

Dongmin Liu

List of Publications by Year in descending order

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77
papers

5,843
citations

71061

41
h-index

85498

71
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all docs

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docs citations

77
times ranked

8198
citing authors

#	ARTICLE	IF	CITATIONS
1	Regulation of Insulin Synthesis and Secretion and Pancreatic Beta-Cell Dysfunction in Diabetes. <i>Current Diabetes Reviews</i> , 2013, 9, 25-53.	0.6	560
2	Green Tea Catechins and Cardiovascular Health: An Update. <i>Current Medicinal Chemistry</i> , 2008, 15, 1840-1850.	1.2	451
3	Recent advances in understanding the anti-diabetic actions of dietary flavonoids. <i>Journal of Nutritional Biochemistry</i> , 2013, 24, 1777-1789.	1.9	415
4	Dehydroepiandrosterone Activates Endothelial Cell Nitric-oxide Synthase by a Specific Plasma Membrane Receptor Coupled to G α 12,3. <i>Journal of Biological Chemistry</i> , 2002, 277, 21379-21388.	1.6	262
5	Regulation of insulin synthesis and secretion and pancreatic Beta-cell dysfunction in diabetes. <i>Current Diabetes Reviews</i> , 2013, 9, 25-53.	0.6	222
6	Genistein Acutely Stimulates Insulin Secretion in Pancreatic β -Cells Through a cAMP-Dependent Protein Kinase Pathway. <i>Diabetes</i> , 2006, 55, 1043-1050.	0.3	215
7	Anti-diabetic functions of soy isoflavone genistein: mechanisms underlying its effects on pancreatic β -cell function. <i>Food and Function</i> , 2013, 4, 200-212.	2.1	190
8	Genistein Induces Pancreatic β -Cell Proliferation through Activation of Multiple Signaling Pathways and Prevents Insulin-Deficient Diabetes in Mice. <i>Endocrinology</i> , 2010, 151, 3026-3037.	1.4	185
9	Flavonol kaempferol improves chronic hyperglycemia-impaired pancreatic beta-cell viability and insulin secretory function. <i>European Journal of Pharmacology</i> , 2011, 670, 325-332.	1.7	163
10	Dietary antiaging phytochemicals and mechanisms associated with prolonged survival. <i>Journal of Nutritional Biochemistry</i> , 2014, 25, 581-591.	1.9	147
11	Luteolin protects against vascular inflammation in mice and TNF-alpha-induced monocyte adhesion to endothelial cells via suppressing I κ B α /NF- κ B signaling pathway. <i>Journal of Nutritional Biochemistry</i> , 2015, 26, 293-302.	1.9	143
12	Dehydroepiandrosterone stimulates nitric oxide release in vascular endothelial cells: evidence for a cell surface receptor. <i>Steroids</i> , 2004, 69, 279-289.	0.8	124
13	Genistein, a Soy Phytoestrogen, Upregulates the Expression of Human Endothelial Nitric Oxide Synthase and Lowers Blood Pressure in Spontaneously Hypertensive Rats1,. <i>Journal of Nutrition</i> , 2008, 138, 297-304.	1.3	121
14	Development of a Nongenetic Mouse Model of Type 2 Diabetes. <i>Experimental Diabetes Research</i> , 2011, 2011, 1-12.	3.8	111
15	Genistein Acutely Stimulates Nitric Oxide Synthesis in Vascular Endothelial Cells by a Cyclic Adenosine 5'-Monophosphate-Dependent Mechanism. <i>Endocrinology</i> , 2004, 145, 5532-5539.	1.4	100
16	Fuzhuan Brick Tea Attenuates High-Fat Diet-Induced Obesity and Associated Metabolic Disorders by Shaping Gut Microbiota. <i>Journal of Agricultural and Food Chemistry</i> , 2019, 67, 13589-13604.	2.4	97
17	Genistein ameliorates hyperglycemia in a mouse model of nongenetic type 2 diabetes. <i>Applied Physiology, Nutrition and Metabolism</i> , 2012, 37, 480-488.	0.9	96
18	Does GPER Really Function as a G Protein-Coupled Estrogen Receptor in vivo?. <i>Frontiers in Endocrinology</i> , 2020, 11, 148.	1.5	93

