Marcus M Seldin

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/1449778/publications.pdf Version: 2024-02-01



#	Article	IF	CITATIONS
1	Cardiomyocytes disrupt pyrimidine biosynthesis in nonmyocytes to regulate heart repair. Journal of Clinical Investigation, 2022, 132, .	8.2	16
2	Systems-level analysis of insulin action in mouse strains provides insight into tissue- and pathway-specific interactions that drive insulin resistance. Cell Metabolism, 2022, 34, 227-239.e6.	16.2	29
3	A mechanistic framework for cardiometabolic and coronary artery diseases. , 2022, 1, 85-100.		51
4	Genetic variation of putative myokine signaling is dominated by biological sex and sex hormones. ELife, 2022, 11, .	6.0	13
5	Sex differences in heart mitochondria regulate diastolic dysfunction. Nature Communications, 2022, 13, .	12.8	30
6	Genetic regulation of liver lipids in a mouse model of insulin resistance and hepatic steatosis. Molecular Systems Biology, 2021, 17, e9684.	7.2	16
7	Genome-wide analysis identifies novel susceptibility loci for myocardial infarction. European Heart Journal, 2021, 42, 919-933.	2.2	113
8	Inflammation and reproductive function in women with polycystic ovary syndrome. Biology of Reproduction, 2021, 104, 1205-1217.	2.7	41
9	CoffeeProt: an online tool for correlation and functional enrichment of systems genetics data. Nucleic Acids Research, 2021, 49, W104-W113.	14.5	6
10	Transcription Factor MAFF (MAF Basic Leucine Zipper Transcription Factor F) Regulates an Atherosclerosis Relevant Network Connecting Inflammation and Cholesterol Metabolism. Circulation, 2021, 143, 1809-1823.	1.6	28
11	NOTUM promotes thermogenic capacity and protects against diet-induced obesity in male mice. Scientific Reports, 2021, 11, 16409.	3.3	3
12	Genotoxic stress and viral infection induce transient expression of APOBEC3A and pro-inflammatory genes through two distinct pathways. Nature Communications, 2021, 12, 4917.	12.8	28
13	Anterograde regulation of mitochondrial genes and FGF21 signaling by hepatic LSD1. JCI Insight, 2021, 6, .	5.0	7
14	Integration of feeding behavior by the liver circadian clock reveals network dependency of metabolic rhythms. Science Advances, 2021, 7, eabi7828.	10.3	50
15	Estrogen receptor α controls metabolism in white and brown adipocytes by regulating <i>Polg1</i> and mitochondrial remodeling. Science Translational Medicine, 2020, 12, .	12.4	64
16	FAM13A affects body fat distribution and adipocyte function. Nature Communications, 2020, 11, 1465.	12.8	36
17	Type V Collagen in Scar Tissue Regulates the Size of Scar after Heart Injury. Cell, 2020, 182, 545-562.e23.	28.9	113
18	Sex-specific metabolic functions of adipose Lipocalin-2. Molecular Metabolism, 2019, 30, 30-47.	6.5	41

2

MARCUS M SELDIN

#	Article	IF	CITATIONS
19	Gene-by-Sex Interactions in Mitochondrial Functions and Cardio-Metabolic Traits. Cell Metabolism, 2019, 29, 932-949.e4.	16.2	79
20	Systems genetics applications in metabolism research. Nature Metabolism, 2019, 1, 1038-1050.	11.9	35
21	Systems-based approaches for investigation of inter-tissue communication. Journal of Lipid Research, 2019, 60, 450-455.	4.2	9
22	Targeted deletion of Tcf7l2 in adipocytes promotes adipocyte hypertrophy and impaired glucose metabolism. Molecular Metabolism, 2019, 24, 44-63.	6.5	46
23	An integrative systems genetic analysis of mammalian lipid metabolism. Nature, 2019, 567, 187-193.	27.8	101
24	The impact of exercise on mitochondrial dynamics and the role of Drp1 in exercise performance and training adaptations in skeletal muscle. Molecular Metabolism, 2019, 21, 51-67.	6.5	83
25	Topological Arrangement of Cardiac Fibroblasts Regulates Cellular Plasticity. Circulation Research, 2018, 123, 73-85.	4.5	42
26	Integration of Multi-omics Data from Mouse Diversity Panel Highlights Mitochondrial Dysfunction in Non-alcoholic Fatty Liver Disease. Cell Systems, 2018, 6, 103-115.e7.	6.2	124
27	A Strategy for Discovery of Endocrine Interactions with Application to Whole-Body Metabolism. Cell Metabolism, 2018, 27, 1138-1155.e6.	16.2	58
28	Epigenome-wide association in adipose tissue from the METSIM cohort. Human Molecular Genetics, 2018, 27, 1830-1846.	2.9	38
29	IL-10 Signaling Remodels Adipose Chromatin Architecture to Limit Thermogenesis and Energy Expenditure. Cell, 2018, 172, 218-233.e17.	28.9	142
30	Systems Genetics Approach to Biomarker Discovery: GPNMB and Heart Failure in Mice and Humans. G3: Genes, Genomes, Genetics, 2018, 8, 3499-3506.	1.8	14
31	Multi-omics approaches to disease. Genome Biology, 2017, 18, 83.	8.8	1,439
32	A systems genetics approach identifiesTrp53inp2as a link between cardiomyocyte glucose utilization and hypertrophic response. American Journal of Physiology - Heart and Circulatory Physiology, 2017, 312, H728-H741.	3.2	12
33	C1q/TNF-related protein 6 (CTRP6) links obesity to adipose tissue inflammation and insulin resistance. Journal of Biological Chemistry, 2017, 292, 14836-14850.	3.4	67
34	Mice lacking sialyltransferase ST3Gal-II develop late-onset obesity and insulin resistance. Glycobiology, 2017, 27, 129-139.	2.5	26
35	Loss of CTRP5 improves insulin action and hepatic steatosis. American Journal of Physiology - Endocrinology and Metabolism, 2016, 310, E1036-E1052.	3.5	33
36	The Hybrid Mouse Diversity Panel: a resource for systems genetics analyses of metabolic and cardiovascular traits. Journal of Lipid Research, 2016, 57, 925-942.	4.2	143

