

# Soonkyu Chung

## List of Publications by Citations

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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	Preadipocytes mediate lipopolysaccharide-induced inflammation and insulin resistance in primary cultures of newly differentiated human adipocytes. <i>Endocrinology</i> , <b>2006</b> , 147, 5340-51	4.8	195
85	Conjugated linoleic acid promotes human adipocyte insulin resistance through NFkappaB-dependent cytokine production. <i>Journal of Biological Chemistry</i> , <b>2005</b> , 280, 38445-56	5.4	130
84	Inhibition of stearoyl-coenzyme A desaturase 1 dissociates insulin resistance and obesity from atherosclerosis. <i>Circulation</i> , <b>2008</b> , 118, 1467-75	16.7	125
83	Conjugated linoleic acid induces human adipocyte delipidation: autocrine/paracrine regulation of MEK/ERK signaling by adipocytokines. <i>Journal of Biological Chemistry</i> , <b>2004</b> , 279, 26735-47	5.4	119
82	Dietary Factors Promoting Brown and Beige Fat Development and Thermogenesis. <i>Advances in Nutrition</i> , <b>2017</b> , 8, 473-483	10	88
81	Improvements in Metabolic Health with Consumption of Ellagic Acid and Subsequent Conversion into Urolithins: Evidence and Mechanisms. <i>Advances in Nutrition</i> , <b>2016</b> , 7, 961-72	10	81
80	The Influence of High-Fat Diet in Early Life on Intestinal Tumorigenesis in APC1638N Mice. <i>Current Developments in Nutrition</i> , <b>2021</b> , 5, 272-272	0.4	78
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> , <b>2021</b> , 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> , <b>2021</b> , 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> , <b>2021</b> , 5, 955-955	0.4	78
76	Eicosapentaenoic Acid Potentiates Brown Thermogenesis through FFAR4-dependent Up-regulation of miR-30b and miR-378. <i>Journal of Biological Chemistry</i> , <b>2016</b> , 291, 20551-62	5.4	67
75	Adipose tissue ATP binding cassette transporter A1 contributes to high-density lipoprotein biogenesis in vivo. <i>Circulation</i> , <b>2011</b> , 124, 1663-72	16.7	65
74	Activation of Toll-like receptor 4 (TLR4) attenuates adaptive thermogenesis via endoplasmic reticulum stress. <i>Journal of Biological Chemistry</i> , <b>2015</b> , 290, 26476-90	5.4	64
73	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> , <b>2005</b> , 46, 885-95	6.3	63
72	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> , <b>2016</b> , 60, 1129-38	5.9	62
71	Trans-10, cis-12 conjugated linoleic acid antagonizes ligand-dependent PPARgamma activity in primary cultures of human adipocytes. <i>Journal of Nutrition</i> , <b>2008</b> , 138, 455-61	4.1	57
70	Suppression of NLRP3 inflammasome by Etcotrienol ameliorates type 2 diabetes. <i>Journal of Lipid Research</i> , <b>2016</b> , 57, 66-76	6.3	53

69	Combined therapy of dietary fish oil and stearyl-CoA desaturase 1 inhibition prevents the metabolic syndrome and atherosclerosis. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2010</b> , 30, 24-30	9.4	52
68	Niemann-Pick C1-Like 1 deletion in mice prevents high-fat diet-induced fatty liver by reducing lipogenesis. <i>Journal of Lipid Research</i> , <b>2010</b> , 51, 3135-44	6.3	50
67	Targeted deletion of hepatocyte ABCA1 leads to very low density lipoprotein triglyceride overproduction and low density lipoprotein hypercatabolism. <i>Journal of Biological Chemistry</i> , <b>2010</b> , 285, 12197-209	5.4	50
66	BMP7 drives human adipogenic stem cells into metabolically active beige adipocytes. <i>Lipids</i> , <b>2015</b> , 50, 111-20	1.6	48
65	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> , <b>2012</b> , 60, 7674-81	5.7	42
64	CGI-58 facilitates the mobilization of cytoplasmic triglyceride for lipoprotein secretion in hepatoma cells. <i>Journal of Lipid Research</i> , <b>2007</b> , 48, 2295-305	6.3	42
63	Inhibitory Effects of Toll-Like Receptor 4, NLRP3 Inflammasome, and Interleukin-1 $\beta$ on White Adipocyte Browning. <i>Inflammation</i> , <b>2018</b> , 41, 626-642	5.1	41
62	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> , <b>2010</b> , 51, 1906-17	6.3	41
61	Ellagic acid modulates lipid accumulation in primary human adipocytes and human hepatoma Huh7 cells via discrete mechanisms. <i>Journal of Nutritional Biochemistry</i> , <b>2015</b> , 26, 82-90	6.3	37
60	CGI-58/ABHD5-derived signaling lipids regulate systemic inflammation and insulin action. <i>Diabetes</i> , <b>2012</b> , 61, 355-63	0.9	35
59	Urolithin A, a Gut Metabolite, Improves Insulin Sensitivity Through Augmentation of Mitochondrial Function and Biogenesis. <i>Obesity</i> , <b>2019</b> , 27, 612-620	8	34
58	Ellagic acid inhibits adipocyte differentiation through coactivator-associated arginine methyltransferase 1-mediated chromatin modification. <i>Journal of Nutritional Biochemistry</i> , <b>2014</b> , 25, 946-53	6.3	34
57	Raspberry seed flour attenuates high-sucrose diet-mediated hepatic stress and adipose tissue inflammation. <i>Journal of Nutritional Biochemistry</i> , <b>2016</b> , 32, 64-72	6.3	33
56	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> , <b>2012</b> , 60, 12458-68	5.7	31
55	Dietary cholesterol effects on adipose tissue inflammation. <i>Current Opinion in Lipidology</i> , <b>2016</b> , 27, 19-25	4.4	30
54	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> , <b>2010</b> , 51, 729-42	6.3	30
53	Mechanically robust cryogels with injectability and bioprinting supportability for adipose tissue engineering. <i>Acta Biomaterialia</i> , <b>2018</b> , 74, 131-142	10.8	30
52	Activation of autophagy and AMPK by gamma-tocotrienol suppresses the adipogenesis in human adipose derived stem cells. <i>Molecular Nutrition and Food Research</i> , <b>2014</b> , 58, 569-79	5.9	29

