2020, 3, e201900619.	1.3	10
10	The Aqueous Extract of Radio-Resistant <i>Deinococcus actinosclerus</i> BM2T Suppresses Lipopolysaccharide-Mediated Inflammation in RAW264.7 Cells. <i>Journal of Microbiology and Biotechnology</i> , 2020, 30, 583-590.	0.9	1
11	Tetrahydrobiopterin enhances mitochondrial biogenesis and cardiac contractility via stimulation of PGC1 α signaling. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2019, 1865, 165524.	1.8	12
12	Mitigating effect of fermented Korean red ginseng extract with yeast and probiotics in 1-chloro-2,4-dinitrobenzene-induced skin allergic inflammation. <i>Molecular and Cellular Toxicology</i> , 2019, 15, 111-121.	0.8	2
13	Secondary Fermented Extract of Chaga-Cheonggukjang Attenuates the Effects of Obesity and Suppresses Inflammatory Response in the Liver and Spleen of High-Fat Diet-Induced Obese Mice. <i>Journal of Microbiology and Biotechnology</i> , 2019, 29, 739-748.	0.9	10
14	Ferulic Acid, A Component of <i>Angelica tenuissima</i> Root Extract Induces Anti-Melanogenic and Anti-Oxidative Effects. <i>FASEB Journal</i> , 2019, 33, 672.1.	0.2	0
15	Toxicological Evaluation of <i>Saposhnikovia</i> Radix Water Extract and its Antihyperuricemic Potential. <i>Toxicological Research</i> , 2019, 35, 371-387.	1.1	3
16	Exercise training causes a partial improvement through increasing testosterone and eNOS for erectile function in middle-aged rats. <i>Experimental Gerontology</i> , 2018, 108, 131-138.	1.2	17
17	Gaseous Signaling Molecules in Cardiovascular Function: From Mechanisms to Clinical Translation. <i>Reviews of Physiology, Biochemistry and Pharmacology</i> , 2018, 174, 81-156.	0.9	24
18	Antihyperglycemic and Antilipidemic Effects of the Ethanol Extract Mixture of <i>Ligularia fischeri</i> and <i>Momordica charantia</i> in Type II Diabetes-Mimicking Mice. <i>Evidence-based Complementary and Alternative Medicine</i> , 2018, 2018, 1-15.	0.5	5

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19	Cellular toxicity of zinc can be attenuated by sodium hydrogen sulfide in neuronal SH-SY5Y cell. <i>Molecular and Cellular Toxicology</i> , 2018, 14, 425-436.	0.8	4
20	Protocatechuic Acid Attenuates Trabecular Bone Loss in Ovariectomized Mice. <i>Oxidative Medicine and Cellular Longevity</i> , 2018, 2018, 1-11.	1.9	17
21	The suppressive effect of the three-herb extract mixture on vascular and liver inflammation in atherogenic diet with high fructose-fed mice. <i>Pharmaceutical Biology</i> , 2018, 56, 32-42.	1.3	8
22	Critical Role of Zinc as Either an Antioxidant or a Prooxidant in Cellular Systems. <i>Oxidative Medicine and Cellular Longevity</i> , 2018, 2018, 1-11.	1.9	217
23	Ursolic acid in health and disease. <i>Korean Journal of Physiology and Pharmacology</i> , 2018, 22, 235.	0.6	139
24	Hyperoside suppresses tumor necrosis factor α -mediated vascular inflammatory responses by downregulating mitogen-activated protein kinases and nuclear factor- κ B signaling. <i>Chemico-Biological Interactions</i> , 2018, 294, 48-55.	1.7	20
25	Biotransformation of Pueraria lobata Extract with Lactobacillus rhamnosus vitaP1 Enhances Anti-Melanogenic Activity. <i>Journal of Microbiology and Biotechnology</i> , 2018, 28, 22-31.	0.9	6
26	Decursin and Z-Ligustilide in Angelica tenuissima Root Extract Fermented by Aspergillus oryzae Display Anti-Pigment Activity in Melanoma Cells. <i>Journal of Microbiology and Biotechnology</i> , 2018, 28, 1061-1067.	0.9	6
