

Gary Sweeney

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3327419/publications.pdf>

Version: 2024-02-01

52
papers

2,426
citations

236925
25
h-index

206112
48
g-index

53
all docs

53
docs citations

53
times ranked

4035
citing authors

#	ARTICLE	IF	CITATIONS
1	Leptin signalling. Cellular Signalling, 2002, 14, 655-663.	3.6	303
2	Adiponectin Stimulates Autophagy and Reduces Oxidative Stress to Enhance Insulin Sensitivity During High-Fat Diet Feeding in Mice. Diabetes, 2015, 64, 36-48.	0.6	180
3	Empagliflozin Blunts Worsening Cardiac Dysfunction Associated With Reduced NLRP3 (Nucleotide-Binding Domain-Like Receptor Protein 3) Inflammasome Activation in Heart Failure. Circulation: Heart Failure, 2020, 13, e006277.	3.9	153
4	Adiponectin is expressed by skeletal muscle fibers and influences muscle phenotype and function. American Journal of Physiology - Cell Physiology, 2008, 295, C203-C212.	4.6	143
5	The Furan Fatty Acid Metabolite CMPF Is Elevated in Diabetes and Induces I^2 Cell Dysfunction. Cell Metabolism, 2014, 19, 653-666.	16.2	142
6	The molecular basis of the antidiabetic action of quercetin in cultured skeletal muscle cells and hepatocytes. Pharmacognosy Magazine, 2015, 11, 74.	0.6	131
7	Lipocalin-2 Induces Cardiomyocyte Apoptosis by Increasing Intracellular Iron Accumulation. Journal of Biological Chemistry, 2012, 287, 4808-4817.	3.4	110
8	Adiponectin action in skeletal muscle. Best Practice and Research in Clinical Endocrinology and Metabolism, 2014, 28, 33-41.	4.7	83
9	Adiponectin Corrects High-Fat Diet-Induced Disturbances in Muscle Metabolomic Profile and Whole-Body Glucose Homeostasis. Diabetes, 2013, 62, 743-752.	0.6	79
10	Functional significance of skeletal muscle adiponectin production, changes in animal models of obesity and diabetes, and regulation by rosiglitazone treatment. American Journal of Physiology - Endocrinology and Metabolism, 2009, 297, E657-E664.	3.5	77
11	The association between PGC-1 α and Alzheimer's disease. Anatomy and Cell Biology, 2016, 49, 1.	1.0	74
12	Crosstalk between the heart and peripheral organs in heart failure. Experimental and Molecular Medicine, 2016, 48, e217-e217.	7.7	71
13	Lipocalin-2 (NGAL) Attenuates Autophagy to Exacerbate Cardiac Apoptosis Induced by Myocardial Ischemia. Journal of Cellular Physiology, 2017, 232, 2125-2134.	4.1	62
14	Iron overload inhibits late stage autophagic flux leading to insulin resistance. EMBO Reports, 2019, 20, e47911.	4.5	61
15	Intracellular Delivery of Phosphatidylinositol (3,4,5)-Trisphosphate Causes Incorporation of Glucose Transporter 4 into the Plasma Membrane of Muscle and Fat Cells without Increasing Glucose Uptake. Journal of Biological Chemistry, 2004, 279, 32233-32242.	3.4	59
16	Adiponectin improves insulin sensitivity via activation of autophagic flux. Journal of Molecular Endocrinology, 2017, 59, 339-350.	2.5	53
17	Emerging clinical and experimental evidence for the role of lipocalin-2 in metabolic syndrome. Clinical and Experimental Pharmacology and Physiology, 2012, 39, 194-199.	1.9	52
18	Examining the Potential of Developing and Implementing Use of Adiponectin-Targeted Therapeutics for Metabolic and Cardiovascular Diseases. Frontiers in Endocrinology, 2019, 10, 842.	3.5	48