51	Hepatic ABCA1 and VLDL triglyceride production. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , <b>2012</b> , 1821, 770-7	5	29
50	Trans-10, cis-12 conjugated linoleic acid decreases de novo lipid synthesis in human adipocytes. <i>Journal of Nutritional Biochemistry</i> , <b>2012</b> , 23, 580-90	6.3	28
49	Hepatic ABC transporters and triglyceride metabolism. <i>Current Opinion in Lipidology</i> , <b>2012</b> , 23, 196-200	4.4	28
48	Muscadine grape seed oil as a novel source of tocotrienols to reduce adipogenesis and adipocyte inflammation. <i>Food and Function</i> , <b>2015</b> , 6, 2293-302	6.1	27
47	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> , <b>2014</b> , 34, 1880-7	9.4	26
46	Regulation of Obesity and Metabolic Complications by Gamma and Delta Tocotrienols. <i>Molecules</i> , <b>2016</b> , 21, 344	4.8	26
45	Targeted Deletion of Adipocyte Abca1 (ATP-Binding Cassette Transporter A1) Impairs Diet-Induced Obesity. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2018</b> , 38, 733-743	9.4	25
44	Effects of tunable, 3D-bioprinted hydrogels on human brown adipocyte behavior and metabolic function. <i>Acta Biomaterialia</i> , <b>2018</b> , 71, 486-495	10.8	25
43	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> , <b>2014</b> , 144, 799-806	4.1	23
42	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> , <b>2019</b> , 1864, 59-70	5	22
41	Hepatocyte ABCA1 Deletion Impairs Liver Insulin Signaling and Lipogenesis. <i>Cell Reports</i> , <b>2017</b> , 19, 2116-2129	21.89	20
40	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> , <b>2018</b> , 1863, 1488-1497	5	20
39	Gamma-Tocotrienol Attenuates the Hepatic Inflammation and Fibrosis by Suppressing Endoplasmic Reticulum Stress in Mice. <i>Molecular Nutrition and Food Research</i> , <b>2018</b> , 62, e1800519	5.9	16
38	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> , <b>2020</b> , 76, 108285	6.3	15
37	A Scalable and Efficient Bioprocess for Manufacturing Human Pluripotent Stem Cell-Derived Endothelial Cells. <i>Stem Cell Reports</i> , <b>2018</b> , 11, 454-469	8	14
36	Immunomodulatory Role of Urolithin A on Metabolic Diseases. <i>Biomedicines</i> , <b>2021</b> , 9,	4.8	13
35	Gamma-tocotrienol attenuates the aberrant lipid mediator production in NLRP3 inflammasome-stimulated macrophages. <i>Journal of Nutritional Biochemistry</i> , <b>2018</b> , 58, 169-177	6.3	12
34	Nutrigenomic Functions of PPARs in Obesogenic Environments. <i>PPAR Research</i> , <b>2016</b> , 2016, 4794576	4.3	12

