Nicholas M Morton

List of Publications by Year
in descending order

58	5,646	172457	144013
papers	citations	29 h-index	57 g-index

64	64	64	5144
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A Transgenic Model of Visceral Obesity and the Metabolic Syndrome. Science, 2001, 294, 2166-2170.	12.6	1,622
2	Novel Adipose Tissueâ€“Mediated Resistance to Diet-Induced Visceral Obesity in 11Î²-Hydroxysteroid Dehydrogenase Type 1â€“Deficient Mice. Diabetes, 2004, 53, 931-938.	0.6	476
3	Metabolic syndrome without obesity: Hepatic overexpression of 11Î²-hydroxysteroid dehydrogenase type 1 in transgenic mice. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 7088-7093.	7.1	399
4	Improved Lipid and Lipoprotein Profile, Hepatic Insulin Sensitivity, and Glucose Tolerance in 11Î²-Hydroxysteroid Dehydrogenase Type 1 Null Mice. Journal of Biological Chemistry, 2001, 276, 41293-41300.	3.4	395
5	Transgenic amplification of glucocorticoid action in adipose tissue causes high blood pressure in mice. Journal of Clinical Investigation, 2003, 112, 83-90.	8.2	387
6	Adipocyte-Specific Glucocorticoid Inactivation Protects Against Diet-Induced Obesity. Diabetes, 2005, 54, 1023-1031.	0.6	235
7	Glucocorticoids Acutely Increase Brown Adipose Tissue Activity in Humans, Revealing Species-Specific Differences in UCP-1 Regulation. Cell Metabolism, 2016, 24, 130-141.	16.2	147
8	11&Bgr;-Hydroxysteroid Dehydrogenase Type 1 and Obesity. , 2008, 36, 146-164.		117
9	Down-Regulation of Adipose 11Î²-Hydroxysteroid Dehydrogenase Type 1 by High-Fat Feeding in Mice: A Potential Adaptive Mechanism Counteracting Metabolic Disease. Endocrinology, 2004, 145, 2707-2712.	2.8	102
10	Bone marrow adipose tissue is a unique adipose subtype with distinct roles in glucose homeostasis. Nature Communications, 2020, 11, 3097.	12.8	98
11	Omental 11Î²â€hydroxysteroid Dehydrogenase 1 Correlates with Fat Cell Size Independently of Obesity. Obesity, 2007, 15, 1155-1163.	3.0	95
12	Increased Angiogenesis Protects against Adipose Hypoxia and Fibrosis in Metabolic Disease-resistant 11Î²-Hydroxysteroid Dehydrogenase Type 1 (HSD1)-deficient Mice. Journal of Biological Chemistry, 2012, 287, 4188-4197.	3.4	82
13	Cysteine and hydrogen sulphide in the regulation of metabolism: insights from genetics and pharmacology. Journal of Pathology, 2016, 238, 321-332.	4.5	76
14	Mitochondrial bioenergetic deficits in C9orf72 amyotrophic lateral sclerosis motor neurons cause dysfunctional axonal homeostasis. Acta Neuropathologica, 2021, 141, 257-279.	7.7	76
15	Dietary Macronutrient Content Alters Cortisol Metabolism Independently of Body Weight Changes in Obese Men. Journal of Clinical Endocrinology and Metabolism, 2007, 92, 4480-4484.	3.6	71
16	Reduced Adipose Glucocorticoid Reactivation and Increased Hepatic Glucocorticoid Clearance as an Early Adaptation to High-Fat Feeding in Wistar Rats. Endocrinology, 2005, 146, 913-919.	2.8	69
17	Bioenergetic status modulates motor neuron vulnerability and pathogenesis in a zebrafish model of spinal muscular atrophy. PLoS Genetics, 2017, 13, e1006744.	3.5	69
18	A Polygenic Model of the Metabolic Syndrome With Reduced Circulating and Intra-Adipose Glucocorticoid Action. Diabetes, 2005, 54, 3371-3378.	0.6	62

