Gary Sweeney

List of Publications by Year
in descending order

52 papers	2,426 citations	270111 25 h-index	232693 48 g-index
53 all docs	53 docs citations	53 times ranked	4368 citing authors

#	Article	IF	Citations
1	ALY688 elicits adiponectin-mimetic signaling and improves insulin action in skeletal muscle cells. American Journal of Physiology - Cell Physiology, 2022, 322, C151-C163.	2.1	11
2	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.	0.3	9
3	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.	1.1	3
4	Identification of Circulating Endocan-1 and Ether Phospholipids as Biomarkers for Complications in Thalassemia Patients. Metabolites, 2021, 11, 70.	1.3	3
5	Iron Reshapes the Gut Microbiome and Host Metabolism. Journal of Lipid and Atherosclerosis, 2021, 10, 160.	1.1	14
6	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.	2.0	5
7	Inhibitory effects of terrein on lung cancer cell metastasis and angiogenesis. Oncology Reports, 2021, 45, .	1.2	7
8	Adiponectin Synthesis, Secretion and Extravasation from Circulation to Interstitial Space. Physiology, 2021, 36, 134-149.	1.6	24
9	Regulatory Connections between Iron and Glucose Metabolism. International Journal of Molecular Sciences, 2020, 21, 7773.	1.8	26
10	Effects of the adiponectin mimetic compound ALY688 on glucose and fat metabolism in visceral and subcutaneous rat adipocytes. Adipocyte, 2020, 9, 550-562.	1.3	8
11	An adiponectin-S1P autocrine axis protects skeletal muscle cells from palmitate-induced cell death. Lipids in Health and Disease, 2020, 19, 156.	1.2	12
12	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.	1.6	153
13	Dietary sucrose induces metabolic inflammation and atherosclerotic cardiovascular diseases more than dietary fat in LDLr ApoB100/100 mice. Atherosclerosis, 2020, 304, 9-21.	0.4	14
14	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.	1.8	5
15	Iron overload inhibits late stage autophagic flux leading to insulin resistance. EMBO Reports, 2019, 20, e47911.	2.0	61
16	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.	1.3	18
17	Iron induces insulin resistance in cardiomyocytes via regulation of oxidative stress. Scientific Reports, 2019, 9, 4668.	1.6	43
18	Examining the Potential of Developing and Implementing Use of Adiponectin-Targeted Therapeutics for Metabolic and Cardiovascular Diseases. Frontiers in Endocrinology, 2019, 10, 842.	1.5	48

#	Article	IF	Citations
19	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.	3.3	35
20	Adiponectin improves insulin sensitivity via activation of autophagic flux. Journal of Molecular Endocrinology, 2017, 59, 339-350.	1.1	53
21	Lipocalinâ€2 (NGAL) Attenuates Autophagy to Exacerbate Cardiac Apoptosis Induced by Myocardial Ischemia. Journal of Cellular Physiology, 2017, 232, 2125-2134.	2.0	62
22	The association between PGC-1Î± and Alzheimer's disease. Anatomy and Cell Biology, 2016, 49, 1.	0.5	74
23	Cellular, structural and functional cardiac remodelling following pressure overload and unloading. International Journal of Cardiology, 2016, 216, 32-42.	0.8	13
24	Lipocalin-2 inhibits autophagy and induces insulin resistance in H9c2 cells. Molecular and Cellular Endocrinology, 2016, 430, 68-76.	1.6	41
25	Crosstalk between the heart and peripheral organs in heart failure. Experimental and Molecular Medicine, 2016, 48, e217-e217.	3.2	71
26	Iron metabolism and regulation by neutrophil gelatinase-associated lipocalin in cardiomyopathy. Clinical Science, 2015, 129, 851-862.	1.8	17
27	Metabolomic profiling in liver of adiponectin-knockout mice uncovers lysophospholipid metabolism as an important target of adiponectin action. Biochemical Journal, 2015, 469, 71-82.	1.7	20
28	The molecular basis of the antidiabetic action of quercetin in cultured skeletal muscle cells and hepatocytes. Pharmacognosy Magazine, 2015, 11, 74.	0.3	131
29	Adiponectin is required for cardiac MEF2 activation during pressure overload induced hypertrophy. Journal of Molecular and Cellular Cardiology, 2015, 86, 102-109.	0.9	26
30	Emerging role of autophagy in mediating widespread actions of ADIPOQ/adiponectin. Autophagy, 2015, 11, 723-724.	4.3	26
31	Pressure Overload-Induced Cardiac Dysfunction in Aged Male Adiponectin Knockout Mice Is Associated With Autophagy Deficiency. Endocrinology, 2015, 156, 2667-2677.	1.4	27
32	Adiponectin Stimulates Autophagy and Reduces Oxidative Stress to Enhance Insulin Sensitivity During High-Fat Diet Feeding in Mice. Diabetes, 2015, 64, 36-48.	0.3	180
33	Temporal and Molecular Analyses of Cardiac Extracellular Matrix Remodeling following Pressure Overload in Adiponectin Deficient Mice. PLoS ONE, 2015, 10, e0121049.	1.1	16
34	Altered Transendothelial Transport of Hormones as a Contributor to Diabetes. Diabetes and Metabolism Journal, 2014, 38, 92.	1.8	9
35	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.	1.1	41
36	Adiponectin action in skeletal muscle. Best Practice and Research in Clinical Endocrinology and Metabolism, 2014, 28, 33-41.	2.2	83

