Michael J Wolfgang

List of Publications by Year
in descending order

64 papers	4,453 citations	109321 35 h-index	123424 61 g-index
68 all docs	68 docs citations	68 times ranked	7072 citing authors

#	Article	IF	Citations
1	Fatty acid oxidation in macrophage polarization. Nature Immunology, 2016, 17, 216-217.	14.5	276
2	Evidence for hormonal control of heart regenerative capacity during endothermy acquisition. Science, 2019, 364, 184-188.	12.6	252
3	Etomoxir Inhibits Macrophage Polarization by Disrupting CoA Homeostasis. Cell Metabolism, 2018, 28, 490-503.e7.	16.2	242
4	The brain-specific carnitine palmitoyltransferase-1c regulates energy homeostasis. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 7282-7287.	7.1	237
5	Mitochondrial Pyruvate Import Promotes Long-Term Survival of Antibody-Secreting Plasma Cells. Immunity, 2016, 45, 60-73.	14.3	212
6	Brain fatty acid synthase activates PPARÎ± to maintain energy homeostasis. Journal of Clinical Investigation, 2007, 117, 2539-2552.	8.2	183
7	Adipose Fatty Acid Oxidation Is Required for Thermogenesis and Potentiates Oxidative Stress-Induced Inflammation. Cell Reports, 2015, 10, 266-279.	6.4	169
8	Differential effects of central fructose and glucose on hypothalamic malonylâ€“CoA and food intake. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 16871-16875.	7.1	168
9	A Metabolic Basis for Endothelial-to-Mesenchymal Transition. Molecular Cell, 2018, 69, 689-698.e7.	9.7	164
10	Preventing Allograft Rejection by Targeting Immune Metabolism. Cell Reports, 2015, 13, 760-770.	6.4	156
11	C1q/TNF-related Protein-12 (CTRP12), a Novel Adipokine That Improves Insulin Sensitivity and Glycemic Control in Mouse Models of Obesity and Diabetes. Journal of Biological Chemistry, 2012, 287, 10301-10315.	3.4	128
12	Sclerostin influences body composition by regulating catabolic and anabolic metabolism in adipocytes. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E11238-E11247.	7.1	125
13	Wnt-Lrp5 Signaling Regulates Fatty Acid Metabolism in the Osteoblast. Molecular and Cellular Biology, 2015, 35, 1979-1991.	2.3	115
14	Regulation of hypothalamic malonyl-CoA by central glucose and leptin. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 19285-19290.	7.1	113
15	The Role of Hypothalamic Malonyl-CoA in Energy Homeostasis. Journal of Biological Chemistry, 2006, 281, 37265-37269.	3.4	97
16	Hepatic Fatty Acid Oxidation Restrains Systemic Catabolism during Starvation. Cell Reports, 2016, 16, 201-212.	6.4	91
17	Fatty acid oxidation is required for active and quiescent brown adipose tissue maintenance and thermogenic programing. Molecular Metabolism, 2018, 7, 45-56.	6.5	88
18	Fatty acid oxidation by the osteoblast is required for normal bone acquisition in a sex- and diet-dependent manner. JCI Insight, 2017, 2, .	5.0	84

