

Sung-Joon Lee

List of Publications by Year in descending order

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Version: 2024-02-01

69
papers

6,543
citations

304743

22
h-index

128289

60
g-index

69
all docs

69
docs citations

69
times ranked

15962
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Mechanism of Action of Cyanidin 3-O-Glucoside in Gluconeogenesis and Oxidative Stress-Induced Cancer Cell Senescence. <i>Antioxidants</i> , 2022, 11, 749. | 5.1 | 7 |
| 2 | 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. | 13.3 | 248 |
| 3 | 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. | 2.0 | 6 |
| 4 | Activation of ectopic olfactory receptor 544 induces GLP-1 secretion and regulates gut inflammation. <i>Gut Microbes</i> , 2021, 13, 1987782. | 9.8 | 17 |
| 5 | 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. | 2.9 | 15 |
| 6 | Mechanisms of Aging and the Preventive Effects of Resveratrol on Age-Related Diseases. <i>Molecules</i> , 2020, 25, 4649. | 3.8 | 81 |
| 7 | Antiviral Effects of Lindera obtusiloba Leaf Extract on Murine Norovirus-1 (MNV-1), a Human Norovirus Surrogate, and Potential Application to Model Foods. <i>Antibiotics</i> , 2020, 9, 697. | 3.7 | 9 |
| 8 | 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. | 4.4 | 34 |
| 9 | Systematic re-evaluation of the long-used standard protocol of urease-dependent metabolome sample preparation. <i>PLoS ONE</i> , 2020, 15, e0230072. | 2.5 | 6 |
| 10 | Azelaic Acid Induces Mitochondrial Biogenesis in Skeletal Muscle by Activation of Olfactory Receptor 544. <i>Frontiers in Physiology</i> , 2020, 11, 329. | 2.8 | 21 |
| 11 | Effects of dietary fibers and prebiotics in adiposity regulation via modulation of gut microbiota. <i>Applied Biological Chemistry</i> , 2020, 63, . | 1.9 | 17 |
| 12 | 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. | 2.9 | 6 |
| 13 | Monothiol and dithiol glutaredoxin-1 from <i>Clostridium oremlandii</i> : identification of domain-swapped structures by NMR, X-ray crystallography and HDX mass spectrometry. <i>IUCr</i> , 2020, 7, 1019-1027. | 2.2 | 0 |
| 14 | Kaempferol reduces hepatic triglyceride accumulation by inhibiting Akt. <i>Journal of Food Biochemistry</i> , 2019, 43, e13034. | 2.9 | 19 |
| 15 | Enhanced bioavailability of alpha-lipoic acid by complex formation with octenylsuccinylated high-amylose starch. <i>Carbohydrate Polymers</i> , 2019, 219, 39-45. | 10.2 | 17 |
| 16 | Quantification of Hypopigmentation Activity In Vitro. <i>Journal of Visualized Experiments</i> , 2019, , . | 0.3 | 6 |
| 17 | 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. | 2.4 | 29 |
| 18 | Therapeutic potential of ectopic olfactory and taste receptors. <i>Nature Reviews Drug Discovery</i> , 2019, 18, 116-138. | 46.4 | 188 |

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|----|--|-----|-----------|
| 19 | Chicoric acid mitigates impaired insulin sensitivity by improving mitochondrial function. <i>Bioscience, Biotechnology and Biochemistry</i> , 2018, 82, 1197-1206. | 1.3 | 16 |
| 20 | 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. | 2.3 | 37 |
| 21 | Molecular determinants of the olfactory receptor Olfr544 activation by azelaic acid. <i>Biochemical and Biophysical Research Communications</i> , 2017, 485, 241-248. | 2.1 | 18 |
| 22 | 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. | 2.9 | 23 |
| 23 | Protocatechuic Acid Enhances Osteogenesis, but Inhibits Adipogenesis in C3H10T1/2 and 3T3-L1 Cells. <i>Journal of Medicinal Food</i> , 2017, 20, 309-319. | 1.5 | 14 |
| 24 | 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. | 6.2 | 15 |
| 25 | 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. | 2.6 | 10 |
| 26 | Effects of L-arginine on growth hormone and insulin-like growth factor 1. <i>Food Science and Biotechnology</i> , 2017, 26, 1749-1754. | 2.6 | 23 |
| 27 | Inactivation of Norovirus by Lemongrass Essential Oil Using a Norovirus Surrogate System. <i>Journal of Food Protection</i> , 2017, 80, 1293-1302. | 1.7 | 12 |
| 28 | Olfactory receptor 544 reduces adiposity by steering fuel preference toward fats. <i>Journal of Clinical Investigation</i> , 2017, 127, 4118-4123. | 8.2 | 81 |
| 29 | Curcumin Shows Antiviral Properties against Norovirus. <i>Molecules</i> , 2016, 21, 1401. | 3.8 | 45 |
| 30 | 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. | 2.9 | 12 |
| 31 | Brown rice (<i>Oryza sativa</i> L. cv. Hiam) extract promotes cellular growth by upregulation of GH and IGF-1 expression and secretion. <i>Food Science and Biotechnology</i> , 2016, 25, 335-339. | 2.6 | 0 |
| 32 | Syringaresinol induces mitochondrial biogenesis through activation of PPAR α pathway in skeletal muscle cells. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2016, 26, 3978-3983. | 2.2 | 18 |
| 33 | Notch1 deficiency decreases hepatic lipid accumulation by induction of fatty acid oxidation. <i>Scientific Reports</i> , 2016, 6, 19377. | 3.3 | 25 |
| 34 | Quercetin intake, MATE1 polymorphism, and metabolic syndrome in Korean population: Hallym aging study. <i>Food Science and Biotechnology</i> , 2016, 25, 1783-1788. | 2.6 | 1 |
| 35 | Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , 2016, 12, 1-222. | 9.1 | 4,701 |
| 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. | 4.2 | 117 |

