

Sung-Joon Lee

List of Publications by Year in Descending Order

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Version: 2024-04-28

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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.

66

papers

4,916

citations

19

h-index

69

g-index

69

ext. papers

5,878

ext. citations

5

avg, IF

4.73

L-index

#	Paper	IF	Citations
66	Activation of ectopic olfactory receptor 544 induces GLP-1 secretion and regulates gut inflammation. <i>Gut Microbes</i> , 2021 , 13, 1987782	8.8	1
65	Akkermansia muciniphila secretes a glucagon-like peptide-1-inducing protein that improves glucose homeostasis and ameliorates metabolic disease in mice. <i>Nature Microbiology</i> , 2021 , 6, 563-573	26.6	59
64	Efficacy of black rice extract on obesity in obese postmenopausal women: a 12-week randomized, double-blind, placebo-controlled preliminary clinical trial. <i>Menopause</i> , 2021 , 28, 1391-1399	2.5	1
63	Systematic re-evaluation of the long-used standard protocol of urease-dependent metabolome sample preparation. <i>PLoS ONE</i> , 2020 , 15, e0230072	3.7	2
62	Azelaic Acid Induces Mitochondrial Biogenesis in Skeletal Muscle by Activation of Olfactory Receptor 544. <i>Frontiers in Physiology</i> , 2020 , 11, 329	4.6	12
61	Effects of dietary fibers and prebiotics in adiposity regulation via modulation of gut microbiota. <i>Applied Biological Chemistry</i> , 2020 , 63,	2.9	7
60	Effects of high-fiber rice Dodamssal (<i>Oryza sativa</i> L.) on glucose and lipid metabolism in mice fed a high-fat diet. <i>Journal of Food Biochemistry</i> , 2020 , 44, e13231	3.3	4
59	Monothiol and dithiol glutaredoxin-1 from : identification of domain-swapped structures by NMR, X-ray crystallography and HDX mass spectrometry. <i>IUCrJ</i> , 2020 , 7, 1019-1027	4.7	
58	Polydeoxyribonucleotide Activates Mitochondrial Biogenesis but Reduces MMP-1 Activity and Melanin Biosynthesis in Cultured Skin Cells. <i>Applied Biochemistry and Biotechnology</i> , 2020 , 191, 540-554	3.2	7
57	Mechanisms of Aging and the Preventive Effects of Resveratrol on Age-Related Diseases. <i>Molecules</i> , 2020 , 25,	4.8	18
56	Antiviral Effects of Leaf Extract on Murine Norovirus-1 (MNV-1), a Human Norovirus Surrogate, and Potential Application to Model Foods. <i>Antibiotics</i> , 2020 , 9,	4.9	3
55	A dietary anthocyanin cyanidin-3-O-glucoside binds to PPARs to regulate glucose metabolism and insulin sensitivity in mice. <i>Communications Biology</i> , 2020 , 3, 514	6.7	11
54	Enhanced bioavailability of alpha-lipoic acid by complex formation with octenylsuccinylated high-amylose starch. <i>Carbohydrate Polymers</i> , 2019 , 219, 39-45	10.3	11
53	Quantification of Hypopigmentation Activity In Vitro. <i>Journal of Visualized Experiments</i> , 2019 ,	1.6	4
52	Kaempferol reduces hepatic triglyceride accumulation by inhibiting Akt. <i>Journal of Food Biochemistry</i> , 2019 , 43, e13034	3.3	13
51	Olfactory receptor 43 reduces hepatic lipid accumulation and adiposity in mice. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2019 , 1864, 489-499	5	17
50	Therapeutic potential of ectopic olfactory and taste receptors. <i>Nature Reviews Drug Discovery</i> , 2019 , 18, 116-138	64.1	101