27	Trends and Advances on Precision Medicine through Scientometric Analysis. <i>FASEB Journal</i> , 2018, 32, 570.6.	0.2	0
28	Suppressive Effect of Fermented Angelica tenuissima Root Extract against Photoaging: Possible Involvement of Hemeoxygenase-1. <i>Journal of Microbiology and Biotechnology</i> , 2018, 28, 1391-1400.	0.9	8
29	Cryopreservation and its clinical applications. <i>Integrative Medicine Research</i> , 2017, 6, 12-18.	0.7	279
30	Sinigrin attenuates the progression of atherosclerosis in ApoE $\alpha^{-/-}$ mice fed a high-cholesterol diet potentially by inhibiting VCAM-1 expression. <i>Chemico-Biological Interactions</i> , 2017, 272, 28-36.	1.7	16
31	Hepatic anti-inflammatory effect of hexane extracts of Dioscorea batatas Decne: Possible suppression of toll-like receptor 4-mediated signaling. <i>Biomedicine and Pharmacotherapy</i> , 2017, 92, 157-167.	2.5	5
32	Mitochondrial Mutations in Cardiac Disorders. <i>Advances in Experimental Medicine and Biology</i> , 2017, 982, 81-111.	0.8	25
33	Renal-protective effects of n-hexane layer from morning glory seeds ethanol extract. <i>Biomedicine and Pharmacotherapy</i> , 2017, 95, 1661-1668.	2.5	7
34	Quinic acid inhibits vascular inflammation in TNF- α -stimulated vascular smooth muscle cells. <i>Biomedicine and Pharmacotherapy</i> , 2017, 96, 563-571.	2.5	60
35	Gamma irradiation-induced liver injury and its amelioration by red ginseng extract. <i>Molecular and Cellular Toxicology</i> , 2017, 13, 461-469.	0.8	18
36	SCN1A Gene Mutation and Adaptive Functioning in 18 Vietnamese Children with Dravet Syndrome.		

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37	Mitochondrial Nucleoid: Shield and Switch of the Mitochondrial Genome. <i>Oxidative Medicine and Cellular Longevity</i> , 2017, 2017, 1-15.	1.9	95
38	Mitochondrial DNA mitochondrial dysfunction and cardiac manifestations. <i>Frontiers in Bioscience - Landmark</i> , 2017, 22, 1177-1194.	3.0	24
39	Ursolic acid supplementation decreases markers of skeletal muscle damage during resistance training in resistance-trained men: a pilot study. <i>Korean Journal of Physiology and Pharmacology</i> , 2017, 21, 651.	0.6	11
40	Mitochondrial Metabolic Inhibition and Cardioprotection. <i>Korean Circulation Journal</i> , 2017, 47, 168.	0.7	3
41	The antiwrinkle and antimelanogenic effects of the nonedible part of (<i>L.</i>) <i>Moench</i> and their augmentation by fermentation. <i>Journal of Cosmetic Science</i> , 2017, 68, 271-283.	0.1	1
42	Voluntary stand-up physical activity enhances endurance exercise capacity in rats. <i>Korean Journal of Physiology and Pharmacology</i> , 2016, 20, 287.	0.6	9
43	Post-Translational Modifications of Cardiac Mitochondrial Proteins in Cardiovascular Disease: Not Lost in Translation. <i>Korean Circulation Journal</i> , 2016, 46, 1.	0.7	18
44	<i>Cynanchum wilfordii</i> Radix attenuates liver fat accumulation and damage by suppressing hepatic cyclooxygenase-2 and mitogen-activated protein kinase in mice fed with a high-fat and high-fructose diet. <i>Nutrition Research</i> , 2016, 36, 914-924.	1.3	15
45	Cereblon in health and disease. <i>Pflugers Archiv European Journal of Physiology</i> , 2016, 468, 1299-1309.	1.3	43
46	Anti-obesity effect of <i>Crinum asiaticum</i> var. <i>japonicum</i> Baker extract in high-fat diet-induced and monogenic obese mice. <i>Biomedicine and Pharmacotherapy</i> , 2016, 82, 35-43.	2.5	17