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19	Dehydroepiandrosterone Protects Vascular Endothelial Cells against Apoptosis through a $\text{G}\beta\text{i}$ Protein-Dependent Activation of Phosphatidylinositol 3-Kinase/Akt and Regulation of Antiapoptotic Bcl-2 Expression. <i>Endocrinology</i> , 2007, 148, 3068-3076.	1.4	92
20	Epigallocatechin gallate delays the onset of type 1 diabetes in spontaneous non-obese diabetic mice. <i>British Journal of Nutrition</i> , 2011, 105, 1218-1225.	1.2	90
21	Small Molecule Kaempferol Promotes Insulin Sensitivity and Preserved Pancreatic β -Cell Mass in Middle-Aged Obese Diabetic Mice. <i>Journal of Diabetes Research</i> , 2015, 2015, 1-14.	1.0	90
22	The Flavonoid Kaempferol Ameliorates Streptozotocin-Induced Diabetes by Suppressing Hepatic Glucose Production. <i>Molecules</i> , 2018, 23, 2338.	1.7	89
23	Dietary Epicatechin Promotes Survival of Obese Diabetic Mice and <i>Drosophila melanogaster</i> . <i>Journal of Nutrition</i> , 2011, 141, 1095-1100.	1.3	86
24	Kaempferol ameliorates hyperglycemia through suppressing hepatic gluconeogenesis and enhancing hepatic insulin sensitivity in diet-induced obese mice. <i>Journal of Nutritional Biochemistry</i> , 2018, 58, 90-101.	1.9	84
25	Dehydroepiandrosterone Stimulates Endothelial Proliferation and Angiogenesis through Extracellular Signal-Regulated Kinase 1/2-Mediated Mechanisms. <i>Endocrinology</i> , 2008, 149, 889-898.	1.4	83
26	Dietary Anti-Aging Polyphenols and Potential Mechanisms. <i>Antioxidants</i> , 2021, 10, 283.	2.2	80
27	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. <i>Journal of Nutrition</i> , 2012, 142, 724-730.	1.3	75
28	Mechanisms by which cocoa flavanols improve metabolic syndrome and related disorders. <i>Journal of Nutritional Biochemistry</i> , 2016, 35, 1-21.	1.9	74
29	Genistein inhibits TNF- α -induced endothelial inflammation through the protein kinase pathway A and improves vascular inflammation in C57BL/6 mice. <i>International Journal of Cardiology</i> , 2013, 168, 2637-2645.	0.8	73
30	Dietary Flavonoids in the Prevention of T2D: An Overview. <i>Nutrients</i> , 2018, 10, 438.	1.7	73
31	Small molecule kaempferol modulates PDX-1 protein expression and subsequently promotes pancreatic β -cell survival and function via CREB. <i>Journal of Nutritional Biochemistry</i> , 2013, 24, 638-646.	1.9	62
32	Sulforaphane reduces vascular inflammation in mice and prevents TNF- α -induced monocyte adhesion to primary endothelial cells through interfering with the NF- κ B pathway. <i>Journal of Nutritional Biochemistry</i> , 2014, 25, 824-833.	1.9	62
33	Genistein Activates the $\text{e}^2,5\text{â€}^2$ -Cyclic Adenosine Monophosphate Signaling Pathway in Vascular Endothelial Cells and Protects Endothelial Barrier Function. <i>Endocrinology</i> , 2005, 146, 1312-1320.	1.4	60
34	Baicalein Protects against Type 2 Diabetes via Promoting Islet β -Cell Function in Obese Diabetic Mice. <i>International Journal of Endocrinology</i> , 2014, 2014, 1-13.	0.6	60
35	The flavonoid luteolin induces nitric oxide production and arterial relaxation. <i>European Journal of Nutrition</i> , 2014, 53, 269-275.	1.8	59
36	Long-term exposure to genistein improves insulin secretory function of pancreatic β -cells. <i>European Journal of Pharmacology</i> , 2009, 616, 321-327.	1.7	57