49	Chicoric acid mitigates impaired insulin sensitivity by improving mitochondrial function. <i>Bioscience, Biotechnology and Biochemistry</i> , 2018 , 82, 1197-1206	2.1	9
48	Fermented green tea extract exhibits hypolipidaemic effects through the inhibition of pancreatic lipase and promotion of energy expenditure. <i>British Journal of Nutrition</i> , 2017 , 117, 177-186	3.6	33
47	Molecular determinants of the olfactory receptor Olfr544 activation by azelaic acid. <i>Biochemical and Biophysical Research Communications</i> , 2017 , 485, 241-248	3.4	9
46	Hexacosanol reduces plasma and hepatic cholesterol by activation of AMP-activated protein kinase and suppression of sterol regulatory element-binding protein-2 in HepG2 and C57BL/6J mice. <i>Nutrition Research</i> , 2017 , 43, 89-99	4	12
45	Protocatechuic Acid Enhances Osteogenesis, but Inhibits Adipogenesis in C3H10T1/2 and 3T3-L1 Cells. <i>Journal of Medicinal Food</i> , 2017 , 20, 309-319	2.8	9
44	Barley sprout extracts reduce hepatic lipid accumulation in ethanol-fed mice by activating hepatic AMP-activated protein kinase. <i>Food Research International</i> , 2017 , 101, 209-217	7	7
43	Betaine reduces cellular melanin content via suppression of microphthalmia-associated transcription factor in B16-F1 murine melanocytes. <i>Food Science and Biotechnology</i> , 2017 , 26, 1391-1397 ³		7
42	Inactivation of Norovirus by Lemongrass Essential Oil Using a Norovirus Surrogate System. <i>Journal of Food Protection</i> , 2017 , 80, 1293-1302	2.5	11
41	Effects of L-arginine on growth hormone and insulin-like growth factor 1. <i>Food Science and Biotechnology</i> , 2017 , 26, 1749-1754	3	16
40	Olfactory receptor 544 reduces adiposity by steering fuel preference toward fats. <i>Journal of Clinical Investigation</i> , 2017 , 127, 4118-4123	15.9	44
39	Notch1 deficiency decreases hepatic lipid accumulation by induction of fatty acid oxidation. <i>Scientific Reports</i> , 2016 , 6, 19377	4.9	21
38	Quercetin intake, MATE1 polymorphism, and metabolic syndrome in Korean population: Hallym aging study. <i>Food Science and Biotechnology</i> , 2016 , 25, 1783-1788	3	
37	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , 2016 , 12, 1-222	10.2	3838
36	Astaxanthin reduces hepatic lipid accumulations in high-fat-fed C57BL/6J mice via activation of peroxisome proliferator-activated receptor (PPAR) alpha and inhibition of PPAR gamma and Akt. <i>Journal of Nutritional Biochemistry</i> , 2016 , 28, 9-18	6.3	74
35	Curcumin Shows Antiviral Properties against Norovirus. <i>Molecules</i> , 2016 , 21,	4.8	36
34	Black Rice (<i>Oryza Sativa</i> , Heukmi) Extracts Stimulate Osteogenesis but Inhibit Adipogenesis in Mesenchymal C3H10T1/2 Cells. <i>Journal of Food Biochemistry</i> , 2016 , 40, 235-247	3.3	8
33	Brown rice (L. cv. Hiami) extract promotes cellular growth by upregulation of GH and IGF-1 expression and secretion. <i>Food Science and Biotechnology</i> , 2016 , 25, 335-339	3	
32	Syringaresinol induces mitochondrial biogenesis through activation of PPAR α pathway in skeletal muscle cells. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2016 , 26, 3978-83	2.9	11

31	Two New Iridoids from the Stem of <i>Catalpa ovata</i> . <i>Helvetica Chimica Acta</i> , 2015 , 98, 381-385	2	4
30	Kaempferol ameliorates symptoms of metabolic syndrome by regulating activities of liver X receptor- α . <i>Journal of Nutritional Biochemistry</i> , 2015 , 26, 868-75	6.3	30
29	The effect of bioactive compounds in tea on lipid metabolism and obesity through regulation of peroxisome proliferator-activated receptors. <i>Current Opinion in Lipidology</i> , 2015 , 26, 3-9	4.4	24
28	Activation of OR1A1 suppresses PPAR- α expression by inducing HES-1 in cultured hepatocytes. <i>International Journal of Biochemistry and Cell Biology</i> , 2015 , 64, 75-80	5.6	36
27	Saponarin activates AMPK in a calcium-dependent manner and suppresses gluconeogenesis and increases glucose uptake via phosphorylation of CRTC2 and HDAC5. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2015 , 25, 5237-42	2.9	15
26	Fermented green tea extract alleviates obesity and related complications and alters gut microbiota composition in diet-induced obese mice. <i>Journal of Medicinal Food</i> , 2015 , 18, 549-56	2.8	91
25	Antioxidative, hypolipidemic, and anti-inflammatory activities of sulfated polysaccharides from <i>Monostroma nitidum</i> . <i>Food Science and Biotechnology</i> , 2015 , 24, 199-205	3	35
24	Rapid quantification of cellular flavonoid levels using quercetin and a fluorescent diphenylboric acid 2-amino ethyl ester probe. <i>Food Science and Biotechnology</i> , 2014 , 23, 75-79	3	16
23	Linalool is a PPAR- α ligand that reduces plasma TG levels and rewires the hepatic transcriptome and plasma metabolome. <i>Journal of Lipid Research</i> , 2014 , 55, 1098-110	6.3	27
22	Hypolipidemic and antiinflammation activities of fermented soybean fibers from meju in C57BL/6 J mice. <i>Phytotherapy Research</i> , 2014 , 28, 1335-41	6.7	14
21	trans-Caryophyllene is a natural agonistic ligand for peroxisome proliferator-activated receptor- α . <i>Bioorganic and Medicinal Chemistry Letters</i> , 2014 , 24, 3168-74	2.9	26
20	The dipeptide H-Trp-Glu-OH (WE) shows agonistic activity to peroxisome proliferator-activated protein- α and reduces hepatic lipid accumulation in lipid-loaded H4IIE cells. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2014 , 24, 2957-62	2.9	10
19	Hempseed oil induces reactive oxygen species- and C/EBP homologous protein-mediated apoptosis in MH7A human rheumatoid arthritis fibroblast-like synovial cells. <i>Journal of Ethnopharmacology</i> , 2014 , 154, 745-52	5	26
18	Hypocholesterolemic effect of hexacosanol in HepG2 cells and C57BL/6 mice. <i>FASEB Journal</i> , 2013 , 27, 1079.10	0.9	
17	Effect of replacing of pork fat with barley flour in reduced-fat sausage on cholesterol concentrations in C57BL/6J mice. <i>FASEB Journal</i> , 2013 , 27, 1079.52	0.9	
16	Biological activities of water-soluble sulfated polysaccharides from <i>Ecklonia cava</i> , <i>Enteromorpha prolifera</i> and <i>Monostroma nitidum</i> . <i>FASEB Journal</i> , 2013 , 27, 1079.54	0.9	
15	Fucoesterol, a liver X receptors agonist, stimulates RCT and regulates the expression of key genes in cholesterol homeostasis in vitro. <i>FASEB Journal</i> , 2013 , 27, 1079.28	0.9	
14	The Dipeptide H-Trp-Glu-OH Shows Agonistic Activity to PPAR- α Reducing Hepatic Lipid Accumulation in Lipid-loaded H4IIE Cells. <i>FASEB Journal</i> , 2013 , 27, 1079.50	0.9	

