Sofianos Andrikopoulos

List of Publications by Year
in descending order

64 papers	2,857 citations	201385 27 h-index	174990 52 g-index
67 all docs	67 docs citations	67 times ranked	5701 citing authors

#	Article	IF	Citations
1	Evaluating the glucose tolerance test in mice. American Journal of Physiology - Endocrinology and Metabolism, 2008, 295, E1323-E1332.	1.8	635
2	Targeting VEGF-B as a novel treatment for insulin resistance and type 2 diabetes. Nature, 2012, 490, 426-430.	13.7	239
3	Advanced Glycation End Products Are Direct Modulators of Î²-Cell Function. Diabetes, 2011, 60, 2523-2532.	0.3	135
4	Differential effect of inbred mouse strain (C57BL/6, DBA/2, 129T2) on insulin secretory function in response to a high fat diet. Journal of Endocrinology, 2005, 187, 45-53.	1.2	119
5	Mechanism of fat-induced hepatic gluconeogenesis: effect of metformin. American Journal of Physiology - Endocrinology and Metabolism, 2001, 281, E275-E282.	1.8	93
6	Ciliary Neurotrophic Factor Suppresses Hypothalamic AMP-Kinase Signaling in Leptin-Resistant Obese Mice. Endocrinology, 2006, 147, 3906-3914.	1.4	92
7	Insulin regulates POMC neuronal plasticity to control glucose metabolism. ELife, 2018, 7, .	2.8	85
8	Hepatic Oxidative Stress Promotes Insulin-STAT-5 Signaling and Obesity by Inactivating Protein Tyrosine Phosphatase N2. Cell Metabolism, 2014, 20, 85-102.	7.2	83
9	Depression and diabetes distress in adults with type 2 diabetes: results from the Australian National Diabetes Audit (ANDA) 2016. Scientific Reports, 2018, 8, 7846.	1.6	80
10	Comparison of Insulin Secretory Function in Two Mouse Models with Different Susceptibility to Î²-Cell Failure. Endocrinology, 2002, 143, 2085-2092.	1.4	75
11	Metabolic Adaptations of Three Inbred Strains of Mice (C57BL/6, DBA/2, and 129T2) in Response to a High-Fat Diet. Journal of Nutrition, 2004, 134, 3264-3269.	1.3	75
12	Restriction of essential amino acids dictates the systemic metabolic response to dietary protein dilution. Nature Communications, 2020, 11, 2894.	5.8	71
13	Deficiency in Interferon-Î³ Results in Reduced Body Weight and Better Glucose Tolerance in Mice. Endocrinology, 2011, 152, 3690-3699.	1.4	65
14	High-Fat-Fed Obese Glutathione Peroxidase 1-Deficient Mice Exhibit Defective Insulin Secretion but Protection from Hepatic Steatosis and Liver Damage. Antioxidants and Redox Signaling, 2014, 20, 2114-2129.	2.5	58
15	The Deletion Variant of Nicotinamide Nucleotide Transhydrogenase (Nnt) Does Not Affect Insulin Secretion or Glucose Tolerance. Endocrinology, 2010, 151, 96-102.	1.4	56
16	Fructose-1,6-Bisphosphatase Overexpression in Pancreatic Î²-Cells Results in Reduced Insulin Secretion. Diabetes, 2008, 57, 1887-1895.	0.3	52
17	Impaired glucose metabolism and exercise capacity with muscle-specific glycogen synthase 1 (gys1) deletion in adult mice. Molecular Metabolism, 2016, 5, 221-232.	3.0	45
18	The Role of Liver Fructose-1,6-Bisphosphatase in Regulating Appetite and Adiposity. Diabetes, 2012, 61, 1122-1132.	0.3	41

