Dongmin Liu

List of Publications by Year
in descending order

77 papers	5,843 citations	70961 41 h-index	85405 71 g-index
77 all docs	77 docs citations	77 times ranked	8198 citing authors

#	Article	IF	Citations
1	The metabolic regulation of Fuzhuan brick tea in high-fat diet-induced obese mice and the potential contribution of gut microbiota. Food and Function, 2022, 13, 356-374.	2.1	20
2	Deletion of GPR30 Drives the Activation of Mitochondrial Uncoupling Respiration to Induce Adipose Thermogenesis in Female Mice. Frontiers in Endocrinology, 2022, 13, 877152.	1.5	3
3	The Emerging Role of Polyphenols in the Management of Type 2 Diabetes. Molecules, 2021, 26, 703.	1.7	37
4	Dietary Anti-Aging Polyphenols and Potential Mechanisms. Antioxidants, 2021, 10, 283.	2.2	80
5	Sirt1 coordinates with ERÎ± to regulate autophagy and adiposity. Cell Death Discovery, 2021, 7, 53.	2.0	13
6	Dietary Supplementation of Baicalein Affects Gene Expression in Broiler Adipose Tissue During the First Week Post-hatch. Frontiers in Physiology, 2021, 12, 697384.	1.3	8
7	Rosmarinic Acid Potently Detoxifies Amylin Amyloid and Ameliorates Diabetic Pathology in a Transgenic Rat Model of Type 2 Diabetes. ACS Pharmacology and Translational Science, 2021, 4, 1322-1337.	2.5	14
8	Informative title: Incorporation of finger millet affects in vitro starch digestion, nutritional, antioxidative and sensory properties of rice noodles. LWT - Food Science and Technology, 2021, 151, 112145.	2.5	13
9	Natural Compound Resveratrol Attenuates TNF-Alpha-Induced Vascular Dysfunction in Mice and Human Endothelial Cells: The Involvement of the NF-ÎºB Signaling Pathway. International Journal of Molecular Sciences, 2021, 22, 12486.	1.8	14
10	Obesity Measures as Predictors of Type 2 Diabetes and Cardiovascular Diseases among the Jordanian Population: A Cross-Sectional Study. International Journal of Environmental Research and Public Health, 2021, 18, 12187.	1.2	6
11	Chronic stress, epigenetics, and adipose tissue metabolism in the obese state. Nutrition and Metabolism, 2020, 17, 88.	1.3	38
12	Chronic stress and adipose tissue in the anorexic state: endocrine and epigenetic mechanisms. Adipocyte, 2020, 9, 472-483.	1.3	8
13	Flavone Hispidulin Stimulates Glucagonâ€Like Peptideâ€1 Secretion and Ameliorates Hyperglycemia in Streptozotocinâ€Induced Diabetic Mice. Molecular Nutrition and Food Research, 2020, 64, e1900978.	1.5	14
14	Does GPER Really Function as a G Protein-Coupled Estrogen Receptor in vivo?. Frontiers in Endocrinology, 2020, 11, 148.	1.5	93
15	Dietary Epicatechin, A Novel Anti-aging Bioactive Small Molecule. Current Medicinal Chemistry, 2020, 28, 3-18.	1.2	24
16	Dietary epicatechin improves survival and delays skeletal muscle degeneration in aged mice. FASEB Journal, 2019, 33, 965-977.	0.2	44
17	Fuzhuan Brick Tea Attenuates High-Fat Diet-Induced Obesity and Associated Metabolic Disorders by Shaping Gut Microbiota. Journal of Agricultural and Food Chemistry, 2019, 67, 13589-13604.	2.4	97
18	Antidiabetic Effects of Hispidulin in Streptozotocinâ€Induced Insulin Deficient Mice. FASEB Journal, 2019, 33, 834.8.	0.2	2

