Morgan D Fullerton

List of Publications by Year
in descending order

56	4,775	147801 31	144013 57
papers	citations	h-index	g-index

63	63	63	8170
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Single phosphorylation sites in Acc1 and Acc2 regulate lipid homeostasis and the insulin-sensitizing effects of metformin. Nature Medicine, 2013, 19, 1649-1654.	30.7	674
2	The Ancient Drug Salicylate Directly Activates AMP-Activated Protein Kinase. Science, 2012, 336, 918-922.	12.6	649
3	Inhibiting peripheral serotonin synthesis reduces obesity and metabolic dysfunction by promoting brown adipose tissue thermogenesis. Nature Medicine, 2015, 21, 166-172.	30.7	376
4	MicroRNA-33â€“dependent regulation of macrophage metabolism directs immune cell polarization in atherosclerosis. Journal of Clinical Investigation, 2015, 125, 4334-4348.	8.2	304
5	Hematopoietic AMPK Î²1 reduces mouse adipose tissue macrophage inflammation and insulin resistance in obesity. Journal of Clinical Investigation, 2011, 121, 4903-4915.	8.2	291
6	NOD1 Activators Link Innate Immunity to Insulin Resistance. Diabetes, 2011, 60, 2206-2215.	0.6	213
7	Defective <scp>NOD</scp>2 peptidoglycan sensing promotes dietâ€induced inflammation, dysbiosis, and insulin resistance. EMBO Molecular Medicine, 2015, 7, 259-274.	6.9	160
8	Muramyl Dipeptide-Based Postbiotics Mitigate Obesity-Induced Insulin Resistance via IRF4. Cell Metabolism, 2017, 25, 1063-1074.e3.	16.2	149
9	Metformin and salicylate synergistically activate liver AMPK, inhibit lipogenesis and improve insulin sensitivity. Biochemical Journal, 2015, 468, 125-132.	3.7	132
10	Deletion of Skeletal Muscle SOCS3 Prevents Insulin Resistance in Obesity. Diabetes, 2013, 62, 56-64.	0.6	117
11	Fluvastatin Causes NLRP3 Inflammasome-Mediated Adipose Insulin Resistance. Diabetes, 2014, 63, 3742-3747.	0.6	116
12	AMPK phosphorylation of ACC2 is required for skeletal muscle fatty acid oxidation and insulin sensitivity in mice. Diabetologia, 2014, 57, 1693-1702.	6.3	105
13	Mechanism of Action of Compound-13: An Î±1-Selective Small Molecule Activator of AMPK. Chemistry and Biology, 2014, 21, 866-879.	6.0	103
14	Metabolic and molecular aspects of ethanolamine phospholipid biosynthesis: the role of CTP:phosphoethanolamine cytidylyltransferase (Pcyt2). Biochemistry and Cell Biology, 2007, 85, 283-300.	2.0	93
15	Developmental and Metabolic Effects of Disruption of the Mouse CTP:Phosphoethanolamine Cytidylyltransferase Gene (Pcyt2). Molecular and Cellular Biology, 2007, 27, 3327-3336.	2.3	90
16	High intensity interval training improves liver and adipose tissue insulin sensitivity. Molecular Metabolism, 2015, 4, 903-915.	6.5	90
17	The Development of a Metabolic Disease Phenotype in CTP:Phosphoethanolamine Cytidylyltransferase-deficient Mice. Journal of Biological Chemistry, 2009, 284, 25704-25713.	3.4	87
18	Choline transport links macrophage phospholipid metabolism and inflammation. Journal of Biological Chemistry, 2018, 293, 11600-11611.	3.4	78

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19	SIRT1 Takes a Backseat to AMPK in the Regulation of Insulin Sensitivity by Resveratrol. Diabetes, 2010, 59, 551-553.	0.6	69
20	Immunometabolism of AMPK in insulin resistance and atherosclerosis. Molecular and Cellular Endocrinology, 2013, 366, 224-234.	3.2	64
21	PPARÎ´ activation attenuates hepatic steatosis in Ldlr mice by enhanced fat oxidation, reduced lipogenesis, and improved insulin sensitivity. Journal of Lipid Research, 2014, 55, 1254-1266.	4.2	61
22	Inhibition of Adenosine Monophosphateâ€“Activated Protein Kinaseâ€“3â€Hydroxyâ€3â€Methylglutaryl Coenzyme A Reductase Signaling Leads to Hypercholesterolemia and Promotes Hepatic Steatosis and Insulin Resistance. Hepatology Communications, 2019, 3, 84-98.	4.3	56
23	Salicylate improves macrophage cholesterol homeostasis via activation of Ampk. Journal of Lipid Research, 2015, 56, 1025-1033.	4.2	55
24	Interleukin-18 up-regulates amino acid transporters and facilitates amino acidâ€“induced mTORC1 activation in natural killer cells. Journal of Biological Chemistry, 2019, 294, 4644-4655.	3.4	53
25	Reduced Socs3 expression in adipose tissue protects female mice against obesity-induced insulin resistance. Diabetologia, 2012, 55, 3083-3093.	6.3	46
26	AMPK Promotes Xenophagy through Priming of Autophagic Kinases upon Detection of Bacterial Outer Membrane Vesicles. Cell Reports, 2019, 26, 2150-2165.e5.	6.4	43
27	Impaired trafficking of choline transporter-like protein-1 at plasma membrane and inhibition of choline transport in THP-1 monocyte-derived macrophages. American Journal of Physiology - Cell Physiology, 2006, 290, C1230-C1238.	4.6	42
28	A role for phosphatidylcholine and phosphatidylethanolamine in hepatic insulin signaling. FASEB Journal, 2019, 33, 5045-5057.	0.5	40
29	The citrus flavonoid nobiletin confers protection from metabolic dysregulation in high-fat-fed mice independent of AMPK. Journal of Lipid Research, 2020, 61, 387-402.	4.2	39
30	Loss of TDAG51 Results in Mature-Onset Obesity, Hepatic Steatosis, and Insulin Resistance by Regulating Lipogenesis. Diabetes, 2013, 62, 158-169.	0.6	34
31	The apolipoprotein C-III (Gln38Lys) variant associated with human hypertriglyceridemia is a gain-of-function mutation. Journal of Lipid Research, 2017, 58, 2188-2196.	4.2	32
32	Salicylates Ameliorate Intestinal Inflammation by Activating Macrophage AMPK. Inflammatory Bowel Diseases, 2021, 27, 914-926.	1.9	32
33	Endurance interval training in obese mice reduces muscle inflammation and macrophage content independently of weight loss. Physiological Reports, 2014, 2, e12012.	1.7	31
34	In Vitro Hepatitis C Virus Infection and Hepatic Choline Metabolism. Viruses, 2020, 12, 108.	3.3	23
35	Complementation of the metabolic defect in CTP:phosphoethanolamine cytidylyltransferase (Pcyt2)â€“deficient primary hepatocytes. Metabolism: Clinical and Experimental, 2010, 59, 1691-1700.	3.4	22
36	AMP-activated protein kinase and its multifaceted regulation of hepatic metabolism. Current Opinion in Lipidology, 2016, 27, 172-180.	2.7	20

