

Marcus M Seldin

List of Publications by Year in descending order

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Version: 2024-02-01

58
papers

5,475
citations

126708

33
h-index

138251

58
g-index

61
all docs

61
docs citations

61
times ranked

8727
citing authors

#	ARTICLE	IF	CITATIONS
1	Cardiomyocytes disrupt pyrimidine biosynthesis in nonmyocytes to regulate heart repair. <i>Journal of Clinical Investigation</i> , 2022, 132, .	3.9	16
2	Systems-level analysis of insulin action in mouse strains provides insight into tissue- and pathway-specific interactions that drive insulin resistance. <i>Cell Metabolism</i> , 2022, 34, 227-239.e6.	7.2	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. <i>ELife</i> , 2022, 11, .	2.8	13
5	Sex differences in heart mitochondria regulate diastolic dysfunction. <i>Nature Communications</i> , 2022, 13, .	5.8	30
6	Genetic regulation of liver lipids in a mouse model of insulin resistance and hepatic steatosis. <i>Molecular Systems Biology</i> , 2021, 17, e9684.	3.2	16
7	Genome-wide analysis identifies novel susceptibility loci for myocardial infarction. <i>European Heart Journal</i> , 2021, 42, 919-933.	1.0	113
8	Inflammation and reproductive function in women with polycystic ovary syndrome. <i>Biology of Reproduction</i> , 2021, 104, 1205-1217.	1.2	41
9	CoffeeProt: an online tool for correlation and functional enrichment of systems genetics data. <i>Nucleic Acids Research</i> , 2021, 49, W104-W113.	6.5	6
10	Transcription Factor MAFF (MAF Basic Leucine Zipper Transcription Factor F) Regulates an Atherosclerosis Relevant Network Connecting Inflammation and Cholesterol Metabolism. <i>Circulation</i> , 2021, 143, 1809-1823.	1.6	28
11	NOTUM promotes thermogenic capacity and protects against diet-induced obesity in male mice. <i>Scientific Reports</i> , 2021, 11, 16409.	1.6	3
12	Genotoxic stress and viral infection induce transient expression of APOBEC3A and pro-inflammatory genes through two distinct pathways. <i>Nature Communications</i> , 2021, 12, 4917.	5.8	28
13	Anterograde regulation of mitochondrial genes and FGF21 signaling by hepatic LSD1. <i>JCI Insight</i> , 2021, 6, .	2.3	7
14	Integration of feeding behavior by the liver circadian clock reveals network dependency of metabolic rhythms. <i>Science Advances</i> , 2021, 7, eabi7828.	4.7	50
15	Estrogen receptor α controls metabolism in white and brown adipocytes by regulating <i>Polg1</i> and mitochondrial remodeling. <i>Science Translational Medicine</i> , 2020, 12, .	5.8	64
16	FAM13A affects body fat distribution and adipocyte function. <i>Nature Communications</i> , 2020, 11, 1465.	5.8	36
17	Type V Collagen in Scar Tissue Regulates the Size of Scar after Heart Injury. <i>Cell</i> , 2020, 182, 545-562.e23.	13.5	113
18	Sex-specific metabolic functions of adipose Lipocalin-2. <i>Molecular Metabolism</i> , 2019, 30, 30-47.	3.0	41

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19	Gene-by-Sex Interactions in Mitochondrial Functions and Cardio-Metabolic Traits. <i>Cell Metabolism</i> , 2019, 29, 932-949.e4.	7.2	79
20	Systems genetics applications in metabolism research. <i>Nature Metabolism</i> , 2019, 1, 1038-1050.	5.1	35
21	Systems-based approaches for investigation of inter-tissue communication. <i>Journal of Lipid Research</i> , 2019, 60, 450-455.	2.0	9
22	Targeted deletion of Tcf7l2 in adipocytes promotes adipocyte hypertrophy and impaired glucose metabolism. <i>Molecular Metabolism</i> , 2019, 24, 44-63.	3.0	46
23	An integrative systems genetic analysis of mammalian lipid metabolism. <i>Nature</i> , 2019, 567, 187-193.	13.7	101
24	The impact of exercise on mitochondrial dynamics and the role of Drp1 in exercise performance and training adaptations in skeletal muscle. <i>Molecular Metabolism</i> , 2019, 21, 51-67.	3.0	83
25	Topological Arrangement of Cardiac Fibroblasts Regulates Cellular Plasticity. <i>Circulation Research</i> , 2018, 123, 73-85.	2.0	42
26	Integration of Multi-omics Data from Mouse Diversity Panel Highlights Mitochondrial Dysfunction in Non-alcoholic Fatty Liver Disease. <i>Cell Systems</i> , 2018, 6, 103-115.e7.	2.9	124
27	A Strategy for Discovery of Endocrine Interactions with Application to Whole-Body Metabolism. <i>Cell Metabolism</i> , 2018, 27, 1138-1155.e6.	7.2	58
28	Epigenome-wide association in adipose tissue from the METSIM cohort. <i>Human Molecular Genetics</i> , 2018, 27, 1830-1846.	1.4	38
29	IL-10 Signaling Remodels Adipose Chromatin Architecture to Limit Thermogenesis and Energy Expenditure. <i>Cell</i> , 2018, 172, 218-233.e17.	13.5	142
30	Systems Genetics Approach to Biomarker Discovery: GPNMB and Heart Failure in Mice and Humans. <i>G3: Genes, Genomes, Genetics</i> , 2018, 8, 3499-3506.	0.8	14
31	Multi-omics approaches to disease. <i>Genome Biology</i> , 2017, 18, 83.	3.8	1,439
32	A systems genetics approach identifies Trp53inp2 as a link between cardiomyocyte glucose utilization and hypertrophic response. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2017, 312, H728-H741.	1.5	12
33	C1q/TNF-related protein 6 (CTRP6) links obesity to adipose tissue inflammation and insulin resistance. <i>Journal of Biological Chemistry</i> , 2017, 292, 14836-14850.	1.6	67
34	Mice lacking sialyltransferase ST3Gal-II develop late-onset obesity and insulin resistance. <i>Glycobiology</i> , 2017, 27, 129-139.	1.3	26
35	Loss of CTRP5 improves insulin action and hepatic steatosis. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2016, 310, E1036-E1052.	1.8	33
36	The Hybrid Mouse Diversity Panel: a resource for systems genetics analyses of metabolic and cardiovascular traits. <i>Journal of Lipid Research</i> , 2016, 57, 925-942.	2.0	143