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19	Estradiol signaling mediates gender difference in visceral adiposity via autophagy. Cell Death and Disease, 2018, 9, 309.	2.7	37
20	The Flavonoid Kaempferol Ameliorates Streptozotocin-Induced Diabetes by Suppressing Hepatic Glucose Production. Molecules, 2018, 23, 2338.	1.7	89
21	Phytonutrient genistein is a survival factor for pancreatic Î²-cells via GPR30-mediated mechanism. Journal of Nutritional Biochemistry, 2018, 58, 59-70.	1.9	27
22	Mapping the B cell epitopes within the major capsid protein L1 of human papillomavirus type 16. International Journal of Biological Macromolecules, 2018, 118, 1354-1361.	3.6	5
23	Dietary Flavonoids in the Prevention of T2D: An Overview. Nutrients, 2018, 10, 438.	1.7	73
24	Kaempferol ameliorates hyperglycemia through suppressing hepatic gluconeogenesis and enhancing hepatic insulin sensitivity in diet-induced obese mice. Journal of Nutritional Biochemistry, 2018, 58, 90-101.	1.9	84
25	The effects of dietary macronutrient composition on lipid metabolism-associated factor gene expression in the adipose tissue of chickens are influenced by fasting and refeeding. BMC Obesity, 2017, 4, 14.	3.1	12
26	Olive Component Oleuropein Promotes Î²-Cell Insulin Secretion and Protects Î²-Cells from Amylin Amyloid-Induced Cytotoxicity. Biochemistry, 2017, 56, 5035-5039.	1.2	46
27	GPR30 regulates diet-induced adiposity in female mice and adipogenesis in vitro. Scientific Reports, 2016, 6, 34302.	1.6	40
28	FoxO1 interacts with transcription factor EB and differentially regulates mitochondrial uncoupling proteins via autophagy in adipocytes. Cell Death Discovery, 2016, 2, 16066.	2.0	41
29	FoxO1 antagonist suppresses autophagy and lipid droplet growth in adipocytes. Cell Cycle, 2016, 15, 2033-2041.	1.3	50
30	Mechanisms by which cocoa flavanols improve metabolic syndrome and related disorders. Journal of Nutritional Biochemistry, 2016, 35, 1-21.	1.9	74
31	Small Molecule Kaempferol Promotes Insulin Sensitivity and Preserved PancreaticÎ²-Cell Mass in Middle-Aged Obese Diabetic Mice. Journal of Diabetes Research, 2015, 2015, 1-14.	1.0	90
32	Beta Cell Function and the Nutritional State: Dietary Factors that Influence Insulin Secretion. Current Diabetes Reports, 2015, 15, 76.	1.7	33
33	Luteolin protects against vascular inflammation in mice and TNF-alpha-induced monocyte adhesion to endothelial cells via suppressing IÎšBÎ±/NF-Î²B signaling pathway. Journal of Nutritional Biochemistry, 2015, 26, 293-302.	1.9	143
34	Baicalein Protects against Type 2 Diabetes via Promoting IsletÎ²-Cell Function in Obese Diabetic Mice. International Journal of Endocrinology, 2014, 2014, 1-13.	0.6	60
35	The flavonoid luteolin induces nitric oxide production and arterial relaxation. European Journal of Nutrition, 2014, 53, 269-275.	1.8	59
36	Dietary antiaging phytochemicals and mechanisms associated with prolonged survival. Journal of Nutritional Biochemistry, 2014, 25, 581-591.	1.9	147

