# Chang Hwa Jung

List of Publications by Year
in descending order



| 86 | 9,661 | 172457 29 | 51608 86 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 86 | 86 | 86 | 18268 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Guidelines for the use and interpretation of assays for monitoring autophagy. Autophagy, 2012, 8, 445-544. | 9.1 | 3,122 |
| 2 | mTOR regulation of autophagy. FEBS Letters, 2010, 584, 1287-1295. | 2.8 | 1,790 |
| 3 | ULK-Atg13-FIP200 Complexes Mediate mTOR Signaling to the Autophagy Machinery. Molecular Biology of the Cell, 2009, 20, 1992-2003. | 2.1 | 1,725 |
| 4 | The ULK1 complex mediates MTORC1 signaling to the autophagy initiation machinery via binding and phosphorylating ATG14. Autophagy, 2016, 12, 547-564. | 9.1 | 243 |
| 5 | mTORC1 Phosphorylates UVRAG to Negatively Regulate Autophagosome and Endosome Maturation. Molecular Cell, 2015, 57, 207-218. | 9.7 | 218 |
| 6 | Hsp90-Cdc37 Chaperone Complex Regulates Ulk1- and Atg13-Mediated Mitophagy. Molecular Cell, 2011, 43, 572-585. | 9.7 | 211 |
| 7 | Quercetin Reduces Highâ€Fat Dietâ€Induced Fat Accumulation in the Liver by Regulating Lipid Metabolism Genes. Phytotherapy Research, 2013, 27, 139-143. | 5.8 | 204 |
| 8 | ULK1 inhibits the kinase activity of mTORC1 and cell proliferation. Autophagy, 2011, 7, 1212-1221. | 9.1 | 143 |
| 9 | Micro <scp>RNA</scp> â€146b promotes adipogenesis by suppressing the <scp>SIRT</scp> 1â€<scp>FOXO</scp> 1 cascade. EMBO Molecular Medicine, 2013, 5, 1602-1612. | 6.9 | 142 |
| 10 | ULK1 phosphorylates Ser30 of BECN1 in association with ATG14 to stimulate autophagy induction. Autophagy, 2018, 14, 584-597. | 9.1 | 121 |
| 11 | Phenolic-rich fraction from Rhus verniciflua Stokes (RVS) suppress inflammatory response via NF-ÎºB and JNK pathway in lipopolysaccharide-induced RAW 264.7 macrophages. Journal of Ethnopharmacology, 2007, 110, 490-497. | 4.1 | 96 |
| 12 | Wogonin induces apoptosis by activating the AMPK and p53 signaling pathways in human glioblastoma cells. Cellular Signalling, 2012, 24, 2216-2225. | 3.6 | 77 |
| 13 | Distinct functions ofUlk1andUlk2in the regulation of lipid metabolism in adipocytes. Autophagy, 2013, 9, 2103-2114. | 9.1 | 76 |
| 14 | Neuroprotective effects of Schisandrin B against transient focal cerebral ischemia in Sprague–Dawley rats. Food and Chemical Toxicology, 2012, 50, 4239-4245. | 3.6 | 73 |
| 15 | Rhus verniciflua Stokes Extract: Radical Scavenging Activities and Protective Effects on H2O2-Induced Cytotoxicity in Macrophage RAW 264.7 Cell Lines. Biological and Pharmaceutical Bulletin, 2006, 29, 1603-1607. | 1.4 | 65 |
| 16 | Allyl isothiocyanate ameliorates insulin resistance through the regulation of mitochondrial function. Journal of Nutritional Biochemistry, 2014, 25, 1026-1034. | 4.2 | 55 |
| 17 | Eleutherococcus senticosus extract attenuates LPS-induced iNOS expression through the inhibition of Akt and JNK pathways in murine macrophage. Journal of Ethnopharmacology, 2007, 113, 183-187. | 4.1 | 54 |
| 18 | Antihyperglycemic Activity of Herb Extracts on Streptozotocin-Induced Diabetic Rats. Bioscience, Biotechnology and Biochemistry, 2006, 70, 2556-2559. | 1.3 | 47 |

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|---|---|---|---|
| 19 | Dissection of SNARE-driven membrane fusion and neuroexocytosis by wedging small hydrophobic molecules into the SNARE zipper. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 22145-22150. | 7.1 | 47 |
| 20 | Fisetin regulates obesity by targeting mTORC1 signaling. Journal of Nutritional Biochemistry, 2013, 24, 1547-1554. | 4.2 | 47 |
| 21 | Alpinia officinarum Inhibits Adipocyte Differentiation and High-Fat Dietâ€“Induced Obesity in Mice Through Regulation of Adipogenesis and Lipogenesis. Journal of Medicinal Food, 2012, 15, 959-967. | 1.5 | 44 |