47	Antiallergic Activity of Ethanol Extracts of <i>Arctium lappa</i> L. Undried Roots and Its Active Compound, Oleamide, in Regulating FcγRI-Mediated and MAPK Signaling in RBL-2H3 Cells. <i>Journal of Agricultural and Food Chemistry</i> , 2016, 64, 3564-3573.	2.4	38
48	Age-related changes in skeletal muscle mitochondria: the role of exercise. <i>Integrative Medicine Research</i> , 2016, 5, 182-186.	0.7	58
49	Tetraspanins: Spanning from solid tumors to hematologic malignancies. <i>Experimental Hematology</i> , 2016, 44, 322-328.	0.2	34
50	The direct modulatory activity of zinc toward ion channels. <i>Integrative Medicine Research</i> , 2015, 4, 142-146.	0.7	29
51	An ethanol root extract of <i>Cynanchum wilfordii</i> containing acetophenones suppresses the expression of VCAM-1 and ICAM-1 in TNF- α -stimulated human aortic smooth muscle cells through the NF- κ B pathway. <i>International Journal of Molecular Medicine</i> , 2015, 35, 915-924.	1.8	24
52	Low abundance of mitochondrial DNA changes mitochondrial status and renders cells resistant to serum starvation and sodium nitroprusside insult. <i>Cell Biology International</i> , 2015, 39, 865-872.	1.4	5
53	The Critical Roles of Zinc: Beyond Impact on Myocardial Signaling. <i>Korean Journal of Physiology and Pharmacology</i> , 2015, 19, 389.	0.6	42
54	Fucoidan from <i>Fucus vesiculosus</i> Protects against Alcohol-Induced Liver Damage by Modulating Inflammatory Mediators in Mice and HepG2 Cells. <i>Marine Drugs</i> , 2015, 13, 1051-1067.	2.2	53

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55	Echinochrome A regulates phosphorylation of phospholamban Ser16 and Thr17 suppressing cardiac SERCA2A Ca ²⁺ reuptake. <i>Pflugers Archiv European Journal of Physiology</i> , 2015, 467, 2151-2163.	1.3	21
56	Influence of starvation on heart contractility and corticosterone level in rats. <i>Pflugers Archiv European Journal of Physiology</i> , 2015, 467, 2351-2360.	1.3	18
57	Effects of aged garlic extract and endurance exercise on skeletal muscle FNDC-5 and circulating irisin in high-fat-diet rat models. <i>Nutrition Research and Practice</i> , 2014, 8, 177.	0.7	35
58	NecroXa€5 suppresses sodium nitroprussidea€1-induced cardiac cell death through inhibition of JNK and caspasea€3 activation. <i>Cell Biology International</i> , 2014, 38, 702-707.	1.4	11
59	Effect of the combinatory mixture of <i>Rubus coreanus</i> Miquel and <i>Astragalus membranaceus</i> Bunge extracts on ovariectomy-induced osteoporosis in mice and anti-RANK signaling effect. <i>Journal of Ethnopharmacology</i> , 2014, 151, 951-959.	2.0	24
60	Modeling of stochastic behavior of pacemaker potential in interstitial cells of Cajal. <i>Progress in Biophysics and Molecular Biology</i> , 2014, 116, 56-69.	1.4	6
61	The analgesic and anti-inflammatory effects of <i>Litsea japonica</i> fruit are mediated via suppression of NF- κ B and JNK/p38 MAPK activation. <i>International Immunopharmacology</i> , 2014, 22, 84-97.	1.7	33
62	Acetylcholinesterase Inhibitory Activity of Pigment Echinochrome A from Sea Urchin <i>Scaphechinus mirabilis</i> . <i>Marine Drugs</i> , 2014, 12, 3560-3573.	2.2	31
63	Kobophenol A Inhibits Sodium Nitroprusside-Induced Cardiac H9c2 Cell Death through Suppressing Activation of JNK and Preserving Mitochondrial Anti-apoptotic Bcl-2 and Mcl-1. <i>Chemical and Pharmaceutical Bulletin</i> , 2014, 62, 713-718.	0.6	8