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37	Lysine acetyltransferase NuA4 and acetyl-CoA regulate glucose-deprived stress granule formation in Saccharomyces cerevisiae. PLoS Genetics, 2017, 13, e1006626.	3.5	20
38	Mechanism of hypertriglyceridemia in CTP:phosphoethanolamine cytidylyltransferase-deficient mice. Journal of Lipid Research, 2012, 53, 1811-1822.	4.2	19
39	Diacylglycerol Kinase Delta Promotes Lipogenesis. Biochemistry, 2013, 52, 7766-7776.	2.5	18
40	Maternal dietâ€induced obesity alters muscle mitochondrial function in offspring without changing insulin sensitivity. FASEB Journal, 2019, 33, 13515-13526.	0.5	14
41	Interactions between hepatic lipase and apolipoprotein E gene polymorphisms affect serum lipid profiles of healthy Canadian adults. Applied Physiology, Nutrition and Metabolism, 2008, 33, 761-768.	1.9	13
42	Adipose Tissue Inflammation Is Directly Linked to Obesity-Induced Insulin Resistance, while Gut Dysbiosis and Mitochondrial Dysfunction Are Not Required. Function, 2020, 1, zqaa013.	2.3	12
43	Ebola virus triggers receptor tyrosine kinase-dependent signaling to promote the delivery of viral particles to entry-conducive intracellular compartments. PLoS Pathogens, 2021, 17, e1009275.	4.7	11
44	Defective AMPK regulation of cholesterol metabolism accelerates atherosclerosis by promoting HSPC mobilization and myelopoiesis. Molecular Metabolism, 2022, 61, 101514.	6.5	10
45	Reduced skeletal muscle AMPK and mitochondrial markers do not promote age-induced insulin resistance. Journal of Applied Physiology, 2014, 117, 171-179.	2.5	8
46	A Diacylglycerol Kinase Inhibitor, R-59-022, Blocks Filovirus Internalization in Host Cells. Viruses, 2019, 11, 206.	3.3	8
47	Salsalate reduces atherosclerosis through AMPKÎ²1 in mice. Molecular Metabolism, 2021, 53, 101321.	6.5	8
48	Characterization of Redox-Responsive LXR-Activating Nanoparticle Formulations in Primary Mouse Macrophages. Molecules, 2019, 24, 3751.	3.8	7
49	Foam Cell Induction Activates AMPK But Uncouples Its Regulation of Autophagy and Lysosomal Homeostasis. International Journal of Molecular Sciences, 2020, 21, 9033.	4.1	7
50	Fine-tuning acetyl-CoA carboxylase 1 activity through localization: functional genomics reveals a role for the lysine acetyltransferase NuA4 and sphingolipid metabolism in regulating Acc1 activity and localization. Genetics, 2022, 221, .	2.9	7
51	Myeloid deletion and therapeutic activation of AMPK do not alter atherosclerosis in male or female mice. Journal of Lipid Research, 2020, 61, 1697-1706.	4.2	6
52	Hepatic Choline Transport Is Inhibited During Fatty Acidâ€“Induced Lipotoxicity and Obesity. Hepatology Communications, 2020, 4, 876-889.	4.3	5
53	Methods to Evaluate AMPK Regulation of Macrophage Cholesterol Homeostasis. Methods in Molecular Biology, 2018, 1732, 477-493.	0.9	3
54	Does prenylation predict progression in NAFLD?. Journal of Pathology, 2019, 247, 283-286.	4.5	3

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55	Editorial: â€œPresentingâ€•an adaptive role for AMPK. Journal of Leukocyte Biology, 2013, 94, 1099-1101.	3.3	2
56	Metformin again? Atheroprotection mediated by macrophage AMPK and ATF1. Cardiovascular Research, 2021, 117, 1233-1234.	3.8	1