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|----|---|-----|-----------|
| 37 | 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, 549-556. | 1.5 | 113 |
| 38 | Antioxidative, hypolipidemic, and anti-inflammatory activities of sulfated polysaccharides from <i>Monostroma nitidum</i> . <i>Food Science and Biotechnology</i> , 2015, 24, 199-205. | 2.6 | 55 |
| 39 | Two New Iridoids from the Stem of <i>Catalpa ovata</i> . <i>Helvetica Chimica Acta</i> , 2015, 98, 381-385. | 1.6 | 5 |
| 40 | Kaempferol ameliorates symptoms of metabolic syndrome by regulating activities of liver X receptor- β . <i>Journal of Nutritional Biochemistry</i> , 2015, 26, 868-875. | 4.2 | 40 |
| 41 | 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. | 2.7 | 28 |
| 42 | Activation of OR1A1 suppresses PPAR- β expression by inducing HES-1 in cultured hepatocytes. <i>International Journal of Biochemistry and Cell Biology</i> , 2015, 64, 75-80. | 2.8 | 54 |
| 43 | 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, 5237-5242. | 2.2 | 22 |
| 44 | Hypolipidemic and antiinflammation activities of fermented soybean fibers from <i>meju</i> in C57BL/6 mice. <i>Phytotherapy Research</i> , 2014, 28, 1335-1341. | 5.8 | 17 |
| 45 | trans-Caryophyllene is a natural agonistic ligand for peroxisome proliferator-activated receptor- β . <i>Bioorganic and Medicinal Chemistry Letters</i> , 2014, 24, 3168-3174. | 2.2 | 34 |
| 46 | The dipeptide H-Trp-Glu-OH (WE) shows agonistic activity to peroxisome proliferator-activated protein- β and reduces hepatic lipid accumulation in lipid-loaded H4IIE cells. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2014, 24, 2957-2962. | 2.2 | 11 |
| 47 | 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, 745-752. | 4.1 | 36 |
| 48 | 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. | 2.6 | 19 |
| 49 | Linalool is a PPAR- β ligand that reduces plasma TG levels and rewires the hepatic transcriptome and plasma metabolome. <i>Journal of Lipid Research</i> , 2014, 55, 1098-1110. | 4.2 | 38 |
| 50 | Hypocholesterolemic effect of hexacosanol in HepG2 cells and C57BL/6 mice. <i>FASEB Journal</i> , 2013, 27, 1079.10. | 0.5 | 0 |
| 51 | 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. | 0.5 | 0 |
| 52 | The natural carotenoid astaxanthin, a PPAR modulator, ameliorates hepatic steatosis in C57BL/6 mice. <i>FASEB Journal</i> , 2013, 27, . | 0.5 | 0 |
| 53 | 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. | 0.5 | 0 |
| 54 | Fucosterol, a liver X receptors agonist, stimulates RCT and regulates the expression of key genes in cholesterol homeostasis <i>in vitro</i> . <i>FASEB Journal</i> , 2013, 27, 1079.28. | 0.5 | 1 |

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|----|--|-----|-----------|
| 55 | The Dipeptide H ₂ N-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. | 0.5 | 0 |
| 56 | A solute carrier protein, the mammalian flavonoid transporter, mediates cellular flavonoid uptake. <i>FASEB Journal</i> , 2013, 27, 1079-31. | 0.5 | 0 |
| 57 | p-Coumaric acid inhibition of CREB phosphorylation reduces cellular melanogenesis. <i>European Food Research and Technology</i> , 2012, 235, 1207-1211. | 3.3 | 14 |
| 58 | Hempseed water extract ameliorates atherosclerosis in apolipoprotein E knockout mice. <i>Food Science and Biotechnology</i> , 2012, 21, 927-932. | 2.6 | 7 |
| 59 | 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, 6798-6805. | 5.2 | 38 |
| 60 | 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. | 2.6 | 3 |
| 61 | 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. | 2.6 | 9 |
| 62 | 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. | 2.6 | 7 |
| 63 | 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. | 2.6 | 13 |
| 64 | 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. | 2.6 | 2 |
| 65 | Effects of the isoflavone puerarin and its glycosides on melanogenesis in B16 melanocytes. <i>European Food Research and Technology</i> , 2010, 231, 75-83. | 3.3 | 15 |
| 66 | 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. | 2.6 | 17 |
| 67 | Toxicological evaluation of the isoflavone puerarin and its glycosides. <i>European Food Research and Technology</i> , 2009, 230, 145-153. | 3.3 | 25 |
| 68 | 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. | 2.1 | 23 |
| 69 | Three-dimensional printing of wheat flour and <i>Acheta domesticus</i> powder blends. <i>International Journal of Food Science and Technology</i> , 0, , . | 2.7 | 3 |