

Calvin Pan

List of Publications by Year in descending order

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Version: 2024-02-01

58
papers

4,738
citations

126907

33
h-index

118850

62
g-index

63
all docs

63
docs citations

63
times ranked

8934
citing authors

#	ARTICLE	IF	CITATIONS
1	Genetic Control of Obesity and Gut Microbiota Composition in Response to High-Fat, High-Sucrose Diet in Mice. <i>Cell Metabolism</i> , 2013, 17, 141-152.	16.2	464
2	A high-resolution association mapping panel for the dissection of complex traits in mice. <i>Genome Research</i> , 2010, 20, 281-290.	5.5	299
3	Genetic and environmental control of host-gut microbiota interactions. <i>Genome Research</i> , 2015, 25, 1558-1569.	5.5	288
4	Flavin containing monooxygenase 3 exerts broad effects on glucose and lipid metabolism and atherosclerosis. <i>Journal of Lipid Research</i> , 2015, 56, 22-37.	4.2	254
5	Influenza Virus Affects Intestinal Microbiota and Secondary Salmonella Infection in the Gut through Type I Interferons. <i>PLoS Pathogens</i> , 2016, 12, e1005572.	4.7	213
6	Genetic Architecture of Insulin Resistance in the Mouse. <i>Cell Metabolism</i> , 2015, 21, 334-347.	16.2	196
7	The TMAO-Producing Enzyme Flavin-Containing Monooxygenase 3 Regulates Obesity and the Beiging of White Adipose Tissue. <i>Cell Reports</i> , 2017, 19, 2451-2461.	6.4	194
8	Applications and Limitations of Mouse Models for Understanding Human Atherosclerosis. <i>Cell Metabolism</i> , 2017, 25, 248-261.	16.2	161
9	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.	4.2	143
10	Regulatory variants at KLF14 influence type 2 diabetes risk via a female-specific effect on adipocyte size and body composition. <i>Nature Genetics</i> , 2018, 50, 572-580.	21.4	143
11	Genetic Regulation of Adipose Gene Expression and Cardio-Metabolic Traits. <i>American Journal of Human Genetics</i> , 2017, 100, 428-443.	6.2	141
12	Hybrid mouse diversity panel: a panel of inbred mouse strains suitable for analysis of complex genetic traits. <i>Mammalian Genome</i> , 2012, 23, 680-692.	2.2	134
13	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.	6.2	124
14	Genetic Architecture of Atherosclerosis in Mice: A Systems Genetics Analysis of Common Inbred Strains. <i>PLoS Genetics</i> , 2015, 11, e1005711.	3.5	124
15	Genome-wide analysis highlights contribution of immune system pathways to the genetic architecture of asthma. <i>Nature Communications</i> , 2020, 11, 1776.	12.8	119
16	Natural variation of macrophage activation as disease-relevant phenotype predictive of inflammation and cancer survival. <i>Nature Communications</i> , 2017, 8, 16041.	12.8	113
17	Genome-wide analysis identifies novel susceptibility loci for myocardial infarction. <i>European Heart Journal</i> , 2021, 42, 919-933.	2.2	113
18	<i>RIPK1</i> Expression Associates With Inflammation in Early Atherosclerosis in Humans and Can Be Therapeutically Silenced to Reduce NF- κ B Activation and Atherogenesis in Mice. <i>Circulation</i> , 2021, 143, 163-177.	1.6	102

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19	An integrative systems genetic analysis of mammalian lipid metabolism. <i>Nature</i> , 2019, 567, 187-193.	27.8	101
20	The genetic architecture of NAFLD among inbred strains of mice. <i>ELife</i> , 2015, 4, e05607.	6.0	96
21	Obesity-linked suppression of membrane-bound O-acyltransferase 7 (MBOAT7) drives non-alcoholic fatty liver disease. <i>ELife</i> , 2019, 8, .	6.0	93
22	Gene-by-Sex Interactions in Mitochondrial Functions and Cardio-Metabolic Traits. <i>Cell Metabolism</i> , 2019, 29, 932-949.e4.	16.2	79
23	Impact of Individual Traits, Saturated Fat, and Protein Source on the Gut Microbiome. <i>MBio</i> , 2018, 9, .	4.1	70
24	Genome-wide ultraconserved elements exhibit higher phylogenetic informativeness than traditional gene markers in percomorph fishes. <i>Molecular Phylogenetics and Evolution</i> , 2015, 92, 140-146.	2.7	68
25	Tissue-specific pathways and networks underlying sexual dimorphism in non-alcoholic fatty liver disease. <i>Biology of Sex Differences</i> , 2018, 9, 46.	4.1	65
26	Genome-Wide Association Study Identifies Nox3 as a Critical Gene for Susceptibility to Noise-Induced Hearing Loss. <i>PLoS Genetics</i> , 2015, 11, e1005094.	3.5	64
27	A Strategy for Discovery of Endocrine Interactions with Application to Whole-Body Metabolism. <i>Cell Metabolism</i> , 2018, 27, 1138-1155.e6.	16.2	58
28	Metabolic reprogramming and epigenetic changes of vital organs in SARS-CoV-2-induced systemic toxicity. <i>JCI Insight</i> , 2021, 6, .	5.0	57
29	Genetic regulation of mouse liver metabolite levels. <i>Molecular Systems Biology</i> , 2014, 10, 730.	7.2	55
30	The Genetic Architecture of Diet-Induced Hepatic Fibrosis in Mice. <i>Hepatology</i> , 2018, 68, 2182-2196.	7.3	51
31	Genetic and hormonal control of hepatic steatosis in female and male mice. <i>Journal of Lipid Research</i> , 2017, 58, 178-187.	4.2	46
32	Sex-specific metabolic functions of adipose Lipocalin-2. <i>Molecular Metabolism</i> , 2019, 30, 30-47.	6.5	41
33	Colocalization of GWAS and eQTL signals at loci with multiple signals identifies additional candidate genes for body fat distribution. <i>Human Molecular Genetics</i> , 2019, 28, 4161-4172.	2.9	41
34	Epigenome-wide association in adipose tissue from the METSIM cohort. <i>Human Molecular Genetics</i> , 2018, 27, 1830-1846.	2.9	38
35	Hypothalamic transcriptomes of 99 mouse strains reveal trans eQTL hotspots, splicing QTLs and novel non-coding genes. <i>ELife</i> , 2016, 5, .	6.0	35
36	RIPK1 gene variants associate with obesity in humans and can be therapeutically silenced to reduce obesity in mice. <i>Nature Metabolism</i> , 2020, 2, 1113-1125.	11.9	34