#	Article	IF	Citations
19	High fat feeding unmasks variable insulin responses in male C57BL/6 mouse substrains. Journal of Endocrinology, 2017, 233, 53-64.	1.2	37
20	Expression of Human Fructose-1,6-Bisphosphatase in the Liver of Transgenic Mice Results in Increased Glycerol Gluconeogenesis. Endocrinology, 2006, 147, 2764-2772.	1.4	36
21	Metabolomic analysis of insulin resistance across different mouse strains and diets. Journal of Biological Chemistry, 2017, 292, 19135-19145.	1.6	36
22	The hexosamine biosynthesis pathway regulates insulin secretion via protein glycosylation in mouse islets. Archives of Biochemistry and Biophysics, 2002, 405, 275-279.	1.4	35
23	High glucose-induced impairment in insulin secretion is associated with reduction in islet glucokinase in a mouse model of susceptibility to islet dysfunction. Journal of Molecular Endocrinology, 2005, 35, 39-48.	1.1	35
24	Insulin in motion: The A6-A11 disulfide bond allosterically modulates structural transitions required for insulin activity. Scientific Reports, 2017, 7, 17239.	1.6	35
25	Narrowâ€leafed lupin (Lupinus angustifolius L.) Î²â€conglutin proteins modulate the insulin signaling pathway as potential type 2 diabetes treatment and inflammatoryâ€related disease amelioration. Molecular Nutrition and Food Research, 2017, 61, 1600819.	1.5	34
26	Hepatocyte glutathione peroxidase-1 deficiency improves hepatic glucose metabolism and decreases steatohepatitis in mice. Diabetologia, 2016, 59, 2632-2644.	2.9	32
27	Dapagliflozin improves insulin resistance and glucose intolerance in a novel transgenic rat model of chronic glucose overproduction and glucose toxicity. Diabetes, Obesity and Metabolism, 2017, 19, 1135-1146.	2.2	30
28	Systemic VEGF-A Neutralization Ameliorates Diet-Induced Metabolic Dysfunction. Diabetes, 2014, 63, 2656-2667.	0.3	29
29	Increased glucose production in mice overexpressing human fructose-1,6-bisphosphatase in the liver. American Journal of Physiology - Endocrinology and Metabolism, 2008, 295, E1132-E1141.	1.8	28
30	Burden of cardiovascular risk factors and disease among patients with type 1 diabetes: results of the Australian National Diabetes Audit (ANDA). Cardiovascular Diabetology, 2018, 17, 77.	2.7	25
31	Ubiquitous expression of the Pik3ca ^{H1047R} mutation promotes hypoglycemia, hypoinsulinemia, and organomegaly. FASEB Journal, 2015, 29, 1426-1434.	0.2	24
32	Normal muscle glucose uptake in mice deficient in muscle GLUT4. Journal of Endocrinology, 2012, 214, 313-327.	1.2	22
33	Role of the adaptive immune system in diabetic kidney disease. Journal of Diabetes Investigation, 2022, 13, 213-226.	1.1	21
34	Hope and fear for new classes of type 2 diabetes drugs: is there preclinical evidence that incretin-based therapies alter pancreatic morphology?. Journal of Endocrinology, 2014, 221, T43-T61.	1.2	20
35	Neprilysin Deficiency Protects Against Fat-Induced Insulin Secretory Dysfunction by Maintaining Calcium Influx. Diabetes, 2013, 62, 1593-1601.	0.3	19
36	Exercise-induced muscle glucose uptake in mice with graded, muscle-specific GLUT-4 deletion. Physiological Reports, 2013, 1, e00065.	0.7	19