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37	Sulforaphane reduces vascular inflammation in mice and prevents TNF-Î±-induced monocyte adhesion to primary endothelial cells through interfering with the NF-Î²B pathway. Journal of Nutritional Biochemistry, 2014, 25, 824-833.	1.9	62
38	Phytochemical genistein promotes pancreatic betaâ€cell survival and exerts antiâ€diabetic effect via GPR30â€mediated mechanism (1045.44). FASEB Journal, 2014, 28, .	0.2	0
39	Genistein inhibits TNF-Î±-induced endothelial inflammation through the protein kinase pathway A and improves vascular inflammation in C57BL/6 mice. International Journal of Cardiology, 2013, 168, 2637-2645.	0.8	73
40	Recent advances in understanding the anti-diabetic actions of dietary flavonoids. Journal of Nutritional Biochemistry, 2013, 24, 1777-1789.	1.9	415
41	Small molecule kaempferol modulates PDX-1 protein expression and subsequently promotes pancreatic Î²-cell survival and function via CREB. Journal of Nutritional Biochemistry, 2013, 24, 638-646.	1.9	62
42	Anti-diabetic functions of soy isoflavone genistein: mechanisms underlying its effects on pancreatic Î²-cell function. Food and Function, 2013, 4, 200-212.	2.1	190
43	Phytoestrogen Genistein Protects Against Endothelial Barrier Dysfunction in Vascular Endothelial Cells Through PKA-Mediated Suppression of RhoA Signaling. Endocrinology, 2013, 154, 727-737.	1.4	8
44	Regulation of Insulin Synthesis and Secretion and Pancreatic Beta-Cell Dysfunction in Diabetes. Current Diabetes Reviews, 2013, 9, 25-53.	0.6	560
45	Dietary supplementation of ginseng prevents obese and metabolic syndromes in high fat dietâ€fed mice. FASEB Journal, 2013, 27, 224.1.	0.2	0
46	Regulation of insulin synthesis and secretion and pancreatic Beta-cell dysfunction in diabetes. Current Diabetes Reviews, 2013, 9, 25-53.	0.6	222
47	Phytoestrogen Genistein Up-Regulates Endothelial Nitric Oxide Synthase Expression Via Activation of cAMP Response Element-Binding Protein in Human Aortic Endothelial Cells. Endocrinology, 2012, 153, 3190-3198.	1.4	31
48	Genistein Prevents Hyperglycemia-Induced Monocyte Adhesion to Human Aortic Endothelial Cells through Preservation of the cAMP Signaling Pathway and Ameliorates Vascular Inflammation in Obese Diabetic Mice. Journal of Nutrition, 2012, 142, 724-730.	1.3	75
49	Butyrate Activates the cAMP-Protein Kinase A-cAMP Response Element-Binding Protein Signaling Pathway in Caco-2 Cells ,. Journal of Nutrition, 2012, 142, 1-6.	1.3	47
50	CHAPTER 32. Genistein and Insulin Secretory Function. Food and Nutritional Components in Focus, 2012, , 529-540.	0.1	0
51	Genistein ameliorates hyperglycemia in a mouse model of nongenetic type 2 diabetes. Applied Physiology, Nutrition and Metabolism, 2012, 37, 480-488.	0.9	96
52	Epigallocatechin gallate reduces vascular inflammation in db/db mice possibly through an <scp>NF</scp>â€Î²<scp>B</scp>â€mediated mechanism. Molecular Nutrition and Food Research, 2012, 56, 1424-1432.	1.5	47
53	Phytoestrogen genistein upâ€regulates endothelial nitric oxide synthase expression via activation of cAMPâ€responsive elementâ€binding protein in human aortic endothelial cells. FASEB Journal, 2012, 26, 112.2.	0.2	1
54	Molecular targets for botanical compounds genistein and kaempferol to prevent diabetes. FASEB Journal, 2012, 26, 112.1.	0.2	1