| 22 | Curcumin attenuates adhesion molecules and matrix metalloproteinase expression in hypercholesterolemic rabbits. Nutrition Research, 2014, 34, 886-893. | 2.9 | 39 |
| 23 | SREBP-1c impairs ULK1 sulfhydration-mediated autophagic flux to promote hepatic steatosis in high-fat-diet-fed mice. Molecular Cell, 2021, 81, 3820-3832.e7. | 9.7 | 38 |
| 24 | Pharmacokinetics, Tissue Distribution, and Anti-Lipogenic/Adipogenic Effects of Allyl-Isothiocyanate Metabolites. PLoS ONE, 2015, 10, e0132151. | 2.5 | 37 |
| 25 | Apigenin enhances skeletal muscle hypertrophy and myoblast differentiation by regulating Prmt7. Oncotarget, 2017, 8, 78300-78311. | 1.8 | 37 |
| 26 | Î²-Lapachone Prevents Diet-Induced Obesity by Increasing Energy Expenditure and Stimulating the Browning of White Adipose Tissue via Downregulation of miR-382 Expression. Diabetes, 2016, 65, 2490-2501. | 0.6 | 35 |
| 27 | Naringenin targets <scp>ERK</scp>2 and suppresses <scp>UVB</scp>â€induced photoaging. Journal of Cellular and Molecular Medicine, 2016, 20, 909-919. | 3.6 | 34 |
| 28 | Î³-Oryzanol Enhances Adipocyte Differentiation and Glucose Uptake. Nutrients, 2015, 7, 4851-4861. | 4.1 | 33 |
| 29 | Selective Cytotoxic Effects on Human Cancer Cell Lines of Phenolic-Rich Ethyl-Acetate Fraction from Rhus verniciflua Stokes. The American Journal of Chinese Medicine, 2009, 37, 609-620. | 3.8 | 31 |
| 30 | Mir214-3p and Hnf4a/Hnf4Î± reciprocally regulate Ulk1 expression and autophagy in nonalcoholic hepatic steatosis. Autophagy, 2021, 17, 2415-2431. | 9.1 | 31 |
| 31 | Syzygium aromaticum ethanol extract reduces high-fat diet-induced obesity in mice through downregulation of adipogenic and lipogenic gene expression. Experimental and Therapeutic Medicine, 2012, 4, 409-414. | 1.8 | 28 |
| 32 | Cooked rice prevents hyperlipidemia in hamsters fed a high-fat/cholesterol diet by the regulation of the expression of hepatic genes involved in lipid metabolism. Nutrition Research, 2013, 33, 572-579. | 2.9 | 28 |
| 33 | Coumestrol modulates Akt and Wnt/Î²-catenin signaling during the attenuation of adipogenesis. Food and Function, 2016, 7, 4984-4991. | 4.6 | 27 |
| 34 | Tyrosol, an olive oil polyphenol, inhibits ER stress-induced apoptosis in pancreatic Î²-cell through JNK signaling. Biochemical and Biophysical Research Communications, 2016, 469, 748-752. | 2.1 | 27 |
| 35 | Zerumbone ameliorates high-fat diet-induced adiposity by restoring AMPK-regulated lipogenesis and microRNA-146b/SIRT1-mediated adipogenesis. Oncotarget, 2017, 8, 36984-36995. | 1.8 | 25 |
| 36 | Apigenin inhibits sciatic nerve denervationâ€“induced muscle atrophy. Muscle and Nerve, 2018, 58, 314-318. | 2.2 | 24 |

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|---|---|---|---|
| 37 | Nutrikinetics of Isoflavone Metabolites After Fermented Soybean Product (Cheonggukjang) Ingestion in Ovariectomized Mice. Molecular Nutrition and Food Research, 2017, 61, 1700322. | 3.3 | 22 |
| 38 | Pharmacokinetics of Tyrosol Metabolites in Rats. Molecules, 2016, 21, 128. | 3.8 | 20 |
| 39 | Coffee consumption promotes skeletal muscle hypertrophy and myoblast differentiation. Food and Function, 2018, 9, 1102-1111. | 4.6 | 20 |
| 40 | Differential circulating and visceral fat microRNA expression of non-obese and obese subjects. Clinical Nutrition, 2020, 39, 910-916. | 5.0 | 20 |
| 41 | 3-Decylcatechol induces autophagy-mediated cell death through the IRE1Î±/JNK/p62 in hepatocellular carcinoma cells. Oncotarget, 2017, 8, 58790-58800. | 1.8 | 20 |
| 42 | Cholesterol-lowering Effect of Rice Protein by Enhancing Fecal Excretion of Lipids in Rats. Preventive Nutrition and Food Science, 2013, 18, 210-213. | 1.6 | 19 |
| 43 | MiR-141-3p promotes mitochondrial dysfunction in ovariectomy-induced sarcopenia via targeting Fkbp5 and Fibin. Aging, 2021, 13, 4881-4894. | 3.1 | 17 |