64	Effects of aged garlic extract and endurance exercise on skeletal muscle FNDC-5 and circulating irisin in high-fat-diet rat models. <i>Nutrition Research and Practice</i> , 2014, 8, 177.	0.7	2
65	Novel aerobic bacteria: isoflonesa€1biotransformation of <i>Pueraria radix</i> extract (1034.8). <i>FASEB Journal</i> , 2014, 28, 1034.8.	0.2	0
66	Combinatory mixture of <i>Rubus coreanus</i> and <i>Astragalus membranaceus</i> attenuates bone loss through RANK signal pathway in ovariectomized mice (1034.9). <i>FASEB Journal</i> , 2014, 28, 1034.9.	0.2	1
67	Evaluation of physicochemical properties and fermenting qualities of apple wines added with medicinal herbs. <i>Food Science and Biotechnology</i> , 2013, 22, 1039-1046.	1.2	13
68	Protective effects of ellagic acid on ethanol-induced toxicity in hepatic HepG2 cells. <i>Molecular and Cellular Toxicology</i> , 2013, 9, 249-256.	0.8	16
69	Quality Characteristics and Ginsenosides Composition of Ginseng-Yakju According to the Particle Size of Ginseng Powder. <i>Preventive Nutrition and Food Science</i> , 2013, 18, 234-241.	0.7	2
70	Protective effects of Ellagic acid on ethanol-induced toxicity in hepatic HepG2 cells. <i>FASEB Journal</i> , 2013, 27, 1083.9.	0.2	0
71	The protective effects of Alginate and Fucoidan from the brown seaweed on the alcohol-induced liver damage. <i>FASEB Journal</i> , 2013, 27, 1083.4.	0.2	0
72	The angiotensin receptor blocker and PPAR- γ agonist, telmisartan, delays inactivation of voltage-gated sodium channel in rat heart: novel mechanism of drug action. <i>Pflugers Archiv European Journal of Physiology</i> , 2012, 464, 631-643.	1.3	16

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73	Non-genomic effect of glucocorticoids on cardiovascular system. Pflugers Archiv European Journal of Physiology, 2012, 464, 549-559.	1.3	61
74	Development of photosensitizers for photodynamic therapy : R&D trend and patent analysis research. FASEB Journal, 2012, 26, 555.1.	0.2	0
75	Differential protective effects of alginate and fucoidan from the edible algae on the ethanol-induced liver damage. FASEB Journal, 2012, 26, 1033.7.	0.2	0
76	Dietary Arctium lappa L. root extracts: Molecular mechanisms of action as anti-allergic agents. FASEB Journal, 2012, 26, 1033.5.	0.2	0
77	Effects of Korean Red Ginseng Extract for the Treatment of Atopic Dermatitis-Like Skin Lesions in Mice. Journal of Ginseng Research, 2011, 35, 479-486.	3.0	35
78	Effects of DA11 in db/db Mice and Streptozotocin -induced Type 2 Diabetic Rat Model. FASEB Journal, 2011, 25, 1b376.	0.2	0
79	In vitro effects of Î²-glucan from Coriolus versicolor on macrophage functions in young and aged mice.: the involvement of Dectin-1 signaling. FASEB Journal, 2010, 24, 723.1.	0.2	0
80	The effects of talosin A on the proliferation of breast cancer cells and RANKL-OPG expression in osteoblasts. FASEB Journal, 2010, 24, 928.26.	0.2	0
81	Inhibitory effects of fucoidan on ICAM-1 expression induced by inflammatory cytokine p53-independent pathway in SH-SY5Y. FASEB Journal, 2010, 24, 723.9.	0.2	0
82	Inhibition of adhesion molecules expression by allicin in TNF-Î± and LPS-treated MOVAS via downregulation of NF-ÎºB. FASEB Journal, 2009, 23, 908.8.	0.2	0
83	Rescue of Heart Failure by Mitochondrial Recovery. International Neurourology Journal, 2006, 20, 5-12.	0.5	8
84	Korean red ginseng extract exploits NF-ÎºB to promote wound repair and protein expression in keratinocytes. Molecular and Cellular Toxicology, 0, , 1.	0.8	1