#	Article	IF	Citations
19	Brainâ€•specific carnitine palmitoylâ€•transferaseâ€•1c: role in CNS fatty acid metabolism, food intake, and body weight. Journal of Neurochemistry, 2008, 105, 1550-1559.	3.9	80
20	Metabolic and Tissue-Specific Regulation of Acyl-CoA Metabolism. PLoS ONE, 2015, 10, e0116587.	2.5	80
21	Control of Energy Homeostasis: Role of Enzymes and Intermediates of Fatty Acid Metabolism in the Central Nervous System. Annual Review of Nutrition, 2006, 26, 23-44.	10.1	78
22	Acyl Coenzyme A Thioesterase 7 Regulates Neuronal Fatty Acid Metabolism To Prevent Neurotoxicity. Molecular and Cellular Biology, 2013, 33, 1869-1882.	2.3	69
23	Developmental regulation and localization of carnitine palmitoyltransferases (<scp>CPT</scp>s) in rat brain. Journal of Neurochemistry, 2017, 142, 407-419.	3.9	68
24	Glucose Transporter-4 Facilitates Insulin-Stimulated Glucose Uptake in Osteoblasts. Endocrinology, 2016, 157, 4094-4103.	2.8	67
25	The Mammalian Malonyl-CoA Synthetase ACSF3 Is Required for Mitochondrial Protein Malonylation and Metabolic Efficiency. Cell Chemical Biology, 2017, 24, 673-684.e4.	5.2	65
26	Loss of Hepatic Mitochondrial Long-Chain Fatty Acid Oxidation Confers Resistance to Diet-Induced Obesity and Glucose Intolerance. Cell Reports, 2017, 20, 655-667.	6.4	62
27	Hypothalamic malonyl-CoA and CPT1c in the treatment of obesity. FEBS Journal, 2011, 278, 552-558.	4.7	55
28	Metabolomic profiling reveals a role for CPT1c in neuronal oxidative metabolism. BMC Biochemistry, 2012, 13, 23.	4.4	54
29	Fatty acid metabolism by the osteoblast. Bone, 2018, 115, 8-14.	2.9	54
30	A Genetically Encoded Metabolite Sensor for Malonyl-CoA. Chemistry and Biology, 2012, 19, 1333-1339.	6.0	51
31	Copper-dependent amino oxidase 3 governs selection of metabolic fuels in adipocytes. PLoS Biology, 2018, 16, e2006519.	5.6	48
32	Requirement for the Mitochondrial Pyruvate Carrier in Mammalian Development Revealed by a Hypomorphic Allelic Series. Molecular and Cellular Biology, 2016, 36, 2089-2104.	2.3	47
33	Localization and effect of ectopic expression of CPT1c in CNS feeding centers. Biochemical and Biophysical Research Communications, 2007, 359, 469-474.	2.1	42
34	Sphingosine 1-Phosphate Activation of EGFR As a Novel Target for Meningitic Escherichia coli Penetration of the Blood-Brain Barrier. PLoS Pathogens, 2016, 12, e1005926.	4.7	41
35	Loss of Adipose Fatty Acid Oxidation Does Not Potentiate Obesity at Thermoneutrality. Cell Reports, 2016, 14, 1308-1316.	6.4	39
36	Lrp4 expression by adipocytes and osteoblasts differentially impacts sclerostinâ€™s endocrine effects on body composition and glucose metabolism. Journal of Biological Chemistry, 2019, 294, 6899-6911.	3.4	39

