

Magdalene K Montgomery

List of Publications by Year in descending order

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Version: 2024-02-01

44
papers

3,732
citations

257101

24
h-index

233125

45
g-index

47
all docs

47
docs citations

47
times ranked

7583
citing authors

#	ARTICLE	IF	CITATIONS
1	Declining NAD ⁺ Induces a Pseudohypoxic State Disrupting Nuclear-Mitochondrial Communication during Aging. <i>Cell</i> , 2013, 155, 1624-1638.	13.5	1,134
2	Mitochondrial dysfunction and insulin resistance: an update. <i>Endocrine Connections</i> , 2015, 4, R1-R15.	0.8	393
3	The Liver as an Endocrine Organ—Linking NAFLD and Insulin Resistance. <i>Endocrine Reviews</i> , 2019, 40, 1367-1393.	8.9	341
4	Mouse strain-dependent variation in obesity and glucose homeostasis in response to high-fat feeding. <i>Diabetologia</i> , 2013, 56, 1129-1139.	2.9	327
5	Suppressing fatty acid uptake has therapeutic effects in preclinical models of prostate cancer. <i>Science Translational Medicine</i> , 2019, 11, .	5.8	210
6	The role of mitochondrial sirtuins in health and disease. <i>Free Radical Biology and Medicine</i> , 2016, 100, 164-174.	1.3	137
7	Epicardial Adipose Tissue Accumulation Confers Atrial Conduction Abnormality. <i>Journal of the American College of Cardiology</i> , 2020, 76, 1197-1211.	1.2	103
8	Contrasting metabolic effects of medium- versus long-chain fatty acids in skeletal muscle. <i>Journal of Lipid Research</i> , 2013, 54, 3322-3333.	2.0	93
9	A selective inhibitor of ceramide synthase 1 reveals a novel role in fat metabolism. <i>Nature Communications</i> , 2018, 9, 3165.	5.8	93
10	Regulation of glucose homeostasis and insulin action by ceramide acyl-chain length: A beneficial role for very long-chain sphingolipid species. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2016, 1861, 1828-1839.	1.2	66
11	The effects of fasting and cold exposure on metabolic rate and mitochondrial proton leak in liver and skeletal muscle of an amphibian, the cane toad <i>Bufo marinus</i> . <i>Journal of Experimental Biology</i> , 2008, 211, 1911-1918.	0.8	58
12	An ancient look at UCP1. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2008, 1777, 637-641.	0.5	57
13	Perilipin 5 Deletion in Hepatocytes Remodels Lipid Metabolism and Causes Hepatic Insulin Resistance in Mice. <i>Diabetes</i> , 2019, 68, 543-555.	0.3	54
14	The Long Life of Birds: The Rat-Pigeon Comparison Revisited. <i>PLoS ONE</i> , 2011, 6, e24138.	1.1	49
15	Does the oxidative stress theory of aging explain longevity differences in birds? I. Mitochondrial ROS production. <i>Experimental Gerontology</i> , 2012, 47, 203-210.	1.2	42
16	Impact of Lipotoxicity on Tissue “Cross Talk” and Metabolic Regulation. <i>Physiology</i> , 2019, 34, 134-149.	1.6	42
17	Does the oxidative stress theory of aging explain longevity differences in birds? II. Antioxidant systems and oxidative damage. <i>Experimental Gerontology</i> , 2012, 47, 211-222.	1.2	37
18	Inhibitor of differentiation proteins protect against oxidative stress by regulating the antioxidant “mitochondrial response in mouse beta cells. <i>Diabetologia</i> , 2015, 58, 758-770.	2.9	37