| 44 | Fuzhuan brick tea extract prevents diet-induced obesity via stimulation of fat browning in mice. Food Chemistry, 2022, 377, 132006. | 8.2 | 17 |
| 45 | SNARE-Wedging Polyphenols as Small Molecular Botox. Planta Medica, 2012, 78, 233-236. | 1.3 | 16 |
| 46 | Shikonin protects against obesity through the modulation of adipogenesis, lipogenesis, and Î²-oxidation in vivo. Journal of Functional Foods, 2015, 16, 484-493. | 3.4 | 16 |
| 47 | Chicoric acid mitigates impaired insulin sensitivity by improving mitochondrial function. Bioscience, Biotechnology and Biochemistry, 2018, 82, 1197-1206. | 1.3 | 16 |
| 48 | Inula Japonica Thunb. Flower Ethanol Extract Improves Obesity and Exercise Endurance in Mice Fed A High-Fat Diet. Nutrients, 2019, 11, 17. | 4.1 | 16 |
| 49 | Chrysanthemum zawadskii Herbich attenuates dexamethasone-induced muscle atrophy through the regulation of proteostasis and mitochondrial function. Biomedicine and Pharmacotherapy, 2021, 136, 111226. | 5.6 | 16 |
| 50 | Ethanolic Extract of Taheebo Attenuates Increase in Body Weight and Fatty Liver in Mice Fed a High-Fat Diet. Molecules, 2014, 19, 16013-16023. | 3.8 | 15 |
| 51 | Effects of yuja peel extract and its flavanones on osteopenia in ovariectomized rats and osteoblast differentiation. Molecular Nutrition and Food Research, 2016, 60, 2587-2601. | 3.3 | 14 |
| 52 | Poly(lactic-co-glycolic acid) Nanoparticles Potentiate the Protective Effect of Curcumin Against Bone Loss in Ovariectomized Rats. Journal of Biomedical Nanotechnology, 2017, 13, 688-698. | 1.1 | 14 |
| 53 | Dry-Fermented Soybean Food (Cheonggukjang) Ameliorates Senile Osteoporosis in the Senescence-Accelerated Mouse Prone 6 Model. Journal of Medicinal Food, 2019, 22, 1047-1057. | 1.5 | 14 |
| 54 | Undaria pinnatifidaextract feeding increases exercise endurance and skeletal muscle mass by promoting oxidative muscle remodeling in mice. FASEB Journal, 2020, 34, 8068-8081. | 0.5 | 14 |

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|---|---|---|---|
| 55 | Withaferin A exerts an anti-obesity effect by increasing energy expenditure through thermogenic gene expression in high-fat diet-fed obese mice. Phytomedicine, 2021, 82, 153457. | 5.3 | 14 |
| 56 | Î³â€Oryzanol Improves Exercise Endurance and Muscle Strength by Upregulating PPARÎ´ and ERRÎ³ Activity in Aged Mice. Molecular Nutrition and Food Research, 2021, 65, e2000652. | 3.3 | 14 |
| 57 | Shikonin inhibits adipogenic differentiation via regulation ofÂmir-34a-FKBP1B. Biochemical and Biophysical Research Communications, 2015, 467, 941-947. | 2.1 | 13 |
| 58 | Bioavailability of Isoflavone Metabolites After Korean Fermented Soybean Paste (Doenjang) Ingestion in Estrogenâ€Deficient Rats. Journal of Food Science, 2018, 83, 2212-2221. | 3.1 | 13 |
| 59 | Oleic acid-induced defective autolysosome shows impaired lipid degradation. Biochemical and Biophysical Research Communications, 2019, 513, 553-559. | 2.1 | 13 |
| 60 | Iridoids of Valeriana fauriei contribute to alleviating hepatic steatosis in obese mice by lipophagy. Biomedicine and Pharmacotherapy, 2020, 125, 109950. | 5.6 | 13 |
| 61 | Nutrikinetic study of genistein metabolites in ovariectomized mice. PLoS ONE, 2017, 12, e0186320. | 2.5 | 13 |
| 62 | Dihydrodaidzein and 6â€hydroxydaidzein mediate the fermentationâ€induced increase of antiosteoporotic effect of soybeans in ovariectomized mice. FASEB Journal, 2019, 33, 3252-3263. | 0.5 | 12 |
| 63 | Diosmin restores the skin barrier by targeting the aryl hydrocarbon receptor in atopic dermatitis. Phytomedicine, 2021, 81, 153418. | 5.3 | 12 |
| 64 | Limonin enhances osteoblastogenesis and prevents ovariectomy-induced bone loss. Journal of Functional Foods, 2016, 23, 105-114. | 3.4 | 11 |