#	Article	IF	Citations
19	Fumarate hydratase is a critical metabolic regulator of hematopoietic stem cell functions. Journal of Experimental Medicine, 2017, 214, 719-735.	8.5	62
20	Hypoxia determines survival outcomes of bacterial infection through HIF-1Î±â€“dependent reprogramming of leukocyte metabolism. Science Immunology, 2017, 2, .	11.9	61
21	Osteocalcin Regulates Arterial Calcification Via Altered Wnt Signaling and Glucose Metabolism. Journal of Bone and Mineral Research, 2020, 35, 357-367.	2.8	59
22	Genetic identification of thiosulfate sulfurtransferase as an adipocyte-expressed antidiabetic target in mice selected for leanness. Nature Medicine, 2016, 22, 771-779.	30.7	57
23	Novel Fat Depotâ€“Specific Mechanisms Underlie Resistance to Visceral Obesity and Inflammation in 11Î²-Hydroxysteroid Dehydrogenase Type 1â€“Deficient Mice. Diabetes, 2011, 60, 1158-1167.	0.6	54
24	Adipocyte Pseudohypoxia Suppresses Lipolysis and Facilitates Benign Adipose Tissue Expansion. Diabetes, 2015, 64, 733-745.	0.6	49
25	A Stratified Transcriptomics Analysis of Polygenic Fat and Lean Mouse Adipose Tissues Identifies Novel Candidate Obesity Genes. PLoS ONE, 2011, 6, e23944.	2.5	48
26	7-Oxysterols Modulate Glucocorticoid Activity in Adipocytes through Competition for 11Î²-Hydroxysteroid Dehydrogenase Type. Endocrinology, 2008, 149, 5909-5918.	2.8	47
27	11Î²-Hydroxysteroid Dehydrogenase Type 1 Induction in the Arcuate Nucleus by High-Fat Feeding: A Novel Constraint to Hyperphagia?. Endocrinology, 2006, 147, 4486-4495.	2.8	43
28	Substrate Utilization by Brown Adipose Tissue: Whatâ€™s Hot and Whatâ€™s Not?. Frontiers in Endocrinology, 2020, 11, 571659.	3.5	43
29	The long non-coding RNA Cerox1 is a post transcriptional regulator of mitochondrial complex I catalytic activity. ELife, 2019, 8, .	6.0	42
30	A Syntenic Cross Species Aneuploidy Genetic Screen Links RCAN1 Expression to Î²-Cell Mitochondrial Dysfunction in Type 2 Diabetes. PLoS Genetics, 2016, 12, e1006033.	3.5	39
31	Human umbilical cord perivascular cells improve human pancreatic islet transplant function by increasing vascularization. Science Translational Medicine, 2020, 12, .	12.4	34
32	Optimal Elevation of Î²-Cell 11Î²-Hydroxysteroid Dehydrogenase Type 1 Is a Compensatory Mechanism That Prevents High-Fat Dietâ€“Induced Î²-Cell Failure. Diabetes, 2012, 61, 642-652.	0.6	26
33	Complement Factor B Is a Determinant of Both Metabolic and Cardiovascular Features of Metabolic Syndrome. Hypertension, 2017, 70, 624-633.	2.7	26
34	Hydrogen sulfide in ageing, longevity and disease. Biochemical Journal, 2021, 478, 3485-3504.	3.7	24
35	Genomic loci mispositioning in Tmem120a knockout mice yields latent lipodystrophy. Nature Communications, 2022, 13, 321.	12.8	24
36	Divergent Physical Activity and Novel Alternative Responses to High Fat Feeding in Polygenic Fat and Lean Mice. Behavior Genetics, 2008, 38, 292-300.	2.1	23

