Gary Sweeney

List of Publications by Year
in descending order

52	2,426	25	48
papers	citations	h-index	g-index
		236912	206102

53	53	53	4035
all docs	docs citations	times ranked	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 Î² 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 Dietâ€"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-1Î± 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	Lipocalinâ€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 lipocalinâ€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. Scientific Reports, 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. Arteriosclerosis, Thrombosis, and Vascular Biology, 2014, 34, 2283-2291.	2.4	41
21	Lipocalin-2 inhibits autophagy and induces insulin resistance in H9c2 cells. Molecular and Cellular Endocrinology, 2016, 430, 68-76.	3.2	41
22	Holo-lipocalin-2â€"derived siderophores increase mitochondrial ROS and impair oxidative phosphorylation in rat cardiomyocytes. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 1576-1581.	7.1	35
23	Adiponectin stimulates Rho-mediated actin cytoskeleton remodeling and glucose uptake via APPL1 in primary cardiomyocytes. Metabolism: Clinical and Experimental, 2014, 63, 1363-1373.	3.4	32
24	The Adaptor Protein APPL2 Inhibits Insulin-Stimulated Glucose Uptake by Interacting With TBC1D1 in Skeletal Muscle. Diabetes, 2014, 63, 3748-3758.	0.6	30
25	Pressure Overload-Induced Cardiac Dysfunction in Aged Male Adiponectin Knockout Mice Is Associated With Autophagy Deficiency. Endocrinology, 2015, 156, 2667-2677.	2.8	27
26	Adiponectin is required for cardiac MEF2 activation during pressure overload induced hypertrophy. Journal of Molecular and Cellular Cardiology, 2015, 86, 102-109.	1.9	26
27	Emerging role of autophagy in mediating widespread actions of ADIPOQ/adiponectin. Autophagy, 2015, 11, 723-724.	9.1	26
28	Regulatory Connections between Iron and Glucose Metabolism. International Journal of Molecular Sciences, 2020, 21, 7773.	4.1	26
29	Adiponectin Synthesis, Secretion and Extravasation from Circulation to Interstitial Space. Physiology, 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. Biochemical Journal, 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. Nutrition and Metabolism, 2019, 16, 14.	3.0	18
32	Iron metabolism and regulation by neutrophil gelatinase-associated lipocalin in cardiomyopathy. Clinical Science, 2015, 129, 851-862.	4.3	17
33	Temporal and Molecular Analyses of Cardiac Extracellular Matrix Remodeling following Pressure Overload in Adiponectin Deficient Mice. PLoS ONE, 2015, 10, e0121049.	2.5	16
34	Iron Reshapes the Gut Microbiome and Host Metabolism. Journal of Lipid and Atherosclerosis, 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. Atherosclerosis, 2020, 304, 9-21.	0.8	14
36	Cellular, structural and functional cardiac remodelling following pressure overload and unloading. International Journal of Cardiology, 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. Lipids in Health and Disease, 2020, 19, 156.	3.0	12
38	ALY688 elicits adiponectin-mimetic signaling and improves insulin action in skeletal muscle cells. American Journal of Physiology - Cell Physiology, 2022, 322, C151-C163.	4.6	11
39	Altered Transendothelial Transport of Hormones as a Contributor to Diabetes. Diabetes and Metabolism Journal, 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. Diabetes, 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. Adipocyte, 2020, 9, 550-562.	2.8	8
42	Inhibitory effects of terrein on lung cancer cell metastasis and angiogenesis. Oncology Reports, 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. Canadian Journal of Diabetes, 2013, 37, 351-358.	0.8	6
44	Tracking adiponectin biodistribution via fluorescence molecular tomography indicates increased vascular permeability after streptozotocin-induced diabetes. American Journal of Physiology - Endocrinology and Metabolism, 2019, 317, E760-E772.	3.5	5
45	Iron overload reduces adiponectin receptor expression via a ROS/FOXO1â€dependent mechanism leading to adiponectin resistance in skeletal muscle cells. Journal of Cellular Physiology, 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. Biochimica Et Biophysica Acta - General Subjects, 2021, 1865, 129796.	2.4	3
47	Identification of Circulating Endocan-1 and Ether Phospholipids as Biomarkers for Complications in Thalassemia Patients. Metabolites, 2021, 11, 70.	2.9	3
48	Unraveling the mechanisms linking obesity and heart failure: the role of adipokines. Expert Review of Endocrinology and Metabolism, 2009, 4, 95-97.	2.4	2
49	Regulation of Iron and Its Significance in Obesity and Complications. The Korean Journal of Obesity, 2014, 23, 222.	0.2	2
50	Leptin protects rat cardiomyocytes from H2O2â€•and hypoxiaâ€induced apoptosis. FASEB Journal, 2008, 22, 1238.9.	0.5	0
51	Adiponectin is Expressed in Skeletal Muscle and Influences Muscle Phenotype and Function. FASEB Journal, 2008, 22, .	0.5	0
52	Role of FoxO within the microvasculature of the skeletal muscle in dietâ€induced obesity. FASEB Journal, 2013, 27, 685.16.	0.5	0