

Soonkyu Chung

List of Publications by Year in Descending Order

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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.

86
papers

2,654
citations

31
h-index

50
g-index

92
ext. papers

3,203
ext. citations

5
avg, IF

6.07
L-index

#	Paper	IF	Citations
86	Visceral adipose tissue remodeling in pancreatic ductal adenocarcinoma cachexia: the role of activin A signaling.. <i>Scientific Reports</i> , 2022 , 12, 1659	4.9	0
85	Development of ovarian tumour causes significant loss of muscle and adipose tissue: a novel mouse model for cancer cachexia study.. <i>Journal of Cachexia, Sarcopenia and Muscle</i> , 2022 ,	10.3	4
84	Arsenic Toxicity on Metabolism and Autophagy in Adipose and Muscle Tissues.. <i>Antioxidants</i> , 2022 , 11,	7.1	2
83	Therapeutic potential of garlic chive-derived vesicle-like nanoparticles in NLRP3 inflammasome-mediated inflammatory diseases. <i>Theranostics</i> , 2021 , 11, 9311-9330	12.1	0
82	The Gut Microbiota Regulates the Metabolic Benefits Mediated by Red Raspberry Polyphenols. <i>Current Developments in Nutrition</i> , 2021 , 5, 1187-1187	0.4	0
81	The Influence of High-Fat Diet in Early Life on Intestinal Tumorigenesis in APC1638N Mice. <i>Current Developments in Nutrition</i> , 2021 , 5, 272-272	0.4	78
80	Impact of High-Fat Diet in Early-Life on Mammary Metabolic and Inflammatory Status in Later-Life in Mice. <i>Current Developments in Nutrition</i> , 2021 , 5, 54-54	0.4	
79	Diet-Induced Non-anemic Iron Deficiency Attenuates Adaptive Thermogenesis via Defective Iron Metabolism of Adipose Tissue in C57BL/6 Mice. <i>Current Developments in Nutrition</i> , 2021 , 5, 1330-1330	0.4	78
78	Loss of Thermogenic Energy Expenditure via Targeted Deletion of Transferrin Receptor 1 in Adipocytes Instigates Hepatic Steatosis and Insulin Resistance. <i>Current Developments in Nutrition</i> , 2021 , 5, 954-954	0.4	78
77	Obesity-Induced Tumor Necrosis Factor Alpha Suppresses In Vivo and In Vitro Retinoic Acid Synthesis and Fatty Acid Oxidation in Adipose Tissue. <i>Current Developments in Nutrition</i> , 2021 , 5, 955-955	0.4	78
76	Polyphenolic fractions isolated from red raspberry whole fruit, pulp, and seed differentially alter the gut microbiota of mice with diet-induced obesity. <i>Journal of Functional Foods</i> , 2021 , 76, 104288	5.1	6
75	Immunomodulatory Role of Urolithin A on Metabolic Diseases. <i>Biomedicines</i> , 2021 , 9,	4.8	13
74	Dietary Iron Deficiency Modulates Adipocyte Iron Homeostasis, Adaptive Thermogenesis, and Obesity in C57BL/6 Mice. <i>Journal of Nutrition</i> , 2021 , 151, 2967-2975	4.1	1
73	The thermogenic characteristics of adipocytes are dependent on the regulation of iron homeostasis. <i>Journal of Biological Chemistry</i> , 2021 , 296, 100452	5.4	6
72	Alpha-Linolenic Acid-Enriched Butter Promotes Fatty Acid Remodeling and Thermogenic Activation in the Brown Adipose Tissue. <i>Nutrients</i> , 2020 , 12,	6.7	11
71	Is Exercise a Match for Cold Exposure? Common Molecular Framework for Adipose Tissue Browning. <i>International Journal of Sports Medicine</i> , 2020 , 41, 427-442	3.6	7
70	Differential Effects of Whole Red Raspberry Polyphenols and Their Gut Metabolite Urolithin A on Neuroinflammation in BV-2 Microglia. <i>International Journal of Environmental Research and Public Health</i> , 2020 , 18,	4.6	4