13	A solute carrier protein, the mammalian flavonoid transporter, mediates cellular flavonoid uptake. <i>FASEB Journal</i> , 2013 , 27, 1079-31	0.9	
12	p-Coumaric acid inhibition of CREB phosphorylation reduces cellular melanogenesis. <i>European Food Research and Technology</i> , 2012 , 235, 1207-1211	3.4	11
11	Hempseed water extract ameliorates atherosclerosis in apolipoprotein E knockout mice. <i>Food Science and Biotechnology</i> , 2012 , 21, 927-932	3	3
10	Soybean (<i>Glycine max</i> L. Merr.) hexane extracts inhibit cellular fatty acid uptake by reducing the expression of fatty acid transporters. <i>Food Science and Biotechnology</i> , 2011 , 20, 237-242	3	1
9	Ameliorating effects of a nopal (<i>Opuntia ficus-indica</i>) complex on blood glucose in db/db mice. <i>Food Science and Biotechnology</i> , 2011 , 20, 255-259	3	7
8	Optimizing the replacement of pork fat with fractionated barley flour paste in reduced-fat sausage. <i>Food Science and Biotechnology</i> , 2011 , 20, 687-694	3	6
7	Dual inhibitions of lemon balm (<i>Melissa officinalis</i>) ethanolic extract on melanogenesis in B16-F1 murine melanocytes: Inhibition of tyrosinase activity and its gene expression. <i>Food Science and Biotechnology</i> , 2011 , 20, 1051-1059	3	10
6	Red yeast barley reduces plasma glucose levels and activates AMPK phosphorylation in db/db mice. <i>Food Science and Biotechnology</i> , 2011 , 20, 1265-1270	3	2
5	Barley intake induces bile acid excretion by reduced expression of intestinal ASBT and NPC1L1 in C57BL/6J mice. <i>Journal of Agricultural and Food Chemistry</i> , 2011 , 59, 6798-805	5.7	33
4	Effects of the isoflavone puerarin and its glycosides on melanogenesis in B16 melanocytes. <i>European Food Research and Technology</i> , 2010 , 231, 75-83	3.4	15
3	Nutrigenomic analysis of hypolipidemic effects of <i>Agastache rugosa</i> essential oils in HepG2 cells and C57BL/6 mice. <i>Food Science and Biotechnology</i> , 2010 , 19, 219-227	3	15
2	Toxicological evaluation of the isoflavone puerarin and its glycosides. <i>European Food Research and Technology</i> , 2009 , 230, 145-153	3.4	20
1	Human apolipoprotein E2 transgenic mice show lipid accumulation in retinal pigment epithelium and altered expression of VEGF and bFGF in the eyes. <i>Journal of Microbiology and Biotechnology</i> , 2007 , 17, 1024-30	3.3	23