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List of Publications by Year
in descending order

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58 papers	5,475 citations	126907 33 h-index	138484 58 g-index
61 all docs	61 docs citations	61 times ranked	8727 citing authors

#	Article	IF	Citations
1	Multi-omics approaches to disease. Genome Biology, 2017, 18, 83.	8.8	1,439
2	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
3	Myonectin (CTRP15), a Novel Myokine That Links Skeletal Muscle to Systemic Lipid Homeostasis. Journal of Biological Chemistry, 2012, 287, 11968-11980.	3.4	294
4	Metabolic function of the CTRP family of hormones. Reviews in Endocrine and Metabolic Disorders, 2014, 15, 111-123.	5.7	195
5	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
6	IL-10 Signaling Remodels Adipose Chromatin Architecture to Limit Thermogenesis and Energy Expenditure. Cell, 2018, 172, 218-233.e17.	28.9	142
7	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
8	Type V Collagen in Scar Tissue Regulates the Size of Scar after Heart Injury. Cell, 2020, 182, 545-562.e23.	28.9	113
9	Genome-wide analysis identifies novel susceptibility loci for myocardial infarction. European Heart Journal, 2021, 42, 919-933.	2.2	113
10	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
11	Dynamic Visualization of mTORC1 Activity in Living Cells. Cell Reports, 2015, 10, 1767-1777.	6.4	106
12	CTRP3 attenuates diet-induced hepatic steatosis by regulating triglyceride metabolism. American Journal of Physiology - Renal Physiology, 2013, 305, G214-G224.	3.4	105
13	Expression of the Astrocyte Water Channel Aquaporin-4 in the Mouse Brain. ASN Neuro, 2015, 7, 175909141560548.	2.7	104
14	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
15	An integrative systems genetic analysis of mammalian lipid metabolism. Nature, 2019, 567, 187-193.	27.8	101
16	Mouse-Human Experimental Epigenetic Analysis Unmasks Dietary Targets and Genetic Liability for Diabetic Phenotypes. Cell Metabolism, 2015, 21, 138-149.	16.2	98
17	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
18	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

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19	Gene-by-Sex Interactions in Mitochondrial Functions and Cardio-Metabolic Traits. Cell Metabolism, 2019, 29, 932-949.e4.	16.2	79
20	Protective role of aquaporinâ€4 water channels after contusion spinal cord injury. Annals of Neurology, 2010, 67, 794-801.	5.3	78
21	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
22	Laminar-specific and developmental expression of aquaporin-4 in the mouse hippocampus. Neuroscience, 2011, 178, 21-32.	2.3	64
23	Estrogen receptor Î± controls metabolism in white and brown adipocytes by regulating Polg1 and mitochondrial remodeling. Science Translational Medicine, 2020, 12, .	12.4	64
24	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
25	A Strategy for Discovery of Endocrine Interactions with Application to Whole-Body Metabolism. Cell Metabolism, 2018, 27, 1138-1155.e6.	16.2	58
26	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
27	Regulation of tissue crosstalk by skeletal muscle-derived myonectin and other myokines. Adipocyte, 2012, 1, 200-202.	2.8	53
28	A mechanistic framework for cardiometabolic and coronary artery diseases. , 2022, 1, 85-100.		51
29	Integration of feeding behavior by the liver circadian clock reveals network dependency of metabolic rhythms. Science Advances, 2021, 7, eabi7828.	10.3	50
30	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
31	Targeted deletion of Tcf7l2 in adipocytes promotes adipocyte hypertrophy and impaired glucose metabolism. Molecular Metabolism, 2019, 24, 44-63.	6.5	46
32	Topological Arrangement of Cardiac Fibroblasts Regulates Cellular Plasticity. Circulation Research, 2018, 123, 73-85.	4.5	42
33	Sex-specific metabolic functions of adipose Lipocalin-2. Molecular Metabolism, 2019, 30, 30-47.	6.5	41
34	Inflammation and reproductive function in women with polycystic ovary syndrome. Biology of Reproduction, 2021, 104, 1205-1217.	2.7	41
35	Epigenome-wide association in adipose tissue from the METSIM cohort. Human Molecular Genetics, 2018, 27, 1830-1846.	2.9	38
36	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

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37	FAM13A affects body fat distribution and adipocyte function. Nature Communications, 2020, 11, 1465.	12.8	36
38	CTRP2 Overexpression Improves Insulin and Lipid Tolerance in Diet-Induced Obese Mice. PLoS ONE, 2014, 9, e88535.	2.5	36
39	Systems genetics applications in metabolism research. Nature Metabolism, 2019, 1, 1038-1050.	11.9	35
40	Loss of CTRP5 improves insulin action and hepatic steatosis. American Journal of Physiology - Endocrinology and Metabolism, 2016, 310, E1036-E1052.	3.5	33
41	Sex differences in heart mitochondria regulate diastolic dysfunction. Nature Communications, 2022, 13, .	12.8	30
42	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
43	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
44	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
45	Aquaporin-4-dependent edema clearance following status epilepticus. Epilepsy Research, 2012, 98, 264-268.	1.6	27
46	Mice lacking sialyltransferase ST3Gal-II develop late-onset obesity and insulin resistance. Glycobiology, 2017, 27, 129-139.	2.5	26
47	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
48	Genetic regulation of liver lipids in a mouse model of insulin resistance and hepatic steatosis. Molecular Systems Biology, 2021, 17, e9684.	7.2	16
49	Cardiomyocytes disrupt pyrimidine biosynthesis in nonmyocytes to regulate heart repair. Journal of Clinical Investigation, 2022, 132, .	8.2	16
50	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
51	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
52	Genetic variation of putative myokine signaling is dominated by biological sex and sex hormones. ELife, 2022, 11, .	6.0	13
53	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
54	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

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55	Systems-based approaches for investigation of inter-tissue communication. Journal of Lipid Research, 2019, 60, 450-455.	4.2	9
56	Anterograde regulation of mitochondrial genes and FGF21 signaling by hepatic LSD1. JCI Insight, 2021, 6, .	5.0	7
57	CoffeeProt: an online tool for correlation and functional enrichment of systems genetics data. Nucleic Acids Research, 2021, 49, W104-W113.	14.5	6
58	NOTUM promotes thermogenic capacity and protects against diet-induced obesity in male mice. Scientific Reports, 2021, 11, 16409.	3.3	3