#	Article	IF	Citations
37	Adiponectin stimulates Rho-mediated actin cytoskeleton remodeling and glucose uptake via APPL1 in primary cardiomyocytes. Metabolism: Clinical and Experimental, 2014, 63, 1363-1373.	1.5	32
38	The Furan Fatty Acid Metabolite CMPF Is Elevated in Diabetes and Induces Î² Cell Dysfunction. Cell Metabolism, 2014, 19, 653-666.	7.2	142
39	The Adaptor Protein APPL2 Inhibits Insulin-Stimulated Glucose Uptake by Interacting With TBC1D1 in Skeletal Muscle. Diabetes, 2014, 63, 3748-3758.	0.3	30
40	Regulation of Iron and Its Significance in Obesity and Complications. The Korean Journal of Obesity, 2014, 23, 222.	0.2	2
41	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.	0.4	6
42	Adiponectin Corrects High-Fat Dietâ€"Induced Disturbances in Muscle Metabolomic Profile and Whole-Body Glucose Homeostasis. Diabetes, 2013, 62, 743-752.	0.3	79
43	Role of FoxO within the microvasculature of the skeletal muscle in dietâ€induced obesity. FASEB Journal, 2013, 27, 685.16.	0.2	0
44	Lipocalin-2 Induces Cardiomyocyte Apoptosis by Increasing Intracellular Iron Accumulation. Journal of Biological Chemistry, 2012, 287, 4808-4817.	1.6	110
45	Emerging clinical and experimental evidence for the role of lipocalinâ€2 in metabolic syndrome. Clinical and Experimental Pharmacology and Physiology, 2012, 39, 194-199.	0.9	52
46	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.	1.8	77
47	Unraveling the mechanisms linking obesity and heart failure: the role of adipokines. Expert Review of Endocrinology and Metabolism, 2009, 4, 95-97.	1.2	2
48	Adiponectin is expressed by skeletal muscle fibers and influences muscle phenotype and function. American Journal of Physiology - Cell Physiology, 2008, 295, C203-C212.	2.1	143
49	Leptin protects rat cardiomyocytes from H2O2â€and hypoxiaâ€induced apoptosis. FASEB Journal, 2008, 22, 1238.9.	0.2	0
50	Adiponectin is Expressed in Skeletal Muscle and Influences Muscle Phenotype and Function. FASEB Journal, 2008, 22, .	0.2	0
51	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.	1.6	59
52	Leptin signalling. Cellular Signalling, 2002, 14, 655-663.	1.7	303