

Chang Hwa Jung

List of Publications by Year in descending order

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18268
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#	ARTICLE	IF	CITATIONS
1	Fuzhuan brick tea extract prevents diet-induced obesity via stimulation of fat browning in mice. <i>Food Chemistry</i> , 2022, 377, 132006.	8.2	17
2	Antioxidant Activity of <i>Valeriana fauriei</i> Protects against Dexamethasone-Induced Muscle Atrophy. <i>Oxidative Medicine and Cellular Longevity</i> , 2022, 2022, 1-16.	4.0	10
3	<i>Mir214-3p</i> and <i>Hnf4a/Hnf4l1</i> reciprocally regulate <i>Ulk1</i> expression and autophagy in nonalcoholic hepatic steatosis. <i>Autophagy</i> , 2021, 17, 2415-2431.	9.1	31
4	Diosmin restores the skin barrier by targeting the aryl hydrocarbon receptor in atopic dermatitis. <i>Phytomedicine</i> , 2021, 81, 153418.	5.3	12
5	6-Gingerol Ameliorates Hepatic Steatosis via HNF4l1/miR-467b-3p/GPAT1 Cascade. <i>Cellular and Molecular Gastroenterology and Hepatology</i> , 2021, 12, 1201-1213.	4.5	11
6	Withaferin A exerts an anti-obesity effect by increasing energy expenditure through thermogenic gene expression in high-fat diet-fed obese mice. <i>Phytomedicine</i> , 2021, 82, 153457.	5.3	14
7	MiR-141-3p promotes mitochondrial dysfunction in ovariectomy-induced sarcopenia via targeting Fkbp5 and Fibin. <i>Aging</i> , 2021, 13, 4881-4894.	3.1	17
8	The interplay of microRNAs and transcription factors in autophagy regulation in nonalcoholic fatty liver disease. <i>Experimental and Molecular Medicine</i> , 2021, 53, 548-559.	7.7	10
9	<i>Chrysanthemum zawadskii</i> Herbich attenuates dexamethasone-induced muscle atrophy through the regulation of proteostasis and mitochondrial function. <i>Biomedicine and Pharmacotherapy</i> , 2021, 136, 111226.	5.6	16
10	Î³-Oryzanol Improves Exercise Endurance and Muscle Strength by Upregulating PPARÎ³ and ERRÎ³ Activity in Aged Mice. <i>Molecular Nutrition and Food Research</i> , 2021, 65, e2000652.	3.3	14
11	Identifying <i>Codium fragile</i> extract components and their effects on muscle weight and exercise endurance. <i>Food Chemistry</i> , 2021, 353, 129463.	8.2	11
12	SREBP-1c impairs ULK1 sulfhydration-mediated autophagic flux to promote hepatic steatosis in high-fat-diet-fed mice. <i>Molecular Cell</i> , 2021, 81, 3820-3832.e7.	9.7	38
13	2,6-Dimethoxy-1,4-benzoquinone increases skeletal muscle mass and performance by regulating AKT/mTOR signaling and mitochondrial function. <i>Phytomedicine</i> , 2021, 91, 153658.	5.3	6
14	Differential circulating and visceral fat microRNA expression of non-obese and obese subjects. <i>Clinical Nutrition</i> , 2020, 39, 910-916.	5.0	20
15	Green Tomato Extract Prevents Bone Loss in Ovariectomized Rats, a Model of Osteoporosis. <i>Nutrients</i> , 2020, 12, 3210.	4.1	5
16	Autophagy Functions to Prevent Methylglyoxal-Induced Apoptosis in HK-2 Cells. <i>Oxidative Medicine and Cellular Longevity</i> , 2020, 2020, 1-11.	4.0	6
17	The unc-51 like autophagy activating kinase 1-autophagy related 13 complex has distinct functions in tunicamycin-treated cells. <i>Biochemical and Biophysical Research Communications</i> , 2020, 524, 744-749.	2.1	5
18	Iridoids of <i>Valeriana fauriei</i> contribute to alleviating hepatic steatosis in obese mice by lipophagy. <i>Biomedicine and Pharmacotherapy</i> , 2020, 125, 109950.	5.6	13