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37	Mouse Idh3a mutations cause retinal degeneration and reduced mitochondrial function. DMM Disease Models and Mechanisms, 2018, 11, .	2.4	23
38	Regulation of Adipocyte 11Î²-Hydroxysteroid Dehydrogenase Type 1 (11Î²-HSD1) by CCAAT/Enhancer-Binding Protein (C/EBP) Î² Isoforms, LIP and LAP. PLoS ONE, 2012, 7, e37953.	2.5	22
39	Deficiency of the bone mineralization inhibitor NPP1 protects against obesity and diabetes. DMM Disease Models and Mechanisms, 2014, 7, 1341-50.	2.4	21
40	Peripheral mechanisms contributing to the glucocorticoid hypersensitivity in proopiomelanocortin null mice treated with corticosterone. Journal of Endocrinology, 2007, 194, 161-170.	2.6	20
41	Sideroflexin 3 is a Î±-synuclein-dependent mitochondrial protein that regulates synaptic morphology. Journal of Cell Science, 2017, 130, 325-331.	2.0	19
42	A human pluripotent stem cell model for the analysis of metabolic dysfunction in hepatic steatosis. IScience, 2021, 24, 101931.	4.1	19
43	Dietary manipulation reveals an unexpected inverse relationship between fat mass and adipose 11Î²-hydroxysteroid dehydrogenase type 1. American Journal of Physiology - Endocrinology and Metabolism, 2011, 300, E1076-E1084.	3.5	18
44	Coding and regulatory variants are associated with serum protein levels and disease. Nature Communications, 2022, 13, 481.	12.8	18
45	The phospholipase A2 familyâ€™s role in metabolic diseases: Focus on skeletal muscle. Physiological Reports, 2021, 9, e14662.	1.7	17
46	Editorial: Are Rodent Models Fit for Investigation of Human Obesity and Related Diseases?. Frontiers in Nutrition, 2017, 4, 58.	3.7	15
47	Camk2n1 Is a Negative Regulator of Blood Pressure, Left Ventricular Mass, Insulin Sensitivity, and Promotes Adiposity. Hypertension, 2019, 74, 687-696.	2.7	13
48	PHOSPHO1 is a skeletal regulator of insulin resistance and obesity. BMC Biology, 2020, 18, 149.	3.8	13
49	Multiparametric High-Content Cell Painting Identifies Copper Ionophores as Selective Modulators of Esophageal Cancer Phenotypes. ACS Chemical Biology, 2022, 17, 1876-1889.	3.4	11
50	Strain-specificity in the hydrogen sulphide signalling network following dietary restriction in recombinant inbred mice. GeroScience, 2020, 42, 801-812.	4.6	10
51	JMJD6 promotes self-renewal and regenerative capacity of hematopoietic stem cells. Blood Advances, 2021, 5, 889-899.	5.2	9
52	Altered hypothalamic DNA methylation and stress-induced hyperactivity following early life stress. Epigenetics and Chromatin, 2021, 14, 31.	3.9	9
53	Effects of Proportions of Dietary Macronutrients on Glucocorticoid Metabolism in Diet-Induced Obesity in Rats. PLoS ONE, 2010, 5, e8779.	2.5	9
54	The hepatic compensatory response to elevated systemic sulfide promotes diabetes. Cell Reports, 2021, 37, 109958.	6.4	9

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55	Tst gene mediates protection against palmitate-induced inflammation in 3T3-L1 adipocytes. Biochemical and Biophysical Research Communications, 2020, 527, 1008-1013.	2.1	4
56	Construction of an integrative regulatory element and variation map of the murine Tst locus. BMC Genetics, 2016, 17, 77.	2.7	2
57	Genetic variants of the hypoxiaâ€inducible factor 3 alpha subunit (Hif3a) gene in the Fat and Lean mouse selection lines. Molecular Biology Reports, 2022, , 1.	2.3	2
58	Glucocorticoids as Modulators of Adipose Inflammation. Oxidative Stress and Disease, 2009, , 127-148.	0.3	0