MARCUS M SELDIN

#	Article	IF	CITATIONS
37	Trimethylamine Nâ€Oxide Promotes Vascular Inflammation Through Signaling of Mitogenâ€Activated Protein Kinase and Nuclear Factorâ€ÎºB. Journal of the American Heart Association, 2016, 5, .	3.7	579
38	Expression of the Astrocyte Water Channel Aquaporin-4 in the Mouse Brain. ASN Neuro, 2015, 7, 175909141560548.	2.7	104
39	Dynamic Visualization of mTORC1 Activity in Living Cells. Cell Reports, 2015, 10, 1767-1777.	6.4	106
40	Mouse-Human Experimental Epigenetic Analysis Unmasks Dietary Targets and Genetic Liability for Diabetic Phenotypes. Cell Metabolism, 2015, 21, 138-149.	16.2	98
41	Thromboxane synthase deficiency improves insulin action and attenuates adipose tissue fibrosis. American Journal of Physiology - Endocrinology and Metabolism, 2015, 308, E792-E804.	3.5	24
42	C1q/TNF-related Protein 4 (CTRP4) Is a Unique Secreted Protein with Two Tandem C1q Domains That Functions in the Hypothalamus to Modulate Food Intake and Body Weight. Journal of Biological Chemistry, 2014, 289, 4055-4069.	3.4	56
43	Seasonal oscillation of liver-derived hibernation protein complex in the central nervous system of non-hibernating mammals. Journal of Experimental Biology, 2014, 217, 2667-2679.	1.7	10
44	Dynamic and extensive metabolic state-dependent regulation of cytokine expression and circulating levels. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2014, 307, R1458-R1470.	1.8	15
45	Metabolic function of the CTRP family of hormones. Reviews in Endocrine and Metabolic Disorders, 2014, 15, 111-123.	5.7	195
46	CTRP2 Overexpression Improves Insulin and Lipid Tolerance in Diet-Induced Obese Mice. PLoS ONE, 2014, 9, e88535.	2.5	36
47	Skeletal Muscle-derived Myonectin Activates the Mammalian Target of Rapamycin (mTOR) Pathway to Suppress Autophagy in Liver. Journal of Biological Chemistry, 2013, 288, 36073-36082.	3.4	90
48	CTRP9 transgenic mice are protected from diet-induced obesity and metabolic dysfunction. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2013, 305, R522-R533.	1.8	106
49	CTRP3 attenuates diet-induced hepatic steatosis by regulating triglyceride metabolism. American Journal of Physiology - Renal Physiology, 2013, 305, G214-G224.	3.4	105
50	C1q/Tumor Necrosis Factor-related Protein 11 (CTRP11), a Novel Adipose Stroma-derived Regulator of Adipogenesis. Journal of Biological Chemistry, 2013, 288, 10214-10229.	3.4	61
51	A Central Role for C1q/TNF-Related Protein 13 (CTRP13) in Modulating Food Intake and Body Weight. PLoS ONE, 2013, 8, e62862.	2.5	47
52	Myonectin (CTRP15), a Novel Myokine That Links Skeletal Muscle to Systemic Lipid Homeostasis. Journal of Biological Chemistry, 2012, 287, 11968-11980.	3.4	294
53	Endopeptidase Cleavage Generates a Functionally Distinct Isoform of C1q/Tumor Necrosis Factor-related Protein-12 (CTRP12) with an Altered Oligomeric State and Signaling Specificity. Journal of Biological Chemistry, 2012, 287, 35804-35814.	3.4	37
54	Regulation of tissue crosstalk by skeletal muscle-derived myonectin and other myokines. Adipocyte, 2012, 1, 200-202.	2.8	53

MARCUS M SELDIN

#	Article	IF	CITATIONS
55	Decreased expression of the glial water channel aquaporin-4 in the intrahippocampal kainic acid model of epileptogenesis. Experimental Neurology, 2012, 235, 246-255.	4.1	102
56	Aquaporin-4-dependent edema clearance following status epilepticus. Epilepsy Research, 2012, 98, 264-268.	1.6	27
57	Laminar-specific and developmental expression of aquaporin-4 in the mouse hippocampus. Neuroscience, 2011, 178, 21-32.	2.3	64
58	Protective role of aquaporinâ€4 water channels after contusion spinal cord injury. Annals of Neurology, 2010, 67, 794-801.	5.3	78