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19	Antiobesity effects of the combination of <i>Patrinia scabiosaefolia</i> root and <i>Hippophae rhamnoides</i> leaf extracts. <i>Journal of Food Biochemistry</i> , 2020, 44, e13214.	2.9	7
20	<i>Undaria pinnatifida</i> extract feeding increases exercise endurance and skeletal muscle mass by promoting oxidative muscle remodeling in mice. <i>FASEB Journal</i> , 2020, 34, 8068-8081.	0.5	14
21	Nutrikinetic study of fermented soybean paste (<i>Cheonggukjang</i>) isoflavones according to the Sasang typology. <i>Nutrition Research and Practice</i> , 2020, 14, 102.	1.9	7
22	Circulating microRNA expression profiling in young obese Korean women. <i>Nutrition Research and Practice</i> , 2020, 14, 412.	1.9	6
23	Synergistic lipid-lowering effects of <i>Zingiber mioga</i> and <i>Hippophae rhamnoides</i> extracts. <i>Experimental and Therapeutic Medicine</i> , 2020, 20, 2270-2278.	1.8	2
24	Dry-Fermented Soybean Food (<i>Cheonggukjang</i>) Ameliorates Senile Osteoporosis in the Senescence-Accelerated Mouse Prone 6 Model. <i>Journal of Medicinal Food</i> , 2019, 22, 1047-1057.	1.5	14
25	<i>Hydrangea serrata</i> Tea Enhances Running Endurance and Skeletal Muscle Mass. <i>Molecular Nutrition and Food Research</i> , 2019, 63, e1801149.	3.3	9
26	Oleic acid-induced defective autolysosome shows impaired lipid degradation. <i>Biochemical and Biophysical Research Communications</i> , 2019, 513, 553-559.	2.1	13
27	Fermentation Improves the Preventive Effect of Soybean Against Bone Loss in Senescence-Accelerated Mouse Prone 6. <i>Journal of Food Science</i> , 2019, 84, 349-357.	3.1	8
28	2,6-Dimethoxy-1,4-benzoquinone Inhibits 3T3-L1 Adipocyte Differentiation via Regulation of AMPK and mTORC1. <i>Planta Medica</i> , 2019, 85, 210-216.	1.3	5
29	<i>Inula Japonica</i> Thunb. Flower Ethanol Extract Improves Obesity and Exercise Endurance in Mice Fed A High-Fat Diet. <i>Nutrients</i> , 2019, 11, 17.	4.1	16
30	Dihydrodaidzein and 6-hydroxydaidzein mediate the fermentation-induced increase of antiosteoporotic effect of soybeans in ovariectomized mice. <i>FASEB Journal</i> , 2019, 33, 3252-3263.	0.5	12
31	Apigenin inhibits sciatic nerve denervation-induced muscle atrophy. <i>Muscle and Nerve</i> , 2018, 58, 314-318.	2.2	24
32	Coffee consumption promotes skeletal muscle hypertrophy and myoblast differentiation. <i>Food and Function</i> , 2018, 9, 1102-1111.	4.6	20
33	ULK1 phosphorylates Ser30 of BECN1 in association with ATG14 to stimulate autophagy induction. <i>Autophagy</i> , 2018, 14, 584-597.	9.1	121
34	Chicoric acid mitigates impaired insulin sensitivity by improving mitochondrial function. <i>Bioscience, Biotechnology and Biochemistry</i> , 2018, 82, 1197-1206.	1.3	16
35	Bioavailability of Isoflavone Metabolites After Korean Fermented Soybean Paste (<i>Doenjang</i>) Ingestion in Estrogen-Deficient Rats. <i>Journal of Food Science</i> , 2018, 83, 2212-2221.	3.1	13
36	A Pilot Study on Characteristics of Metabolomics and Lipidomics according to Sasang Constitution. <i>Evidence-based Complementary and Alternative Medicine</i> , 2018, 2018, 1-12.	1.2	6