#	Article	IF	Citations
37	Methods for Enhancing Ring Closing Metathesis Yield in Peptides: Synthesis of a Dicarba Human Growth Hormone Fragment. International Journal of Peptide Research and Therapeutics, 2010, 16, 133-144.	0.9	18
38	Elevated SNAP-25 is associated with fatty acid-induced impairment of mouse islet function. Biochemical and Biophysical Research Communications, 2004, 317, 472-477.	1.0	17
39	Deficiency of selenoprotein S, an endoplasmic reticulum resident oxidoreductase, impairs the contractile function of fast-twitch hindlimb muscles. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2018, 315, R380-R396.	0.9	17
40	A Reduction in Selenoprotein S Amplifies the Inflammatory Profile of Fast-Twitch Skeletal Muscle in themdxDystrophic Mouse. Mediators of Inflammation, 2017, 2017, 1-12.	1.4	16
41	Four weeks of exercise early in life reprograms adult skeletal muscle insulin resistance caused by a paternal highâ€fat diet. Journal of Physiology, 2019, 597, 121-136.	1.3	16
42	Identification of ABCC8 as a contributory gene to impaired early-phase insulin secretion in NZO mice. Journal of Endocrinology, 2016, 228, 61-73.	1.2	15
43	A primary defect in glucose production alone cannot induce glucose intolerance without defects in insulin secretion. Journal of Endocrinology, 2011, 210, 335-347.	1.2	14
44	Ferroportin Expression in Adipocytes Does Not Contribute to Iron Homeostasis or Metabolic Responses to a High Calorie Diet. Cellular and Molecular Gastroenterology and Hepatology, 2018, 5, 319-331.	2.3	14
45	E2f8 and Dlg2 genes have independent effects on impaired insulin secretion associated with hyperglycaemia. Diabetologia, 2020, 63, 1333-1348.	2.9	14
46	Utilisation, access and recommendations regarding technologies for people living with type 1 diabetes: consensus statement of the ADS/ADEA/APEG/ADIPS Working Group. Medical Journal of Australia, 2021, 215, 473-478.	0.8	10
47	Glycaemia and utilisation of technology across the lifespan of adults with type 1 diabetes: Results of the Australian National Diabetes Audit (ANDA). Diabetes Research and Clinical Practice, 2021, 171, 108609.	1.1	9
48	The Paleo diet and diabetes. Medical Journal of Australia, 2016, 205, 151-152.	0.8	8
49	Probing the correlation between insulin activity and structural stability through introduction of the rigid A6â€“A11 bond. Journal of Biological Chemistry, 2018, 293, 11928-11943.	1.6	8
50	Investigational agents that protect pancreatic islet Î²-cells from failure. Expert Opinion on Investigational Drugs, 2005, 14, 1241-1250.	1.9	7
51	Contribution of the hypothalamus and gut to weight gain susceptibility and resistance in mice. Journal of Endocrinology, 2015, 225, 191-204.	1.2	7
52	Risk-adjustment of diabetes health outcomes improves the accuracy of performance benchmarking. Scientific Reports, 2018, 8, 10261.	1.6	7
53	Impaired exercise performance is independent of inflammation and cellular stress following genetic reduction or deletion of selenoprotein S. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2020, 318, R981-R996.	0.9	7
54	Understanding the pathogenesis of type 2 diabetes: can we get off the metabolic merryâ€goâ€rounds?. Australian and New Zealand Journal of Medicine, 1995, 25, 870-875.	0.5	6

#	Article	IF	Citations
55	Diabetic ketoacidosis in acromegaly; a rare complication precipitated by corticosteroid use. Diabetes Research and Clinical Practice, 2017, 134, 29-37.	1.1	6
56	Molecular Mechanisms of Increased Glucose Production: Identifying Potential Therapeutic Targets. Journal of Investigative Medicine, 2004, 52, 389.	0.7	6
57	The androgen receptor in bone marrow progenitor cells negatively regulates fat mass. Journal of Endocrinology, 2018, 237, 15-27.	1.2	5
58	In vivo quantification of fat content in mice using the Hologic QDR 4500A densitometer. Obesity Research and Clinical Practice, 2007, 1, 69-77.	0.8	3
59	Womenâ€™s distinct diabetes self-management behaviours demand gender-specific diabetes research: improving chronic disease management and addressing clinical governance issues. Journal of Primary Health Care, 2021, 13, 308.	0.2	3
60	Chewing the fat for better insulin secretion. Molecular Metabolism, 2016, 5, 3-4.	3.0	2
61	Exploring HbA1c variation between Australian diabetes centres: The impact of centre-level and patient-level factors. PLoS ONE, 2022, 17, e0263511.	1.1	2
62	What Gets Measured Gets Improvedâ€”Setting Standards and Accreditation for Quality Improvement for Diabetes Services in Australia. Journal of Diabetes Science and Technology, 2021, 15, 193229682110099.	1.3	1
63	Making the most of audit and feedback to improve diabetes care: a qualitative study of the perspectives of Australian Diabetes Centres. BMC Health Services Research, 2022, 22, 255.	0.9	1
64	The Proliferative Gene Cyclin D1 and Gluconeogenesis--Could Suppressing Glucose Production Also Promote Cancer?. Diabetes, 2014, 63, 3177-3179.	0.3	0