69	Linolenic acid-enriched butter attenuated high fat diet-induced insulin resistance and inflammation by promoting bioconversion of n-3 PUFA and subsequent oxylipin formation. <i>Journal of Nutritional Biochemistry</i> , 2020 , 76, 108285	6.3	15
68	Apigenin Reverses Interleukin-1 β Induced Suppression of Adipocyte Browning via COX2/PGE2 Signaling Pathway in Human Adipocytes. <i>Molecular Nutrition and Food Research</i> , 2020 , 64, e1900925	5.9	6
67	Red Raspberry Polyphenols Attenuate High-Fat Diet-Driven Activation of NLRP3 Inflammasome and its Paracrine Suppression of Adipogenesis via Histone Modifications. <i>Molecular Nutrition and Food Research</i> , 2020 , 64, e1900995	5.9	11
66	Sestrin2 Phosphorylation by ULK1 Induces Autophagic Degradation of Mitochondria Damaged by Copper-Induced Oxidative Stress. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	6
65	Urolithin A, a Gut Metabolite, Improves Insulin Sensitivity Through Augmentation of Mitochondrial Function and Biogenesis. <i>Obesity</i> , 2019 , 27, 612-620	8	34
64	Adaptive thermogenesis by dietary n-3 polyunsaturated fatty acids: Emerging evidence and mechanisms. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2019 , 1864, 59-70	5	22
63	Manufacturing human pluripotent stem cell derived endothelial cells in scalable and cell-friendly microenvironments. <i>Biomaterials Science</i> , 2018 , 7, 373-388	7.4	5
62	Targeted Deletion of Adipocyte Abca1 (ATP-Binding Cassette Transporter A1) Impairs Diet-Induced Obesity. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2018 , 38, 733-743	9.4	25
61	Inhibitory Effects of Toll-Like Receptor 4, NLRP3 Inflammasome, and Interleukin-1 β on White Adipocyte Browning. <i>Inflammation</i> , 2018 , 41, 626-642	5.1	41
60	Effects of tunable, 3D-bioprinted hydrogels on human brown adipocyte behavior and metabolic function. <i>Acta Biomaterialia</i> , 2018 , 71, 486-495	10.8	25
59	A Scalable and Efficient Bioprocess for Manufacturing Human Pluripotent Stem Cell-Derived Endothelial Cells. <i>Stem Cell Reports</i> , 2018 , 11, 454-469	8	14
58	Gamma-tocotrienol attenuates the aberrant lipid mediator production in NLRP3 inflammasome-stimulated macrophages. <i>Journal of Nutritional Biochemistry</i> , 2018 , 58, 169-177	6.3	12
57	Maternal n-3 PUFA supplementation promotes fetal brown adipose tissue development through epigenetic modifications in C57BL/6 mice. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2018 , 1863, 1488-1497	5	20
56	Gamma-Tocotrienol Attenuates the Hepatic Inflammation and Fibrosis by Suppressing Endoplasmic Reticulum Stress in Mice. <i>Molecular Nutrition and Food Research</i> , 2018 , 62, e1800519	5.9	16
55	Mechanically robust cryogels with injectability and bioprinting supportability for adipose tissue engineering. <i>Acta Biomaterialia</i> , 2018 , 74, 131-142	10.8	30
54	Dietary Factors Promoting Brown and Beige Fat Development and Thermogenesis. <i>Advances in Nutrition</i> , 2017 , 8, 473-483	10	88
53	Hepatocyte ABCA1 Deletion Impairs Liver Insulin Signaling and Lipogenesis. <i>Cell Reports</i> , 2017 , 19, 2116-2129	10.8	20
52	Annatto Tocotrienol Attenuates NLRP3 Inflammasome Activation in Macrophages. <i>Current Developments in Nutrition</i> , 2017 , 1, e000760	0.4	7