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37	Korean diet prevents obesity and ameliorates insulin resistance in mice fed a high-fat diet. <i>Journal of Ethnic Foods</i> , 2017, 4, 36-43.	1.9	4
38	Nutrikinetics of Isoflavone Metabolites After Fermented Soybean Product (Cheonggukjang) Ingestion in Ovariectomized Mice. <i>Molecular Nutrition and Food Research</i> , 2017, 61, 1700322.	3.3	22
39	Poly(lactic-co-glycolic acid) Nanoparticles Potentiate the Protective Effect of Curcumin Against Bone Loss in Ovariectomized Rats. <i>Journal of Biomedical Nanotechnology</i> , 2017, 13, 688-698.	1.1	14
40	Nutrikinetic study of genistein metabolites in ovariectomized mice. <i>PLoS ONE</i> , 2017, 12, e0186320.	2.5	13
41	Zerumbone ameliorates high-fat diet-induced adiposity by restoring AMPK-regulated lipogenesis and microRNA-146b/SIRT1-mediated adipogenesis. <i>Oncotarget</i> , 2017, 8, 36984-36995.	1.8	25
42	3-Decylcatechol induces autophagy-mediated cell death through the IRE1 α /JNK/p62 in hepatocellular carcinoma cells. <i>Oncotarget</i> , 2017, 8, 58790-58800.	1.8	20
43	Apigenin enhances skeletal muscle hypertrophy and myoblast differentiation by regulating Prmt7. <i>Oncotarget</i> , 2017, 8, 78300-78311.	1.8	37
44	Pharmacokinetics of Tyrosol Metabolites in Rats. <i>Molecules</i> , 2016, 21, 128.	3.8	20
45	The ULK1 complex mediates MTORC1 signaling to the autophagy initiation machinery via binding and phosphorylating ATG14. <i>Autophagy</i> , 2016, 12, 547-564.	9.1	243
46	Limonin enhances osteoblastogenesis and prevents ovariectomy-induced bone loss. <i>Journal of Functional Foods</i> , 2016, 23, 105-114.	3.4	11
47	Effects of yuja peel extract and its flavanones on osteopenia in ovariectomized rats and osteoblast differentiation. <i>Molecular Nutrition and Food Research</i> , 2016, 60, 2587-2601.	3.3	14
48	Coumestrol modulates Akt and Wnt/ β -catenin signaling during the attenuation of adipogenesis. <i>Food and Function</i> , 2016, 7, 4984-4991.	4.6	27
49	Naringenin targets ERK2 and suppresses UVB-induced photoaging. <i>Journal of Cellular and Molecular Medicine</i> , 2016, 20, 909-919.	3.6	34
50	β -Lapachone Prevents Diet-Induced Obesity by Increasing Energy Expenditure and Stimulating the Browning of White Adipose Tissue via Downregulation of miR-382 Expression. <i>Diabetes</i> , 2016, 65, 2490-2501.	0.6	35
51	Zingiber mioga reduces weight gain, insulin resistance and hepatic gluconeogenesis in diet-induced obese mice. <i>Experimental and Therapeutic Medicine</i> , 2016, 12, 369-376.	1.8	9
52	Tyrosol, an olive oil polyphenol, inhibits ER stress-induced apoptosis in pancreatic β -cell through JNK signaling. <i>Biochemical and Biophysical Research Communications</i> , 2016, 469, 748-752.	2.1	27
53	β -Oryzanol Enhances Adipocyte Differentiation and Glucose Uptake. <i>Nutrients</i> , 2015, 7, 4851-4861.	4.1	33
54	Pharmacokinetics, Tissue Distribution, and Anti-Lipogenic/Adipogenic Effects of Allyl-Isothiocyanate Metabolites. <i>PLoS ONE</i> , 2015, 10, e0132151.	2.5	37

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55	Shikonin inhibits adipogenic differentiation via regulation of p34a-FKBP1B. <i>Biochemical and Biophysical Research Communications</i> , 2015, 467, 941-947.	2.1	13
56	Shikonin protects against obesity through the modulation of adipogenesis, lipogenesis, and β -oxidation in vivo. <i>Journal of Functional Foods</i> , 2015, 16, 484-493.	3.4	16
57	mTORC1 Phosphorylates LIPIN1 to Negatively Regulate Autophagosome and Endosome Maturation. <i>Molecular Cell</i> , 2015, 57, 207-218.	9.7	218
58	Ethanol Extract of Taheebo Attenuates Increase in Body Weight and Fatty Liver in Mice Fed a High-Fat Diet. <i>Molecules</i> , 2014, 19, 16013-16023.	3.8	15
59	Cooked Rice Inhibits Hepatic Fat Accumulation by Regulating Lipid Metabolism-Related Gene Expression in Mice Fed a High-Fat Diet. <i>Journal of Medicinal Food</i> , 2014, 17, 36-42.	1.5	7
60	Long-term intake of rice improves insulin sensitivity in mice fed a high-fat diet. <i>Nutrition</i> , 2014, 30, 920-927.	2.4	9
61	<i>Agaricus bisporus</i> Attenuates Dextran Sulfate Sodium-Induced Colitis. <i>Journal of Medicinal Food</i> , 2014, 17, 1383-1385.	1.5	4
62	Curcumin attenuates adhesion molecules and matrix metalloproteinase expression in hypercholesterolemic rabbits. <i>Nutrition Research</i> , 2014, 34, 886-893.	2.9	39
63	Eleutheroside E, an active compound from <i>Eleutherococcus senticosus</i> , regulates adipogenesis in 3T3-L1 cells. <i>Food Science and Biotechnology</i> , 2014, 23, 889-893.	2.6	6
64	Allyl isothiocyanate ameliorates insulin resistance through the regulation of mitochondrial function. <i>Journal of Nutritional Biochemistry</i> , 2014, 25, 1026-1034.	4.2	55
65	Quercetin Reduces High-Fat Diet-Induced Fat Accumulation in the Liver by Regulating Lipid Metabolism Genes. <i>Phytotherapy Research</i> , 2013, 27, 139-143.	5.8	204
66	Micro RNA-146b promotes adipogenesis by suppressing the SIRT1-FoxO1 cascade. <i>EMBO Molecular Medicine</i> , 2013, 5, 1602-1612.	6.9	142
67	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. <i>Nutrition Research</i> , 2013, 33, 572-579.	2.9	28
68	Fisetin regulates obesity by targeting mTORC1 signaling. <i>Journal of Nutritional Biochemistry</i> , 2013, 24, 1547-1554.	4.2	47
69	Distinct functions of Ulk1 and Ulk2 in the regulation of lipid metabolism in adipocytes. <i>Autophagy</i> , 2013, 9, 2103-2114.	9.1	76
70	Cholesterol-lowering Effect of Rice Protein by Enhancing Fecal Excretion of Lipids in Rats. <i>Preventive Nutrition and Food Science</i> , 2013, 18, 210-213.	1.6	19
71	SNARE-Wedging Polyphenols as Small Molecular Botox. <i>Planta Medica</i> , 2012, 78, 233-236.	1.3	16
72	<i>Syzygium aromaticum</i> ethanol extract reduces high-fat diet-induced obesity in mice through downregulation of adipogenic and lipogenic gene expression. <i>Experimental and Therapeutic Medicine</i> , 2012, 4, 409-414.	1.8	28