#	ARTICLE	IF	CITATIONS
19	Iron induces insulin resistance in cardiomyocytes via regulation of oxidative stress. <i>Scientific Reports</i> , 2019, 9, 4668.	3.3	43
20	Early Development of Calcific Aortic Valve Disease and Left Ventricular Hypertrophy in a Mouse Model of Combined Dyslipidemia and Type 2 Diabetes Mellitus. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2014, 34, 2283-2291.	2.4	41
21	Lipocalin-2 inhibits autophagy and induces insulin resistance in H9c2 cells. <i>Molecular and Cellular Endocrinology</i> , 2016, 430, 68-76.	3.2	41
22	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
23	Adiponectin stimulates Rho-mediated actin cytoskeleton remodeling and glucose uptake via APPL1 in primary cardiomyocytes. <i>Metabolism: Clinical and Experimental</i> , 2014, 63, 1363-1373.	3.4	32
24	The Adaptor Protein APPL2 Inhibits Insulin-Stimulated Glucose Uptake by Interacting With TBC1D1 in Skeletal Muscle. <i>Diabetes</i> , 2014, 63, 3748-3758.	0.6	30
25	Pressure Overload-Induced Cardiac Dysfunction in Aged Male Adiponectin Knockout Mice Is Associated With Autophagy Deficiency. <i>Endocrinology</i> , 2015, 156, 2667-2677.	2.8	27
26	Adiponectin is required for cardiac MEF2 activation during pressure overload induced hypertrophy. <i>Journal of Molecular and Cellular Cardiology</i> , 2015, 86, 102-109.	1.9	26
27	Emerging role of autophagy in mediating widespread actions of ADIPOQ/adiponectin. <i>Autophagy</i> , 2015, 11, 723-724.	9.1	26
28	Regulatory Connections between Iron and Glucose Metabolism. <i>International Journal of Molecular Sciences</i> , 2020, 21, 7773.	4.1	26
29	Adiponectin Synthesis, Secretion and Extravasation from Circulation to Interstitial Space. <i>Physiology</i> , 2021, 36, 134-149.	3.1	24
30	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
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	Iron metabolism and regulation by neutrophil gelatinase-associated lipocalin in cardiomyopathy. <i>Clinical Science</i> , 2015, 129, 851-862.	4.3	17
33	Temporal and Molecular Analyses of Cardiac Extracellular Matrix Remodeling following Pressure Overload in Adiponectin Deficient Mice. <i>PLoS ONE</i> , 2015, 10, e0121049.	2.5	16
34	Iron Reshapes the Gut Microbiome and Host Metabolism. <i>Journal of Lipid and Atherosclerosis</i> , 2021, 10, 160.	3.5	14
35	Dietary sucrose induces metabolic inflammation and atherosclerotic cardiovascular diseases more than dietary fat in LDLr ApoB100/100 mice. <i>Atherosclerosis</i> , 2020, 304, 9-21.	0.8	14
36	Cellular, structural and functional cardiac remodelling following pressure overload and unloading. <i>International Journal of Cardiology</i> , 2016, 216, 32-42.	1.7	13

#	ARTICLE	IF	CITATIONS
37	An adiponectin-S1P autocrine axis protects skeletal muscle cells from palmitate-induced cell death. <i>Lipids in Health and Disease</i> , 2020, 19, 156.	3.0	12
38	ALY688 elicits adiponectin-mimetic signaling and improves insulin action in skeletal muscle cells. <i>American Journal of Physiology - Cell Physiology</i> , 2022, 322, C151-C163.	4.6	11
39	Altered Transendothelial Transport of Hormones as a Contributor to Diabetes. <i>Diabetes and Metabolism Journal</i> , 2014, 38, 92.	4.7	9
40	Cardiac Autophagy Deficiency Attenuates ANP Production and Disrupts Myocardial-Adipose Cross Talk, Leading to Increased Fat Accumulation and Metabolic Dysfunction. <i>Diabetes</i> , 2021, 70, 51-61.	0.6	9
41	Effects of the adiponectin mimetic compound ALY688 on glucose and fat metabolism in visceral and subcutaneous rat adipocytes. <i>Adipocyte</i> , 2020, 9, 550-562.	2.8	8
42	Inhibitory effects of terrein on lung cancer cell metastasis and angiogenesis. <i>Oncology Reports</i> , 2021, 45, .	2.6	7
43	The Genetic and Metabolic Determinants of Cardiovascular Complications in Type 2 Diabetes: Recent Insights from Animal Models and Clinical Investigations. <i>Canadian Journal of Diabetes</i> , 2013, 37, 351-358.	0.8	6
44	Tracking adiponectin biodistribution via fluorescence molecular tomography indicates increased vascular permeability after streptozotocin-induced diabetes. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2019, 317, E760-E772.	3.5	5
45	Iron overload reduces adiponectin receptor expression via a ROS/FOXO1-dependent mechanism leading to adiponectin resistance in skeletal muscle cells. <i>Journal of Cellular Physiology</i> , 2021, 236, 5339-5351.	4.1	5
46	Use of 2-dimensional cell monolayers and 3-dimensional microvascular networks on microfluidic devices shows that iron increases transendothelial adiponectin flux via inducing ROS production. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2021, 1865, 129796.	2.4	3
47	Identification of Circulating Endocan-1 and Ether Phospholipids as Biomarkers for Complications in Thalassemia Patients. <i>Metabolites</i> , 2021, 11, 70.	2.9	3
48	Unraveling the mechanisms linking obesity and heart failure: the role of adipokines. <i>Expert Review of Endocrinology and Metabolism</i> , 2009, 4, 95-97.	2.4	2
49	Regulation of Iron and Its Significance in Obesity and Complications. <i>The Korean Journal of Obesity</i> , 2014, 23, 222.	0.2	2
50	Leptin protects rat cardiomyocytes from H ₂ O ₂ and hypoxia-induced apoptosis. <i>FASEB Journal</i> , 2008, 22, 1238.9.	0.5	0
51	Adiponectin is Expressed in Skeletal Muscle and Influences Muscle Phenotype and Function. <i>FASEB Journal</i> , 2008, 22, .	0.5	0
52	Role of FoxO within the microvasculature of the skeletal muscle in diet-induced obesity. <i>FASEB Journal</i> , 2013, 27, 685.16.	0.5	0