51	Hepatic ABCA1 deficiency is associated with delayed apolipoprotein B secretory trafficking and augmented VLDL triglyceride secretion. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2017 , 1862, 1035-1043	5	9
50	Improvements in Metabolic Health with Consumption of Ellagic Acid and Subsequent Conversion into Urolithins: Evidence and Mechanisms. <i>Advances in Nutrition</i> , 2016 , 7, 961-72	10	81
49	Dietary cholesterol effects on adipose tissue inflammation. <i>Current Opinion in Lipidology</i> , 2016 , 27, 19-25.	4.4	30
48	Suppression of NLRP3 inflammasome by β -tocotrienol ameliorates type 2 diabetes. <i>Journal of Lipid Research</i> , 2016 , 57, 66-76	6.3	53
47	Urolithin A, C, and D, but not iso-urolithin A and urolithin B, attenuate triglyceride accumulation in human cultures of adipocytes and hepatocytes. <i>Molecular Nutrition and Food Research</i> , 2016 , 60, 1129-38	5.9	62
46	Raspberry seed flour attenuates high-sucrose diet-mediated hepatic stress and adipose tissue inflammation. <i>Journal of Nutritional Biochemistry</i> , 2016 , 32, 64-72	6.3	33
45	Regulation of Obesity and Metabolic Complications by Gamma and Delta Tocotrienols. <i>Molecules</i> , 2016 , 21, 344	4.8	26
44	Nutrigenomic Functions of PPARs in Obesogenic Environments. <i>PPAR Research</i> , 2016 , 2016, 4794576	4.3	12
43	Eicosapentaenoic Acid Potentiates Brown Thermogenesis through FFAR4-dependent Up-regulation of miR-30b and miR-378. <i>Journal of Biological Chemistry</i> , 2016 , 291, 20551-62	5.4	67
42	Muscadine grape seed oil as a novel source of tocotrienols to reduce adipogenesis and adipocyte inflammation. <i>Food and Function</i> , 2015 , 6, 2293-302	6.1	27
41	Activation of Toll-like receptor 4 (TLR4) attenuates adaptive thermogenesis via endoplasmic reticulum stress. <i>Journal of Biological Chemistry</i> , 2015 , 290, 26476-90	5.4	64
40	BMP7 drives human adipogenic stem cells into metabolically active beige adipocytes. <i>Lipids</i> , 2015 , 50, 111-20	1.6	48
39	Ellagic acid modulates lipid accumulation in primary human adipocytes and human hepatoma Huh7 cells via discrete mechanisms. <i>Journal of Nutritional Biochemistry</i> , 2015 , 26, 82-90	6.3	37
38	Ellagic Acid Supplementation Attenuates Sucrose-Induced Obesity and Metabolic Complication in C57BL/6 mice. <i>FASEB Journal</i> , 2015 , 29, 402.6	0.9	
37	Urolithin C, a Gut Microbiota Metabolite Derived from Ellagic Acid, Attenuates Triglyceride Accumulation in Human Adipocytes and Hepatoma Huh7 Cells. <i>FASEB Journal</i> , 2015 , 29, 130.1	0.9	1
36	Activation of autophagy and AMPK by gamma-tocotrienol suppresses the adipogenesis in human adipose derived stem cells. <i>Molecular Nutrition and Food Research</i> , 2014 , 58, 569-79	5.9	29
35	Ocular inflammation and endoplasmic reticulum stress are attenuated by supplementation with grape polyphenols in human retinal pigmented epithelium cells and in C57BL/6 mice. <i>Journal of Nutrition</i> , 2014 , 144, 799-806	4.1	23
34	Dietary cholesterol promotes adipocyte hypertrophy and adipose tissue inflammation in visceral, but not in subcutaneous, fat in monkeys. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2014 , 34, 1880-7	9.4	26

33	Ellagic acid inhibits adipocyte differentiation through coactivator-associated arginine methyltransferase 1-mediated chromatin modification. <i>Journal of Nutritional Biochemistry</i> , 2014 , 25, 946-53	6.3	34
32	Ellagic acid attenuates adipocyte and hepatic triglyceride contents via discrete mechanisms (269.6). <i>FASEB Journal</i> , 2014 , 28, 269.6	0.9	
31	Ocular endoplasmic reticulum stress and inflammation is attenuated by supplementation with muscadine grape polyphenols in vitro and in vivo (1045.2). <i>FASEB Journal</i> , 2014 , 28, 1045.2	0.9	
30	Ellagic acid attenuates adipocyte differentiation via histone arginine methylation-associated epigenetic modification (271.2). <i>FASEB Journal</i> , 2014 , 28, 271.2	0.9	
29	Gamma tocotrienol improves high fat diet-induced obesity and insulin resistance by inhibiting adipose inflammation and macrophage recruitment (383.4). <i>FASEB Journal</i> , 2014 , 28, 383.4	0.9	
28	Myeloid cell-specific ABCA1 deletion does not worsen insulin resistance in HF diet-induced or genetically obese mouse models. <i>Journal of Lipid Research</i> , 2013 , 54, 2708-17	6.3	7
27	Echium oil reduces plasma triglycerides by increasing intravascular lipolysis in apoB100-only low density lipoprotein (LDL) receptor knockout mice. <i>Nutrients</i> , 2013 , 5, 2629-45	6.7	7
26	Gamma-tocotrienol antagonizes adipogenesis through activation of AMPK/autophagy axis in primary human adipocytes. <i>FASEB Journal</i> , 2013 , 27, 222.6	0.9	
25	Ellagic acid inhibits hyperplastic conversion of human adiposederived stem cells through histone deacetylase-dependent mechanisms. <i>FASEB Journal</i> , 2013 , 27, 247.6	0.9	
24	Trans-10, cis-12 conjugated linoleic acid decreases de novo lipid synthesis in human adipocytes. <i>Journal of Nutritional Biochemistry</i> , 2012 , 23, 580-90	6.3	28
23	Differential effects of grape powder and its extract on glucose tolerance and chronic inflammation in high-fat-fed obese mice. <i>Journal of Agricultural and Food Chemistry</i> , 2012 , 60, 12458-68	5.7	31
22	Muscadine grape (<i>Vitis rotundifolia</i>) and wine phytochemicals prevented obesity-associated metabolic complications in C57BL/6J mice. <i>Journal of Agricultural and Food Chemistry</i> , 2012 , 60, 7674-81	5.7	42
21	Hepatic ABCA1 and VLDL triglyceride production. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2012 , 1821, 770-7	5	29
20	Hepatic ABC transporters and triglyceride metabolism. <i>Current Opinion in Lipidology</i> , 2012 , 23, 196-200	4.4	28
19	CGI-58/ABHD5-derived signaling lipids regulate systemic inflammation and insulin action. <i>Diabetes</i> , 2012 , 61, 355-63	0.9	35
18	Transcriptional attributes of constitutively active brown adipose tissue in nonhuman primates. <i>FASEB Journal</i> , 2012 , 26, 819.31	0.9	
17	Brown adipocyte commitment of primary human adipose stem cells in vitro. <i>FASEB Journal</i> , 2012 , 26, 819.9	0.9	
16	Nutraceutical Values of Muscadine against Obesity and Metabolic Complications in-vivo. <i>FASEB Journal</i> , 2012 , 26, 818.6	0.9	1