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73	<i>Alpinia officinarum</i> Inhibits Adipocyte Differentiation and High-Fat Diet-Induced Obesity in Mice Through Regulation of Adipogenesis and Lipogenesis. <i>Journal of Medicinal Food</i> , 2012, 15, 959-967.	1.5	44
74	Wogonin induces apoptosis by activating the AMPK and p53 signaling pathways in human glioblastoma cells. <i>Cellular Signalling</i> , 2012, 24, 2216-2225.	3.6	77
75	Neuroprotective effects of Schisandrin B against transient focal cerebral ischemia in Sprague-Dawley rats. <i>Food and Chemical Toxicology</i> , 2012, 50, 4239-4245.	3.6	73
76	Guidelines for the use and interpretation of assays for monitoring autophagy. <i>Autophagy</i> , 2012, 8, 445-544.	9.1	3,122
77	Hsp90-Cdc37 Chaperone Complex Regulates Ulk1- and Atg13-Mediated Mitophagy. <i>Molecular Cell</i> , 2011, 43, 572-585.	9.7	211
78	ULK1 inhibits the kinase activity of mTORC1 and cell proliferation. <i>Autophagy</i> , 2011, 7, 1212-1221.	9.1	143
79	mTOR regulation of autophagy. <i>FEBS Letters</i> , 2010, 584, 1287-1295.	2.8	1,790
80	Dissection of SNARE-driven membrane fusion and neuroexocytosis by wedging small hydrophobic molecules into the SNARE zipper. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 22145-22150.	7.1	47
81	Selective Cytotoxic Effects on Human Cancer Cell Lines of Phenolic-Rich Ethyl-Acetate Fraction from <i>Rhus verniciflua</i> Stokes. <i>The American Journal of Chinese Medicine</i> , 2009, 37, 609-620.	3.8	31
82	ULK-Atg13-FIP200 Complexes Mediate mTOR Signaling to the Autophagy Machinery. <i>Molecular Biology of the Cell</i> , 2009, 20, 1992-2003.	2.1	1,725
83	Phenolic-rich fraction from <i>Rhus verniciflua</i> Stokes (RVS) suppress inflammatory response via NF- κ B and JNK pathway in lipopolysaccharide-induced RAW 264.7 macrophages. <i>Journal of Ethnopharmacology</i> , 2007, 110, 490-497.	4.1	96
84	<i>Eleutherococcus senticosus</i> extract attenuates LPS-induced iNOS expression through the inhibition of Akt and JNK pathways in murine macrophage. <i>Journal of Ethnopharmacology</i> , 2007, 113, 183-187.	4.1	54
85	Antihyperglycemic Activity of Herb Extracts on Streptozotocin-Induced Diabetic Rats. <i>Bioscience, Biotechnology and Biochemistry</i> , 2006, 70, 2556-2559.	1.3	47
86	<i>Rhus verniciflua</i> Stokes Extract: Radical Scavenging Activities and Protective Effects on H ₂ O ₂ -Induced Cytotoxicity in Macrophage RAW 264.7 Cell Lines. <i>Biological and Pharmaceutical Bulletin</i> , 2006, 29, 1603-1607.	1.4	65