Calvin Pan

List of Publications by Year
in descending order

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58 papers	4,738 citations	126901 33 h-index	118840 62 g-index
63 all docs	63 docs citations	63 times ranked	8934 citing authors

#	Article	IF	Citations
1	Placental genomics mediates genetic associations with complex health traits and disease. Nature Communications, 2022, 13, 706.	12.8	20
2	Transcriptome-wide association study of coronary artery disease identifies novel susceptibility genes. Basic Research in Cardiology, 2022, 117, 6.	5.9	22
3	Identification of DNA Damage Repair Enzyme Ascc2 as Causal for Heart Failure With Preserved Ejection Fraction. Circulation, 2022, 145, 1102-1104.	1.6	6
4	Sex differences in heart mitochondria regulate diastolic dysfunction. Nature Communications, 2022, 13, .	12.8	30
5	The Genetic Architecture of Carbon Tetrachloride-Induced Liver Fibrosis in Mice. Cellular and Molecular Gastroenterology and Hepatology, 2021, 11, 199-220.	4.5	19
6	RIPK1 Expression Associates With Inflammation in Early Atherosclerosis in Humans and Can Be Therapeutically Silenced to Reduce NF-Î²B Activation and Atherogenesis in Mice. Circulation, 2021, 143, 163-177.	1.6	102
7	Metabolic reprogramming and epigenetic changes of vital organs in SARS-CoV-2â€“induced systemic toxicity. JCI Insight, 2021, 6, .	5.0	57
8	Genetic regulation of liver lipids in a mouse model of insulin resistance and hepatic steatosis. Molecular Systems Biology, 2021, 17, e9684.	7.2	16
9	Machine Learning Reveals Time-Varying Microbial Predictors with Complex Effects on Glucose Regulation. MSystems, 2021, 6, .	3.8	13
10	Genome-wide analysis identifies novel susceptibility loci for myocardial infarction. European Heart Journal, 2021, 42, 919-933.	2.2	113
11	Integrative analysis of liver-specific non-coding regulatory SNPs associated with the risk of coronary artery disease. American Journal of Human Genetics, 2021, 108, 411-430.	6.2	20
12	Dietary and Pharmacologic Manipulations of Host Lipids and Their Interaction With the Gut Microbiome in Non-human Primates. Frontiers in Medicine, 2021, 8, 646710.	2.6	6
13	Sex-specific genetic regulation of adipose mitochondria and metabolic syndrome by Ndufv2. Nature Metabolism, 2021, 3, 1552-1568.	11.9	32
14	RIPK1 gene variants associate with obesity in humans and can be therapeutically silenced to reduce obesity in mice. Nature Metabolism, 2020, 2, 1113-1125.	11.9	34
15	Collaborative interactions of heterogenous ribonucleoproteins contribute to transcriptional regulation of sterol metabolism in mice. Nature Communications, 2020, 11, 984.	12.8	10
16	Genome-wide analysis highlights contribution of immune system pathways to the genetic architecture of asthma. Nature Communications, 2020, 11, 1776.	12.8	119
17	Hybrid Mouse Diversity Panel Identifies Genetic Architecture Associated with the Acute Antisense Oligonucleotide-Mediated Inflammatory Response to a 2â€²-O-Methoxyethyl Antisense Oligonucleotide. Nucleic Acid Therapeutics, 2019, 29, 266-277.	3.6	4
18	Sex-specific metabolic functions of adipose Lipocalin-2. Molecular Metabolism, 2019, 30, 30-47.	6.5	41

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19	Colocalization of GWAS and eQTL signals at loci with multiple signals identifies additional candidate genes for body fat distribution. Human Molecular Genetics, 2019, 28, 4161-4172.	2.9	41
20	Gene-by-Sex Interactions in Mitochondrial Functions and Cardio-Metabolic Traits. Cell Metabolism, 2019, 29, 932-949.e4.	16.2	79
21	An integrative systems genetic analysis of mammalian lipid metabolism. Nature, 2019, 567, 187-193.	27.8	101
22	Obesity-linked suppression of membrane-bound O-acyltransferase 7 (MBOAT7) drives non-alcoholic fatty liver disease. ELife, 2019, 8, .	6.0	93
23	Regulatory variants at KLF14 influence type 2 diabetes risk via a female-specific effect on adipocyte size and body composition. Nature Genetics, 2018, 50, 572-580.	21.4	143
24	Genomewide Association Study Identifies Cxcl Family Members as Partial Mediators of LPS-Induced Periodontitis. Journal of Bone and Mineral Research, 2018, 33, 1450-1463.	2.8	21
25	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
26	A Strategy for Discovery of Endocrine Interactions with Application to Whole-Body Metabolism. Cell Metabolism, 2018, 27, 1138-1155.e6.	16.2	58
27	Epigenome-wide association in adipose tissue from the METSIM cohort. Human Molecular Genetics, 2018, 27, 1830-1846.	2.9	38
28	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. PLoS Genetics, 2018, 14, e1007732.	3.5	7
29	Identifying fenofibrate responsive CpG sites. BMC Proceedings, 2018, 12, 43.	1.6	4
30	Maternal High-Protein and Low-Protein Diets Perturb Hypothalamus and Liver Transcriptome and Metabolic Homeostasis in Adult Mouse Offspring. Frontiers in Genetics, 2018, 9, 642.	2.3	6
31	Impact of Individual Traits, Saturated Fat, and Protein Source on the Gut Microbiome. MBio, 2018, 9, .	4.1	70
32	Tissue-specific pathways and networks underlying sexual dimorphism in non-alcoholic fatty liver disease. Biology of Sex Differences, 2018, 9, 46.	4.1	65
33	Genetic, dietary, and sex-specific regulation of hepatic ceramides and the relationship between hepatic ceramides and IR [S]. Journal of Lipid Research, 2018, 59, 1164-1174.	4.2	26
34	The Genetic Architecture of Dietâ€Induced Hepatic Fibrosis in Mice. Hepatology, 2018, 68, 2182-2196.	7.3	51
35	Genetic Regulation of Adipose Gene Expression and Cardio-Metabolic Traits. American Journal of Human Genetics, 2017, 100, 428-443.	6.2	141
36	Applications and Limitations of Mouse Models for Understanding Human Atherosclerosis. Cell Metabolism, 2017, 25, 248-261.	16.2	161