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37	Ranolazine Increases β -Cell Survival and Improves Glucose Homeostasis in Low-Dose Streptozotocin-Induced Diabetes in Mice. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2011, 337, 50-58.	1.3	54
38	FoxO1 antagonist suppresses autophagy and lipid droplet growth in adipocytes. <i>Cell Cycle</i> , 2016, 15, 2033-2041.	1.3	50
39	Butyrate Activates the cAMP-Protein Kinase A-cAMP Response Element-Binding Protein Signaling Pathway in Caco-2 Cells. <i>Journal of Nutrition</i> , 2012, 142, 1-6.	1.3	47
40	Epigallocatechin gallate reduces vascular inflammation in <i>db/db</i> mice possibly through an NF- κ B-mediated mechanism. <i>Molecular Nutrition and Food Research</i> , 2012, 56, 1424-1432.	1.5	47
41	Olive Component Oleuropein Promotes β -Cell Insulin Secretion and Protects β -Cells from Amylin Amyloid-Induced Cytotoxicity. <i>Biochemistry</i> , 2017, 56, 5035-5039.	1.2	46
42	Dietary epicatechin improves survival and delays skeletal muscle degeneration in aged mice. <i>FASEB Journal</i> , 2019, 33, 965-977.	0.2	44
43	FoxO1 interacts with transcription factor EB and differentially regulates mitochondrial uncoupling proteins via autophagy in adipocytes. <i>Cell Death Discovery</i> , 2016, 2, 16066.	2.0	41
44	GPR30 regulates diet-induced adiposity in female mice and adipogenesis in vitro. <i>Scientific Reports</i> , 2016, 6, 34302.	1.6	40
45	Chronic stress, epigenetics, and adipose tissue metabolism in the obese state. <i>Nutrition and Metabolism</i> , 2020, 17, 88.	1.3	38
46	Estradiol signaling mediates gender difference in visceral adiposity via autophagy. <i>Cell Death and Disease</i> , 2018, 9, 309.	2.7	37
47	The Emerging Role of Polyphenols in the Management of Type 2 Diabetes. <i>Molecules</i> , 2021, 26, 703.	1.7	37
48	Beta Cell Function and the Nutritional State: Dietary Factors that Influence Insulin Secretion. <i>Current Diabetes Reports</i> , 2015, 15, 76.	1.7	33
49	Phytoestrogen Genistein Up-Regulates Endothelial Nitric Oxide Synthase Expression Via Activation of cAMP Response Element-Binding Protein in Human Aortic Endothelial Cells. <i>Endocrinology</i> , 2012, 153, 3190-3198.	1.4	31
50	Phytonutrient genistein is a survival factor for pancreatic β -cells via GPR30-mediated mechanism. <i>Journal of Nutritional Biochemistry</i> , 2018, 58, 59-70.	1.9	27
51	Dietary Epicatechin, A Novel Anti-aging Bioactive Small Molecule. <i>Current Medicinal Chemistry</i> , 2020, 28, 3-18.	1.2	24
52	Isoflavone genistein protects human vascular endothelial cells against tumor necrosis factor- α -induced apoptosis through the p38 β mitogen-activated protein kinase. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2009, 14, 66-76.	2.2	23
53	The metabolic regulation of Fuzhuan brick tea in high-fat diet-induced obese mice and the potential contribution of gut microbiota. <i>Food and Function</i> , 2022, 13, 356-374.	2.1	20
54	Dehydroepiandrosterone inhibits intracellular calcium release in β -cells by a plasma membrane-dependent mechanism. <i>Steroids</i> , 2006, 71, 691-699.	0.8	19