#	Article	IF	Citations
37	Regulation of maternalâ€“fetal metabolic communication. Cellular and Molecular Life Sciences, 2021, 78, 1455-1486.	5.4	38
38	Role of the malonyl-CoA synthetase ACSF3 in mitochondrial metabolism. Advances in Biological Regulation, 2019, 71, 34-40.	2.3	37
39	Macrophage fatty acid oxidation inhibits atherosclerosis progression. Journal of Molecular and Cellular Cardiology, 2019, 127, 270-276.	1.9	35
40	Î²-Catenin Directs Long-Chain Fatty Acid Catabolism in the Osteoblasts of Male Mice. Endocrinology, 2018, 159, 272-284.	2.8	34
41	Hypothalamic Malonyl-Coenzyme A and the Control of Energy Balance. Molecular Endocrinology, 2008, 22, 2012-2020.	3.7	33
42	Loss of CTRP5 improves insulin action and hepatic steatosis. American Journal of Physiology - Endocrinology and Metabolism, 2016, 310, E1036-E1052.	3.5	33
43	TATA-Box Binding Protein O-GlcNAcylation at T114 Regulates Formation of the B-TFIID Complex and Is Critical for Metabolic Gene Regulation. Molecular Cell, 2020, 77, 1143-1152.e7.	9.7	33
44	The mitochondrial carrier SFXN1 is critical for complex III integrity and cellular metabolism. Cell Reports, 2021, 34, 108869.	6.4	30
45	Carnitine palmitoyltransferaseâ€1c gainâ€ofâ€function in the brain results in postnatal microencephaly. Journal of Neurochemistry, 2011, 118, 388-398.	3.9	28
46	Loss of macrophage fatty acid oxidation does not potentiate systemic metabolic dysfunction. American Journal of Physiology - Endocrinology and Metabolism, 2017, 312, E381-E393.	3.5	28
47	Discordant hepatic fatty acid oxidation and triglyceride hydrolysis leads to liver disease. JCI Insight, 2021, 6, .	5.0	26
48	Progesterone receptor membrane component 1 (PGRMC1) binds and stabilizes cytochromes P450 through a heme-independent mechanism. Journal of Biological Chemistry, 2021, 297, 101316.	3.4	22
49	Inflammatory stimuli induce acyl-CoA thioesterase 7 and remodeling of phospholipids containing unsaturated long (â‰¥C20)-acyl chains in macrophages. Journal of Lipid Research, 2017, 58, 1174-1185.	4.2	21
50	Targeted Chemical-Genetic Regulation of Protein Stability InÂVivo. Chemistry and Biology, 2012, 19, 391-398.	6.0	18
51	Determining the Bioenergetic Capacity for Fatty Acid Oxidation in the Mammalian Nervous System. Molecular and Cellular Biology, 2020, 40, .	2.3	18
52	Maternal Lipid Metabolism Directs Fetal Liver Programming following Nutrient Stress. Cell Reports, 2019, 29, 1299-1310.e3.	6.4	14
53	The role of ethanolamine phosphate phospholyase in regulation of astrocyte lipid homeostasis. Journal of Biological Chemistry, 2021, 297, 100830.	3.4	12
54	Neurometabolic roles of ApoE and Ldl-R in mouse brain. Journal of Bioenergetics and Biomembranes, 2016, 48, 13-21.	2.3	9

#	Article	IF	Citations
55	mTORC1 activation is not sufficient to suppress hepatic PPARÎ± signaling or ketogenesis. Journal of Biological Chemistry, 2021, 297, 100884.	3.4	9
56	Chemical-genetic induction of Malonyl-CoA decarboxylase in skeletal muscle. BMC Biochemistry, 2014, 15, 20.	4.4	8
57	Deletion of translin (Tsn) induces robust adiposity and hepatic steatosis without impairing glucose tolerance. International Journal of Obesity, 2020, 44, 254-266.	3.4	7
58	Serum lipoproteinâ€"derived fatty acids regulate hypoxia-inducible factor. Journal of Biological Chemistry, 2020, 295, 18284-18300.	3.4	7
59	Loss of ACOT7 potentiates seizures and metabolic dysfunction. American Journal of Physiology - Endocrinology and Metabolism, 2019, 317, E941-E951.	3.5	4
60	Reducing Fatty Acid Oxidation Improves Cancer-free Survival in a Mouse Model of Li-Fraumeni Syndrome. Cancer Prevention Research, 2021, 14, 31-40.	1.5	3
61	Functional loss of ketogenesis in odontocete cetaceans. Journal of Experimental Biology, 2021, 224, .	1.7	3
62	Regulation of hepatic transcriptional architecture by PparÎ± and fatty acid oxidation. FASEB Journal, 2021, 35, .	0.5	0
63	Control of hypothalamic malonylâ€CoA by central glucose and leptin. FASEB Journal, 2008, 22, 116.2.	0.5	0
64	Local and systemic actions of hepatic fatty acid oxidation. FASEB Journal, 2020, 34, 1-1.	0.5	0