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37	Trimethylamine N-oxide Promotes Vascular Inflammation Through Signaling of Mitogen-Activated Protein Kinase and Nuclear Factor- κ B. <i>Journal of the American Heart Association</i> , 2016, 5, .	1.6	579
38	Expression of the Astrocyte Water Channel Aquaporin-4 in the Mouse Brain. <i>ASN Neuro</i> , 2015, 7, 175909141560548.	1.5	104
39	Dynamic Visualization of mTORC1 Activity in Living Cells. <i>Cell Reports</i> , 2015, 10, 1767-1777.	2.9	106
40	Mouse-Human Experimental Epigenetic Analysis Unmasks Dietary Targets and Genetic Liability for Diabetic Phenotypes. <i>Cell Metabolism</i> , 2015, 21, 138-149.	7.2	98
41	Thromboxane synthase deficiency improves insulin action and attenuates adipose tissue fibrosis. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2015, 308, E792-E804.	1.8	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. <i>Journal of Biological Chemistry</i> , 2014, 289, 4055-4069.	1.6	56
43	Seasonal oscillation of liver-derived hibernation protein complex in the central nervous system of non-hibernating mammals. <i>Journal of Experimental Biology</i> , 2014, 217, 2667-2679.	0.8	10
44	Dynamic and extensive metabolic state-dependent regulation of cytokine expression and circulating levels. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2014, 307, R1458-R1470.	0.9	15
45	Metabolic function of the CTRP family of hormones. <i>Reviews in Endocrine and Metabolic Disorders</i> , 2014, 15, 111-123.	2.6	195
46	CTRP2 Overexpression Improves Insulin and Lipid Tolerance in Diet-Induced Obese Mice. <i>PLoS ONE</i> , 2014, 9, e88535.	1.1	36
47	Skeletal Muscle-derived Myonectin Activates the Mammalian Target of Rapamycin (mTOR) Pathway to Suppress Autophagy in Liver. <i>Journal of Biological Chemistry</i> , 2013, 288, 36073-36082.	1.6	90
48	CTRP9 transgenic mice are protected from diet-induced obesity and metabolic dysfunction. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2013, 305, R522-R533.	0.9	106
49	CTRP3 attenuates diet-induced hepatic steatosis by regulating triglyceride metabolism. <i>American Journal of Physiology - Renal Physiology</i> , 2013, 305, G214-G224.	1.6	105
50	C1q/Tumor Necrosis Factor-related Protein 11 (CTRP11), a Novel Adipose Stroma-derived Regulator of Adipogenesis. <i>Journal of Biological Chemistry</i> , 2013, 288, 10214-10229.	1.6	61
51	A Central Role for C1q/TNF-Related Protein 13 (CTRP13) in Modulating Food Intake and Body Weight. <i>PLoS ONE</i> , 2013, 8, e62862.	1.1	47
52	Myonectin (CTRP15), a Novel Myokine That Links Skeletal Muscle to Systemic Lipid Homeostasis. <i>Journal of Biological Chemistry</i> , 2012, 287, 11968-11980.	1.6	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. <i>Journal of Biological Chemistry</i> , 2012, 287, 35804-35814.	1.6	37
54	Regulation of tissue crosstalk by skeletal muscle-derived myonectin and other myokines. <i>Adipocyte</i> , 2012, 1, 200-202.	1.3	53

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55	Decreased expression of the glial water channel aquaporin-4 in the intrahippocampal kainic acid model of epileptogenesis. <i>Experimental Neurology</i> , 2012, 235, 246-255.	2.0	102
56	Aquaporin-4-dependent edema clearance following status epilepticus. <i>Epilepsy Research</i> , 2012, 98, 264-268.	0.8	27
57	Laminar-specific and developmental expression of aquaporin-4 in the mouse hippocampus. <i>Neuroscience</i> , 2011, 178, 21-32.	1.1	64
58	Protective role of aquaporin-4 water channels after contusion spinal cord injury. <i>Annals of Neurology</i> , 2010, 67, 794-801.	2.8	78