| 65 | 6-Gingerol Ameliorates Hepatic Steatosis via HNF4Î±/miR-467b-3p/GPAT1 Cascade. Cellular and Molecular Gastroenterology and Hepatology, 2021, 12, 1201-1213. | 4.5 | 11 |
| 66 | Identifying Codium fragile extract components and their effects on muscle weight and exercise endurance. Food Chemistry, 2021, 353, 129463. | 8.2 | 11 |
| 67 | The interplay of microRNAs and transcription factors in autophagy regulation in nonalcoholic fatty liver disease. Experimental and Molecular Medicine, 2021, 53, 548-559. | 7.7 | 10 |
| 68 | Antioxidant Activity of Valeriana fauriei Protects against Dexamethasone-Induced Muscle Atrophy. Oxidative Medicine and Cellular Longevity, 2022, 2022, 1-16. | 4.0 | 10 |
| 69 | Long-term intake of rice improves insulin sensitivity in mice fed a high-fat diet. Nutrition, 2014, 30, 920-927. | 2.4 | 9 |
| 70 | Zingiber mioga reduces weight gain, insulin resistance and hepatic gluconeogenesis in diet-induced obese mice. Experimental and Therapeutic Medicine, 2016, 12, 369-376. | 1.8 | 9 |
| 71 | Hydrangea serrata Tea Enhances Running Endurance and Skeletal Muscle Mass. Molecular Nutrition and Food Research, 2019, 63, e1801149. | 3.3 | 9 |
| 72 | Fermentation Improves the Preventive Effect of Soybean Against Bone Loss in Senescenceâ€Accelerated Mouse Prone 6. Journal of Food Science, 2019, 84, 349-357. | 3.1 | 8 |

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|---|---|---|---|
| 73 | Cooked Rice Inhibits Hepatic Fat Accumulation by Regulating Lipid Metabolismâ€“Related Gene Expression in Mice Fed a High-Fat Diet. Journal of Medicinal Food, 2014, 17, 36-42. | 1.5 | 7 |
| 74 | Antiobesity effects of the combination ofPatrinia scabiosaefoliaroot andHippophae rhamnoidesleaf extracts. Journal of Food Biochemistry, 2020, 44, e13214. | 2.9 | 7 |
| 75 | Nutrikinetic study of fermented soybean paste (Cheonggukjang) isoflavones according to the Sasang typology. Nutrition Research and Practice, 2020, 14, 102. | 1.9 | 7 |
| 76 | Eleutheroside E, an active compound from Eleutherococcus senticosus, regulates adipogenesis in 3T3-L1 cells. Food Science and Biotechnology, 2014, 23, 889-893. | 2.6 | 6 |
| 77 | A Pilot Study on Characteristics of Metabolomics and Lipidomics according to Sasang Constitution. Evidence-based Complementary and Alternative Medicine, 2018, 2018, 1-12. | 1.2 | 6 |
| 78 | Autophagy Functions to Prevent Methylglyoxal-Induced Apoptosis in HK-2 Cells. Oxidative Medicine and Cellular Longevity, 2020, 2020, 1-11. | 4.0 | 6 |
| 79 | 2,6-Dimethoxy-1,4-benzoquinone increases skeletal muscle mass and performance by regulating AKT/mTOR signaling and mitochondrial function. Phytomedicine, 2021, 91, 153658. | 5.3 | 6 |
| 80 | Circulating microRNA expression profiling in young obese Korean women. Nutrition Research and Practice, 2020, 14, 412. | 1.9 | 6 |
| 81 | 2,6-Dimethoxy-1,4-benzoquinone Inhibits 3T3-L1 Adipocyte Differentiation via Regulation of AMPK and mTORC1. Planta Medica, 2019, 85, 210-216. | 1.3 | 5 |
| 82 | Green Tomato Extract Prevents Bone Loss in Ovariectomized Rats, a Model of Osteoporosis. Nutrients, 2020, 12, 3210. | 4.1 | 5 |
| 83 | The unc-51 like autophagy activating kinase 1-autophagy related 13 complex has distinct functions in tunicamycin-treated cells. Biochemical and Biophysical Research Communications, 2020, 524, 744-749. | 2.1 | 5 |
| 84 | Agaricus bisporusAttenuates Dextran Sulfate Sodium-Induced Colitis. Journal of Medicinal Food, 2014, 17, 1383-1385. | 1.5 | 4 |
| 85 | Korean diet prevents obesity and ameliorates insulin resistance in mice fed a high-fat diet. Journal of Ethnic Foods, 2017, 4, 36-43. | 1.9 | 4 |
| 86 | Synergistic lipidâ€‘lowering effects of Zingiber mioga and Hippophae rhamnoides extracts. Experimental and Therapeutic Medicine, 2020, 20, 2270-2278. | 1.8 | 2 |