15	Adipose tissue ATP binding cassette transporter A1 contributes to high-density lipoprotein biogenesis in vivo. <i>Circulation</i> , 2011 , 124, 1663-72	16.7	65
14	Niemann-Pick C1-Like 1 deletion in mice prevents high-fat diet-induced fatty liver by reducing lipogenesis. <i>Journal of Lipid Research</i> , 2010 , 51, 3135-44	6.3	50
13	Targeted deletion of hepatocyte ABCA1 leads to very low density lipoprotein triglyceride overproduction and low density lipoprotein hypercatabolism. <i>Journal of Biological Chemistry</i> , 2010 , 285, 12197-209	5.4	50
12	Inflammation and insulin resistance induced by trans-10, cis-12 conjugated linoleic acid depend on intracellular calcium levels in primary cultures of human adipocytes. <i>Journal of Lipid Research</i> , 2010 , 51, 1906-17	6.3	41
11	Combined therapy of dietary fish oil and stearoyl-CoA desaturase 1 inhibition prevents the metabolic syndrome and atherosclerosis. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2010 , 30, 24-30	9.4	52
10	A novel role for ABCA1-generated large pre-beta migrating nascent HDL in the regulation of hepatic VLDL triglyceride secretion. <i>Journal of Lipid Research</i> , 2010 , 51, 729-42	6.3	30
9	Inhibition of stearoyl-coenzyme A desaturase 1 dissociates insulin resistance and obesity from atherosclerosis. <i>Circulation</i> , 2008 , 118, 1467-75	16.7	125
8	Trans-10, cis-12 conjugated linoleic acid antagonizes ligand-dependent PPARgamma activity in primary cultures of human adipocytes. <i>Journal of Nutrition</i> , 2008 , 138, 455-61	4.1	57
7	CGI-58 facilitates the mobilization of cytoplasmic triglyceride for lipoprotein secretion in hepatoma cells. <i>Journal of Lipid Research</i> , 2007 , 48, 2295-305	6.3	42
6	Docosahexanoic acid (DHA) Attenuates Inflammation in Primary Cultures of Human (Pre)adipocytes. <i>FASEB Journal</i> , 2007 , 21, A735	0.9	
5	Preadipocytes mediate lipopolysaccharide-induced inflammation and insulin resistance in primary cultures of newly differentiated human adipocytes. <i>Endocrinology</i> , 2006 , 147, 5340-51	4.8	195
4	Lipid-Lowering Actions of trans-10, cis-12 Conjugated Linoleic Acid in Primary Cultures of Human (Pre) Adipocytes 2006 , 227-238		
3	Trans-10,cis-12 CLA increases adipocyte lipolysis and alters lipid droplet-associated proteins: role of mTOR and ERK signaling. <i>Journal of Lipid Research</i> , 2005 , 46, 885-95	6.3	63
2	Conjugated linoleic acid promotes human adipocyte insulin resistance through NFkappaB-dependent cytokine production. <i>Journal of Biological Chemistry</i> , 2005 , 280, 38445-56	5.4	130
1	Conjugated linoleic acid induces human adipocyte delipidation: autocrine/paracrine regulation of MEK/ERK signaling by adipocytokines. <i>Journal of Biological Chemistry</i> , 2004 , 279, 26735-47	5.4	119