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19	Deletion of intestinal Hdac3 remodels the lipidome of enterocytes and protects mice from diet-induced obesity. <i>Nature Communications</i> , 2019, 10, 5291.	5.8	37
20	Perilipin 5 Deletion Unmasks an Endoplasmic Reticulum Stress-Fibroblast Growth Factor 21 Axis in Skeletal Muscle. <i>Diabetes</i> , 2018, 67, 594-606.	0.3	36
21	Regulation of mitochondrial metabolism in murine skeletal muscle by the medium-chain fatty acid receptor Gpr84. <i>FASEB Journal</i> , 2019, 33, 12264-12276.	0.2	36
22	Disparate metabolic response to fructose feeding between different mouse strains. <i>Scientific Reports</i> , 2016, 5, 18474.	1.6	35
23	SMOC1 is a glucose-responsive hepatokine and therapeutic target for glycemic control. <i>Science Translational Medicine</i> , 2020, 12, .	5.8	29
24	Mitochondrial Dysfunction and Diabetes: Is Mitochondrial Transfer a Friend or Foe?. <i>Biology</i> , 2019, 8, 33.	1.3	28
25	Association of muscle lipidomic profile with high-fat diet-induced insulin resistance across five mouse strains. <i>Scientific Reports</i> , 2017, 7, 13914.	1.6	26
26	Perilipin 5 S155 phosphorylation by PKA is required for the control of hepatic lipid metabolism and glycemic control. <i>Journal of Lipid Research</i> , 2021, 62, 100016.	2.0	23
27	Disrupted sphingolipid metabolism following acute clozapine and olanzapine administration. <i>Journal of Biomedical Science</i> , 2018, 25, 40.	2.6	22
28	Inter-organelle Communication in the Pathogenesis of Mitochondrial Dysfunction and Insulin Resistance. <i>Current Diabetes Reports</i> , 2020, 20, 20.	1.7	20
29	Metabolic rate and membrane fatty acid composition in birds: a comparison between long-living parrots and short-living fowl. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2012, 182, 127-137.	0.7	17
30	PPAR α -independent actions of omega-3 PUFAs contribute to their beneficial effects on adiposity and glucose homeostasis. <i>Scientific Reports</i> , 2014, 4, 5538.	1.6	15
31	Perilipin 5 is dispensable for normal substrate metabolism and in the adaptation of skeletal muscle to exercise training. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2016, 311, E128-E137.	1.8	15
32	The role of Ap2a2 in PPAR α -mediated regulation of lipolysis in adipose tissue. <i>FASEB Journal</i> , 2019, 33, 13267-13279.	0.2	15
33	Glucagon phosphorylates serine 552 of β -catenin leading to increased expression of cyclin D1 and c-Myc in the isolated rat liver. <i>Archives of Physiology and Biochemistry</i> , 2015, 121, 88-96.	1.0	13
34	Ectodysplasin A Is Increased in Non-Alcoholic Fatty Liver Disease, But Is Not Associated With Type 2 Diabetes. <i>Frontiers in Endocrinology</i> , 2021, 12, 642432.	1.5	13
35	Proteomic analysis reveals exercise training induced remodelling of hepatokine secretion and uncovers syndecan-4 as a regulator of hepatic lipid metabolism. <i>Molecular Metabolism</i> , 2022, 60, 101491.	3.0	12
36	Deep proteomic profiling unveils arylsulfatase A as a non-alcoholic steatohepatitis inducible hepatokine and regulator of glycemic control. <i>Nature Communications</i> , 2022, 13, 1259.	5.8	11

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37	Protein hypoacylation induced by Sirt5 overexpression has minimal metabolic effect in mice. <i>Biochemical and Biophysical Research Communications</i> , 2018, 503, 1349-1355.	1.0	8
38	Hexosaminidase A (HEXA) regulates hepatic sphingolipid and lipoprotein metabolism in mice. <i>FASEB Journal</i> , 2021, 35, e22046.	0.2	8
39	Choline administration attenuates aspects of the dystrophic pathology in mdx mice. <i>Clinical Nutrition Experimental</i> , 2019, 24, 83-91.	2.0	7
40	EGFRvIII Promotes Cell Survival during Endoplasmic Reticulum Stress through a Reticulocalbin 1-Dependent Mechanism. <i>Cancers</i> , 2021, 13, 1198.	1.7	7
41	Molecular regulators of lipid metabolism in the intestine – Underestimated therapeutic targets for obesity?. <i>Biochemical Pharmacology</i> , 2020, 178, 114091.	2.0	6
42	Circulating cathepsin S improves glycaemic control in mice. <i>Journal of Endocrinology</i> , 2021, 248, 167-179.	1.2	6
43	Western Diet Induced Remodelling of the Tongue Proteome. <i>Proteomes</i> , 2021, 9, 22.	1.7	5
44	PS - 46. SIRT3 overexpression in rat skeletal muscle does not alleviate high-fat diet-induced insulin resistance. <i>Nederlands Tijdschrift Voor Diabetologie</i> , 2012, 10, 130-130.	0.0	0