

Ying Liu

List of Publications by Year in descending order

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34
papers

1,936
citations

236925

25
h-index

377865

34
g-index

34
all docs

34
docs citations

34
times ranked

3446
citing authors

#	ARTICLE	IF	CITATIONS
1	Adiponectin Stimulates Autophagy and Reduces Oxidative Stress to Enhance Insulin Sensitivity During High-Fat Diet Feeding in Mice. <i>Diabetes</i> , 2015, 64, 36-48.	0.6	180
2	Adiponectin is expressed by skeletal muscle fibers and influences muscle phenotype and function. <i>American Journal of Physiology - Cell Physiology</i> , 2008, 295, C203-C212.	4.6	143
3	The Furan Fatty Acid Metabolite CMPF Is Elevated in Diabetes and Induces β Cell Dysfunction. <i>Cell Metabolism</i> , 2014, 19, 653-666.	16.2	142
4	A Predictive Metabolic Signature for the Transition From Gestational Diabetes Mellitus to Type 2 Diabetes. <i>Diabetes</i> , 2016, 65, 2529-2539.	0.6	113
5	Globular and full-length forms of adiponectin mediate specific changes in glucose and fatty acid uptake and metabolism in cardiomyocytes. <i>Cardiovascular Research</i> , 2007, 75, 148-157.	3.8	94
6	Elevated Medium-Chain Acylcarnitines Are Associated With Gestational Diabetes Mellitus and Early Progression to Type 2 Diabetes and Induce Pancreatic β -Cell Dysfunction. <i>Diabetes</i> , 2018, 67, 885-897.	0.6	85
7	Adiponectin action in skeletal muscle. <i>Best Practice and Research in Clinical Endocrinology and Metabolism</i> , 2014, 28, 33-41.	4.7	83
8	Adiponectin Corrects High-Fat Diet-Induced Disturbances in Muscle Metabolomic Profile and Whole-Body Glucose Homeostasis. <i>Diabetes</i> , 2013, 62, 743-752.	0.6	79
9	Total and High Molecular Weight But Not Trimeric or Hexameric Forms of Adiponectin Correlate with Markers of the Metabolic Syndrome and Liver Injury in Thai Subjects. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2007, 92, 4313-4318.	3.6	77
10	Functional significance of skeletal muscle adiponectin production, changes in animal models of obesity and diabetes, and regulation by rosiglitazone treatment. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2009, 297, E657-E664.	3.5	77
11	Correlation of circulating full-length visfatin (PBEF/NAMPT) with metabolic parameters in subjects with and without diabetes: a cross-sectional study. <i>Clinical Endocrinology</i> , 2008, 69, 885-893.	2.4	74
12	Adiponectin Action: A Combination of Endocrine and Autocrine/Paracrine Effects. <i>Frontiers in Endocrinology</i> , 2011, 2, 62.	3.5	65
13	Amino acid and lipid metabolism in post-gestational diabetes and progression to type 2 diabetes: A metabolic profiling study. <i>PLoS Medicine</i> , 2020, 17, e1003112.	8.4	63
14	Characterization of Zinc Influx Transporters (ZIPs) in Pancreatic β Cells. <i>Journal of Biological Chemistry</i> , 2015, 290, 18757-18769.	3.4	58
15	Progesterone Receptor Membrane Component 1 Is a Functional Part of the Glucagon-like Peptide-1 (GLP-1) Receptor Complex in Pancreatic β Cells. <i>Molecular and Cellular Proteomics</i> , 2014, 13, 3049-3062.	3.8	48
16	Examining the Potential of Developing and Implementing Use of Adiponectin-Targeted Therapeutics for Metabolic and Cardiovascular Diseases. <i>Frontiers in Endocrinology</i> , 2019, 10, 842.	3.5	48
17	The discovery of novel predictive biomarkers and early-stage pathophysiology for the transition from gestational diabetes to type 2 diabetes. <i>Diabetologia</i> , 2019, 62, 687-703.	6.3	48
18	Rapid Elevation in CMPF May Act As a Tipping Point in Diabetes Development. <i>Cell Reports</i> , 2016, 14, 2889-2900.	6.4	44

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19	Glucolipotoxic conditions induce β -cell iron import, cytosolic ROS formation and apoptosis. <i>Journal of Molecular Endocrinology</i> , 2018, 61, 69-77.	2.5	44
20	GABA promotes β -cell proliferation, but does not overcome impaired glucose homeostasis associated with diet-induced obesity. <i>FASEB Journal</i> , 2019, 33, 3968-3984.	0.5	40
21	Skeletal muscle glucose metabolism and inflammation in the development of the metabolic syndrome. <i>Reviews in Endocrine and Metabolic Disorders</i> , 2014, 15, 299-305.	5.7	38
22	Cardioprotective GLP-1 metabolite prevents ischemic cardiac injury by inhibiting mitochondrial trifunctional protein- β . <i>Journal of Clinical Investigation</i> , 2020, 130, 1392-1404.	8.2	37
23	Holo-lipocalin-2-derived siderophores increase mitochondrial ROS and impair oxidative phosphorylation in rat cardiomyocytes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 1576-1581.	7.1	35
24	CMPF, a Metabolite Formed Upon Prescription Omega-3-Acid Ethyl Ester Supplementation, Prevents and Reverses Steatosis. <i>EBioMedicine</i> , 2018, 27, 200-213.	6.1	35
25	Zip4 Mediated Zinc Influx Stimulates Insulin Secretion in Pancreatic Beta Cells. <i>PLoS ONE</i> , 2015, 10, e0119136.	2.5	29
26	A Novel GLP1 Receptor Interacting Protein ATP6ap2 Regulates Insulin Secretion in Pancreatic Beta Cells. <i>Journal of Biological Chemistry</i> , 2015, 290, 25045-25061.	3.4	25
27	Delivery of adiponectin gene to skeletal muscle using ultrasound targeted microbubbles improves insulin sensitivity and whole body glucose homeostasis. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2013, 304, E168-E175.	3.5	20
28	Metabolomic profiling in liver of adiponectin-knockout mice uncovers lysophospholipid metabolism as an important target of adiponectin action. <i>Biochemical Journal</i> , 2015, 469, 71-82.	3.7	20
29	Synthesis and Characterization of Urofuranoic Acids: In Vivo Metabolism of 2-(2-Carboxyethyl)-4-methyl-5-propylfuran-3-carboxylic Acid (CMPF) and Effects on in Vitro Insulin Secretion. <i>Journal of Medicinal Chemistry</i> , 2017, 60, 1860-1875.	6.4	19
30	Regulation of SOCS-3 expression by leptin and its co-localization with insulin receptor in rat skeletal muscle cells. <i>Molecular and Cellular Endocrinology</i> , 2007, 267, 38-45.	3.2	18
31	An adiponectin-S1P axis protects against lipid induced insulin resistance and cardiomyocyte cell death via reduction of oxidative stress. <i>Nutrition and Metabolism</i> , 2019, 16, 14.	3.0	18
32	3-carboxy-4-methyl-5-propyl-2-furanpropanoic acid (CMPF) prevents high fat diet-induced insulin resistance via maintenance of hepatic lipid homeostasis. <i>Diabetes, Obesity and Metabolism</i> , 2019, 21, 61-72.	4.4	13
33	Pancreatic β cell-selective zinc transporter 8 insufficiency accelerates diabetes associated with islet amyloidosis. <i>JCI Insight</i> , 2021, 6, .	5.0	12
34	Vascepa protects against high-fat diet-induced glucose intolerance, insulin resistance, and impaired β -cell function. <i>IScience</i> , 2021, 24, 102909.	4.1	12