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37	The TMAO-Producing Enzyme Flavin-Containing Monooxygenase 3 Regulates Obesity and the Beiging of White Adipose Tissue. Cell Reports, 2017, 19, 2451-2461.	6.4	194
38	A Suite of Tools for Biologists That Improve Accessibility and Visualization of Large Systems Genetics Datasets: Applications to the Hybrid Mouse Diversity Panel. Methods in Molecular Biology, 2017, 1488, 153-188.	0.9	5
39	Natural variation of macrophage activation as disease-relevant phenotype predictive of inflammation and cancer survival. Nature Communications, 2017, 8, 16041.	12.8	113
40	Genetic and hormonal control of hepatic steatosis in female and male mice. Journal of Lipid Research, 2017, 58, 178-187.	4.2	46
41	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
42	Genetic complexity at expression quantitative trait loci. BMC Proceedings, 2016, 10, 85-89.	1.6	1
43	GNAI3: Another Candidate Gene to Screen in Persons with Ocular Albinism. PLoS ONE, 2016, 11, e0162273.	2.5	3
44	Influenza Virus Affects Intestinal Microbiota and Secondary Salmonella Infection in the Gut through Type I Interferons. PLoS Pathogens, 2016, 12, e1005572.	4.7	213
45	Hypothalamic transcriptomes of 99 mouse strains reveal trans eQTL hotspots, splicing QTLs and novel non-coding genes. ELife, 2016, 5, .	6.0	35
46	The Genetic Architecture of Hearing Impairment in Mice: Evidence for Frequency-Specific Genetic Determinants. G3: Genes, Genomes, Genetics, 2015, 5, 2329-2339.	1.8	16
47	Genome-wide ultraconserved elements exhibit higher phylogenetic informativeness than traditional gene markers in percomorph fishes. Molecular Phylogenetics and Evolution, 2015, 92, 140-146.	2.7	68
48	Flavin containing monooxygenase 3 exerts broad effects on glucose and lipid metabolism and atherosclerosis. Journal of Lipid Research, 2015, 56, 22-37.	4.2	254
49	Genetic Architecture of Insulin Resistance in the Mouse. Cell Metabolism, 2015, 21, 334-347.	16.2	196
50	Genome-Wide Association Study Identifies Nox3 as a Critical Gene for Susceptibility to Noise-Induced Hearing Loss. PLoS Genetics, 2015, 11, e1005094.	3.5	64
51	Genetic and environmental control of host-gut microbiota interactions. Genome Research, 2015, 25, 1558-1569.	5.5	288
52	Genetic Architecture of Atherosclerosis in Mice: A Systems Genetics Analysis of Common Inbred Strains. PLoS Genetics, 2015, 11, e1005711.	3.5	124
53	The genetic architecture of NAFLD among inbred strains of mice. ELife, 2015, 4, e05607.	6.0	96
54	Genetic regulation of mouse liver metabolite levels. Molecular Systems Biology, 2014, 10, 730.	7.2	55

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55	Genetic Control of Obesity and Gut Microbiota Composition in Response to High-Fat, High-Sucrose Diet in Mice. Cell Metabolism, 2013, 17, 141-152.	16.2	464
56	The Systems Genetics Resource: A Web Application to Mine Global Data for Complex Disease Traits. Frontiers in Genetics, 2013, 4, 84.	2.3	12
57	Hybrid mouse diversity panel: a panel of inbred mouse strains suitable for analysis of complex genetic traits. Mammalian Genome, 2012, 23, 680-692.	2.2	134
58	A high-resolution association mapping panel for the dissection of complex traits in mice. Genome Research, 2010, 20, 281-290.	5.5	299