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55	Flavonol kaempferol improves chronic hyperglycemia-impaired pancreatic beta-cell viability and insulin secretory function. European Journal of Pharmacology, 2011, 670, 325-332.	1.7	163
56	Epigallocatechin gallate delays the onset of type 1 diabetes in spontaneous non-obese diabetic mice. British Journal of Nutrition, 2011, 105, 1218-1225.	1.2	90
57	Ranolazine Increases Î²-Cell Survival and Improves Glucose Homeostasis in Low-Dose Streptozotocin-Induced Diabetes in Mice. Journal of Pharmacology and Experimental Therapeutics, 2011, 337, 50-58.	1.3	54
58	Development of a Nongenetic Mouse Model of Type 2 Diabetes. Experimental Diabetes Research, 2011, 2011, 1-12.	3.8	111
59	Dietary Epicatechin Promotes Survival of Obese Diabetic Mice and Drosophila melanogaster. Journal of Nutrition, 2011, 141, 1095-1100.	1.3	86
60	Genistein Induces Pancreatic Î²-Cell Proliferation through Activation of Multiple Signaling Pathways and Prevents Insulin-Deficient Diabetes in Mice. Endocrinology, 2010, 151, 3026-3037.	1.4	185
61	Evaluation of a novel photoactive and biotinylated dehydroepiandrosterone analog. Molecular and Cellular Endocrinology, 2010, 328, 56-62.	1.6	10
62	An improved nongenetic mouse model for type 2 diabetes. FASEB Journal, 2010, 24, 783.12.	0.2	0
63	Long-term exposure to genistein improves insulin secretory function of pancreatic Î²-cells. European Journal of Pharmacology, 2009, 616, 321-327.	1.7	57
64	Isoflavone genistein protects human vascular endothelial cells against tumor necrosis factor-Î±-induced apoptosis through the p38Î² mitogen-activated protein kinase. Apoptosis: an International Journal on Programmed Cell Death, 2009, 14, 66-76.	2.2	23
65	Soy genistein prevents streptozotocinâ€induced diabetes through regulation of pancreatic betaâ€cell function. FASEB Journal, 2009, 23, 230.8.	0.2	0
66	Dehydroepiandrosterone Stimulates Endothelial Proliferation and Angiogenesis through Extracellular Signal-Regulated Kinase 1/2-Mediated Mechanisms. Endocrinology, 2008, 149, 889-898.	1.4	83
67	Green Tea Catechins and Cardiovascular Health: An Update. Current Medicinal Chemistry, 2008, 15, 1840-1850.	1.2	451
68	Genistein, a Soy Phytoestrogen, Upregulates the Expression of Human Endothelial Nitric Oxide Synthase and Lowers Blood Pressure in Spontaneously Hypertensive Rats1,. Journal of Nutrition, 2008, 138, 297-304.	1.3	121
69	Epicatechin prevents the onset of type I diabetes in nonâ€obese diabetic mice. FASEB Journal, 2008, 22, 701-701.	0.2	9
70	Dehydroepiandrosterone Protects Vascular Endothelial Cells against Apoptosis through a GÎ±i Protein-Dependent Activation of Phosphatidylinositol 3-Kinase/Akt and Regulation of Antiapoptotic Bcl-2 Expression. Endocrinology, 2007, 148, 3068-3076.	1.4	92
71	Genistein Protects against Tumor Necrosis Factorâ€alphaâ€induced Apoptosis of Human Vascular Endothelial Cells. FASEB Journal, 2007, 21, A373.	0.2	0
72	Dehydroepiandrosterone inhibits intracellular calcium release in Î²-cells by a plasma membrane-dependent mechanism. Steroids, 2006, 71, 691-699.	0.8	19

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73	Genistein Acutely Stimulates Insulin Secretion in Pancreatic Â-Cells Through a cAMP-Dependent Protein Kinase Pathway. Diabetes, 2006, 55, 1043-1050.	0.3	215
74	Genistein Activates the 3â€²,5â€²-Cyclic Adenosine Monophosphate Signaling Pathway in Vascular Endothelial Cells and Protects Endothelial Barrier Function. Endocrinology, 2005, 146, 1312-1320.	1.4	60
75	Genistein Acutely Stimulates Nitric Oxide Synthesis in Vascular Endothelial Cells by a Cyclic Adenosine 5â€²-Monophosphate-Dependent Mechanism. Endocrinology, 2004, 145, 5532-5539.	1.4	100
76	Dehydroepiandrosterone stimulates nitric oxide release in vascular endothelial cells: evidence for a cell surface receptor. Steroids, 2004, 69, 279-289.	0.8	124
77	Dehydroepiandrosterone Activates Endothelial Cell Nitric-oxide Synthase by a Specific Plasma Membrane Receptor Coupled to GÎ±i2,3. Journal of Biological Chemistry, 2002, 277, 21379-21388.	1.6	262