33	Alpha-Linolenic Acid-Enriched Butter Promotes Fatty Acid Remodeling and Thermogenic Activation in the Brown Adipose Tissue. <i>Nutrients</i> , <b>2020</b> , 12,	6.7	11
32	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> , <b>2020</b> , 64, e1900995	5.9	11
31	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> , <b>2017</b> , 1862, 1035-1043	5	9
30	Annatto Tocotrienol Attenuates NLRP3 Inflammasome Activation in Macrophages. <i>Current Developments in Nutrition</i> , <b>2017</b> , 1, e000760	0.4	7
29	Is Exercise a Match for Cold Exposure? Common Molecular Framework for Adipose Tissue Browning. <i>International Journal of Sports Medicine</i> , <b>2020</b> , 41, 427-442	3.6	7
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> , <b>2013</b> , 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> , <b>2013</b> , 5, 2629-45	6.7	7
26	Apigenin Reverses Interleukin-1β Induced Suppression of Adipocyte Browning via COX2/PGE2 Signaling Pathway in Human Adipocytes. <i>Molecular Nutrition and Food Research</i> , <b>2020</b> , 64, e1900925	5.9	6
25	Sestrin2 Phosphorylation by ULK1 Induces Autophagic Degradation of Mitochondria Damaged by Copper-Induced Oxidative Stress. <i>International Journal of Molecular Sciences</i> , <b>2020</b> , 21,	6.3	6
24	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> , <b>2021</b> , 76, 104288	5.1	6
23	The thermogenic characteristics of adipocytes are dependent on the regulation of iron homeostasis. <i>Journal of Biological Chemistry</i> , <b>2021</b> , 296, 100452	5.4	6
22	Manufacturing human pluripotent stem cell derived endothelial cells in scalable and cell-friendly microenvironments. <i>Biomaterials Science</i> , <b>2018</b> , 7, 373-388	7.4	5
21	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> , <b>2022</b> ,	10.3	4
20	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> , <b>2020</b> , 18,	4.6	4
19	Arsenic Toxicity on Metabolism and Autophagy in Adipose and Muscle Tissues.. <i>Antioxidants</i> , <b>2022</b> , 11,	7.1	2
18	Urolithin C, a Gut Microbiota Metabolite Derived from Ellagic Acid, Attenuates Triglyceride Accumulation in Human Adipocytes and Hepatoma Huh7 Cells. <i>FASEB Journal</i> , <b>2015</b> , 29, 130.1	0.9	1
17	Nutraceutical Values of Muscadine against Obesity and Metabolic Complications in-vivo. <i>FASEB Journal</i> , <b>2012</b> , 26, 818.6	0.9	1
16	Dietary Iron Deficiency Modulates Adipocyte Iron Homeostasis, Adaptive Thermogenesis, and Obesity in C57BL/6 Mice. <i>Journal of Nutrition</i> , <b>2021</b> , 151, 2967-2975	4.1	1

15	Visceral adipose tissue remodeling in pancreatic ductal adenocarcinoma cachexia: the role of activin A signaling.. <i>Scientific Reports</i> , <b>2022</b> , 12, 1659	4.9	○
14	Therapeutic potential of garlic chive-derived vesicle-like nanoparticles in NLRP3 inflammasome-mediated inflammatory diseases. <i>Theranostics</i> , <b>2021</b> , 11, 9311-9330	12.1	○
13	The Gut Microbiota Regulates the Metabolic Benefits Mediated by Red Raspberry Polyphenols. <i>Current Developments in Nutrition</i> , <b>2021</b> , 5, 1187-1187	0.4	○
12	Lipid-Lowering Actions of trans-10, cis-12 Conjugated Linoleic Acid in Primary Cultures of Human (Pre) Adipocytes <b>2006</b> , 227-238		
11	Docosahexanoic acid (DHA) Attenuates Inflammation in Primary Cultures of Human (Pre)adipocytes. <i>FASEB Journal</i> , <b>2007</b> , 21, A735	0.9	
10	Ellagic acid attenuates adipocyte and hepatic triglyceride contents via discrete mechanisms (269.6). <i>FASEB Journal</i> , <b>2014</b> , 28, 269.6	0.9	
9	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> , <b>2014</b> , 28, 1045.2	0.9	
8	Ellagic acid attenuates adipocyte differentiation via histone arginine methylation-associated epigenetic modification (271.2). <i>FASEB Journal</i> , <b>2014</b> , 28, 271.2	0.9	
7	Ellagic Acid Supplementation Attenuates Sucrose-Induced Obesity and Metabolic Complication in C57BL/6 mice. <i>FASEB Journal</i> , <b>2015</b> , 29, 402.6	0.9	
6	Transcriptional attributes of constitutively active brown adipose tissue in nonhuman primates. <i>FASEB Journal</i> , <b>2012</b> , 26, 819.31	0.9	
5	Brown adipocyte commitment of primary human adipose stem cells in vitro. <i>FASEB Journal</i> , <b>2012</b> , 26, 819.9	0.9	
4	Gamma-tocotrienol antagonizes adipogenesis through activation of AMPK/autophagy axis in primary human adipocytes. <i>FASEB Journal</i> , <b>2013</b> , 27, 222.6	0.9	
3	Ellagic acid inhibits hyperplastic conversion of human adipose-derived stem cells through histone deacetylase-dependent mechanisms. <i>FASEB Journal</i> , <b>2013</b> , 27, 247.6	0.9	
2	Gamma tocotrienol improves high fat diet-induced obesity and insulin resistance by inhibiting adipose inflammation and macrophage recruitment (383.4). <i>FASEB Journal</i> , <b>2014</b> , 28, 383.4	0.9	
1	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> , <b>2021</b> , 5, 54-54	0.4	