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37	Sex-specific genetic regulation of adipose mitochondria and metabolic syndrome by Ndufv2. <i>Nature Metabolism</i> , 2021, 3, 1552-1568.	11.9	32
38	Sex differences in heart mitochondria regulate diastolic dysfunction. <i>Nature Communications</i> , 2022, 13, .	12.8	30
39	Genetic, dietary, and sex-specific regulation of hepatic ceramides and the relationship between hepatic ceramides and IR [S]. <i>Journal of Lipid Research</i> , 2018, 59, 1164-1174.	4.2	26
40	Transcriptome-wide association study of coronary artery disease identifies novel susceptibility genes. <i>Basic Research in Cardiology</i> , 2022, 117, 6.	5.9	22
41	Genomewide Association Study Identifies Cxcl Family Members as Partial Mediators of LPS-Induced Periodontitis. <i>Journal of Bone and Mineral Research</i> , 2018, 33, 1450-1463.	2.8	21
42	Integrative analysis of liver-specific non-coding regulatory SNPs associated with the risk of coronary artery disease. <i>American Journal of Human Genetics</i> , 2021, 108, 411-430.	6.2	20
43	Placental genomics mediates genetic associations with complex health traits and disease. <i>Nature Communications</i> , 2022, 13, 706.	12.8	20
44	The Genetic Architecture of Carbon Tetrachloride-Induced Liver Fibrosis in Mice. <i>Cellular and Molecular Gastroenterology and Hepatology</i> , 2021, 11, 199-220.	4.5	19
45	The Genetic Architecture of Hearing Impairment in Mice: Evidence for Frequency-Specific Genetic Determinants. <i>G3: Genes, Genomes, Genetics</i> , 2015, 5, 2329-2339.	1.8	16
46	Genetic regulation of liver lipids in a mouse model of insulin resistance and hepatic steatosis. <i>Molecular Systems Biology</i> , 2021, 17, e9684.	7.2	16
47	Machine Learning Reveals Time-Varying Microbial Predictors with Complex Effects on Glucose Regulation. <i>MSystems</i> , 2021, 6, .	3.8	13
48	The Systems Genetics Resource: A Web Application to Mine Global Data for Complex Disease Traits. <i>Frontiers in Genetics</i> , 2013, 4, 84.	2.3	12
49	Collaborative interactions of heterogenous ribonucleoproteins contribute to transcriptional regulation of sterol metabolism in mice. <i>Nature Communications</i> , 2020, 11, 984.	12.8	10
50	Mouse genome-wide association studies and systems genetics uncover the genetic architecture associated with hepatic pharmacokinetic and pharmacodynamic properties of a constrained ethyl antisense oligonucleotide targeting Malat1. <i>PLoS Genetics</i> , 2018, 14, e1007732.	3.5	7
51	Maternal High-Protein and Low-Protein Diets Perturb Hypothalamus and Liver Transcriptome and Metabolic Homeostasis in Adult Mouse Offspring. <i>Frontiers in Genetics</i> , 2018, 9, 642.	2.3	6
52	Dietary and Pharmacologic Manipulations of Host Lipids and Their Interaction With the Gut Microbiome in Non-human Primates. <i>Frontiers in Medicine</i> , 2021, 8, 646710.	2.6	6
53	Identification of DNA Damage Repair Enzyme <i>Ascc2</i> as Causal for Heart Failure With Preserved Ejection Fraction. <i>Circulation</i> , 2022, 145, 1102-1104.	1.6	6
54	A Suite of Tools for Biologists That Improve Accessibility and Visualization of Large Systems Genetics Datasets: Applications to the Hybrid Mouse Diversity Panel. <i>Methods in Molecular Biology</i> , 2017, 1488, 153-188.	0.9	5

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55	Identifying fenofibrate responsive CpG sites. BMC Proceedings, 2018, 12, 43.	1.6	4
56	Hybrid Mouse Diversity Panel Identifies Genetic Architecture Associated with the Acute Antisense Oligonucleotide-Mediated Inflammatory Response to a 2'-O-Methoxyethyl Antisense Oligonucleotide. Nucleic Acid Therapeutics, 2019, 29, 266-277.	3.6	4
57	GNAI3: Another Candidate Gene to Screen in Persons with Ocular Albinism. PLoS ONE, 2016, 11, e0162273.	2.5	3
58	Genetic complexity at expression quantitative trait loci. BMC Proceedings, 2016, 10, 85-89.	1.6	1