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55	Flavone Hispidulin Stimulates Glucagon-Like Peptide-1 Secretion and Ameliorates Hyperglycemia in Streptozotocin-Induced Diabetic Mice. <i>Molecular Nutrition and Food Research</i> , 2020, 64, e1900978.	1.5	14
56	Rosmarinic Acid Potently Detoxifies Amylin Amyloid and Ameliorates Diabetic Pathology in a Transgenic Rat Model of Type 2 Diabetes. <i>ACS Pharmacology and Translational Science</i> , 2021, 4, 1322-1337.	2.5	14
57	Natural Compound Resveratrol Attenuates TNF-Alpha-Induced Vascular Dysfunction in Mice and Human Endothelial Cells: The Involvement of the NF- κ B Signaling Pathway. <i>International Journal of Molecular Sciences</i> , 2021, 22, 12486.	1.8	14
58	Sirt1 coordinates with ER α to regulate autophagy and adiposity. <i>Cell Death Discovery</i> , 2021, 7, 53.	2.0	13
59	Informative title: Incorporation of finger millet affects in vitro starch digestion, nutritional, antioxidative and sensory properties of rice noodles. <i>LWT - Food Science and Technology</i> , 2021, 151, 112145.	2.5	13
60	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. <i>BMC Obesity</i> , 2017, 4, 14.	3.1	12
61	Evaluation of a novel photoactive and biotinylated dehydroepiandrosterone analog. <i>Molecular and Cellular Endocrinology</i> , 2010, 328, 56-62.	1.6	10
62	Epicatechin prevents the onset of type I diabetes in non-obese diabetic mice. <i>FASEB Journal</i> , 2008, 22, 701-701.	0.2	9
63	Phytoestrogen Genistein Protects Against Endothelial Barrier Dysfunction in Vascular Endothelial Cells Through PKA-Mediated Suppression of RhoA Signaling. <i>Endocrinology</i> , 2013, 154, 727-737.	1.4	8
64	Chronic stress and adipose tissue in the anorexic state: endocrine and epigenetic mechanisms. <i>Adipocyte</i> , 2020, 9, 472-483.	1.3	8
65	Dietary Supplementation of Baicalein Affects Gene Expression in Broiler Adipose Tissue During the First Week Post-hatch. <i>Frontiers in Physiology</i> , 2021, 12, 697384.	1.3	8
66	Obesity Measures as Predictors of Type 2 Diabetes and Cardiovascular Diseases among the Jordanian Population: A Cross-Sectional Study. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 12187.	1.2	6
67	Mapping the B cell epitopes within the major capsid protein L1 of human papillomavirus type 16. <i>International Journal of Biological Macromolecules</i> , 2018, 118, 1354-1361.	3.6	5
68	Deletion of GPR30 Drives the Activation of Mitochondrial Uncoupling Respiration to Induce Adipose Thermogenesis in Female Mice. <i>Frontiers in Endocrinology</i> , 2022, 13, 877152.	1.5	3
69	Antidiabetic Effects of Hispidulin in Streptozotocin-Induced Insulin Deficient Mice. <i>FASEB Journal</i> , 2019, 33, 834.8.	0.2	2
70	Phytoestrogen genistein up-regulates endothelial nitric oxide synthase expression via activation of cAMP-responsive element-binding protein in human aortic endothelial cells. <i>FASEB Journal</i> , 2012, 26, 112.2.	0.2	1
71	Molecular targets for botanical compounds genistein and kaempferol to prevent diabetes. <i>FASEB Journal</i> , 2012, 26, 112.1.	0.2	1
72	CHAPTER 32. Genistein and Insulin Secretory Function. <i>Food and Nutritional Components in Focus</i> , 2012, , 529-540.	0.1	0

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73	Genistein Protects against Tumor Necrosis Factor α -Induced Apoptosis of Human Vascular Endothelial Cells. FASEB Journal, 2007, 21, A373.	0.2	0
74	Soy genistein prevents streptozotocin-induced diabetes through regulation of pancreatic beta-cell function. FASEB Journal, 2009, 23, 230.8.	0.2	0
75	An improved nongenetic mouse model for type 2 diabetes. FASEB Journal, 2010, 24, 783.12.	0.2	0
76	Dietary supplementation of ginseng prevents obese and metabolic syndromes in high fat diet-fed mice. FASEB Journal, 2013, 27, 224.1.	0.2	0
77	Phytochemical genistein promotes pancreatic beta-cell survival and exerts anti-diabetic effect via GPR30-mediated mechanism (1045.44). FASEB Journal, 2014, 28, .	0.2	0