David Threadgill

List of Publications by Year
in descending order

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Version: 2024-02-01

223	16,239	22153	18130
papers	citations	59 h-index	120 g-index

243	243	243	18641
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Crossâ€talk between <scp>EGFR</scp> and <scp>BMP</scp> signals regulates chondrocyte maturation during endochondral ossification. Developmental Dynamics, 2022, 251, 193-212.	1.8	5
2	Systemic review of genetic and epigenetic factors underlying differential toxicity to environmental lead (Pb) exposure. Environmental Science and Pollution Research, 2022, 29, 35583-35598.	5.3	14
3	Impact of E-cig aerosol vaping on fetal and neonatal respiratory development and function. Translational Research, 2022, 246, 102-114.	5.0	7
4	Independent and Interactive Effects of Genetic Background and Sex on Tissue Metabolomes of Adipose, Skeletal Muscle, and Liver in Mice. Metabolites, 2022, 12, 337.	2.9	0
5	Genetic background influences survival of infections with Salmonella enterica serovar Typhimurium in the Collaborative Cross. PLoS Genetics, 2022, 18, e1010075.	3.5	9
6	Estrogen Protects Cardiac Function and Energy Metabolism in Dilated Cardiomyopathy Induced by Loss of Cardiac IRS1 and IRS2. Circulation: Heart Failure, 2022, 15, 101161CIRCHEARTFAILURE121008758.	3.9	7
7	Serum Cytokines Predict Neurological Damage in Genetically Diverse Mouse Models. Cells, 2022, 11, 2044.	4.1	2
8	Population structure and inbreeding in wild house mice (Mus musculus) at different geographic scales. Heredity, 2022, 129, 183-194.	2.6	12
9	Peanut butter as an alternative dose delivery method to prevent strain-dependent orogastric gavage-induced stress in mouse teratogenicity studies. Journal of Pharmacological and Toxicological Methods, 2021, 107, 106948.	0.7	1
10	A molecular subtype of colorectal cancers initiates independently of epidermal growth factor receptor and has an accelerated growth rate mediated by IL10-dependent anergy. Oncogene, 2021, 40, 3047-3059.	5.9	3
11	Genetics-Based Approach to Identify Novel Genes Regulated by the Aryl Hydrocarbon Receptor inÂMouse Liver. Toxicological Sciences, 2021, 181, 285-294.	3.1	3
12	Sex-specific genetic architecture in response to American and ketogenic diets. International Journal of Obesity, 2021, 45, 1284-1297.	3.4	10
13	Loss of enteric neuronal Ndrg4 promotes colorectal cancer via increased release of Nid1 and Fbln2. EMBO Reports, 2021, 22, e51913.	4.5	14
14	The First Immunocompetent Mouse Model of Strictly Human Pathogen, Borrelia recurrentis. Infection and Immunity, 2021, 89, e0004821.	2.2	2
15	Host genetic diversity drives variable central nervous system lesion distribution in chronic phase of Theilerâ€™s Murine Encephalomyelitis Virus (TMEV) infection. PLoS ONE, 2021, 16, e0256370.	2.5	8
16	Extensive sex-specific and regional variations observed in the microbiome of Dermacentor reticulatus. Ticks and Tick-borne Diseases, 2021, 12, 101767.	2.7	4
17	Host genetics and gut microbiota cooperatively contribute to azoxymethane-induced acute toxicity in Collaborative Cross mice. Archives of Toxicology, 2021, 95, 949-958.	4.2	6
18	Resilience in Long-Term Viral Infection: Genetic Determinants and Interactions. International Journal of Molecular Sciences, 2021, 22, 11379.	4.1	4

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19	Epithelial-specific ERBB3 deletion results in a genetic background-dependent increase in intestinal and colon polyps that is mediated by EGFR. PLoS Genetics, 2021, 17, e1009931.	3.5	3
20	Genetic and immunological contributors to virus-induced paralysis. Brain, Behavior, & Immunity - Health, 2021, 18, 100395.	2.5	6
21	Content and Performance of the MiniMUGA Genotyping Array: A New Tool To Improve Rigor and Reproducibility in Mouse Research. Genetics, 2020, 216, 905-930.	2.9	58
22	Derivation of stable embryonic stem cell-like, but transcriptionally heterogenous, induced pluripotent stem cells from non-permissive mouse strains. Mammalian Genome, 2020, 31, 263-286.	2.2	0
23	A New Polygenic Model for Nonfamilial Colorectal Cancer Inheritance Based on the Genetic Architecture of the Azoxymethane-Induced Mouse Model. Genetics, 2020, 214, 691-702.	2.9	5
24	Antecedent presentation of neurological phenotypes in the Collaborative Cross reveals four classes with complex sex-dependencies. Scientific Reports, 2020, 10, 7918.	3.3	12
25	Mathematical methods for visualization and anomaly detection in telemetry datasets. Interface Focus, 2020, 10, 20190086.	3.0	5
26	Transcriptional Correlates of Tolerance and Lethality in Mice Predict Ebola Virus Disease Patient Outcomes. Cell Reports, 2020, 30, 1702-1713.e6.	6.4	28
27	Indole Alleviates Dietâ€Induced Hepatic Steatosis and Inflammation in a Manner Involving Myeloid Cell 6â€Phosphofructoâ€2â€Kinase/Fructoseâ€2,6â€Biphosphatase 3. Hepatology, 2020, 72, 1191-1203.	7.3	67
28	Genetic and metabolic links between the murine microbiome and memory. Microbiome, 2020, 8, 53.	11.1	56
29	Using Collaborative Cross Mouse Population to Fill Data Gaps in Risk Assessment: A Case Study of Population-Based Analysis of Toxicokinetics and Kidney Toxicodynamics of Tetrachloroethylene. Environmental Health Perspectives, 2019, 127, 67011.	6.0	15
30	Borreliaand Other Zoonotic Pathogens inIxodes ricinusandDermacentor reticulatusTicks Collected from the Chernobyl Exclusion Zone on the 30th Anniversary of the Nuclear Disaster. Vector-Borne and Zoonotic Diseases, 2019, 19, 466-473.	1.5	8
31	Hippocampal transcriptome reveals novel targets of FASD pathogenesis. Brain and Behavior, 2019, 9, e01334.	2.2	12
32	Gestational binge alcohol-induced alterations in maternal uterine artery transcriptome. Reproductive Toxicology, 2019, 87, 42-49.	2.9	2
33	Phosphorylation of Forkhead Protein FoxO1 at S253 Regulates Glucose Homeostasis in Mice. Endocrinology, 2019, 160, 1333-1347.	2.8	26
34	Population-Based Analysis of DNA Damage and Epigenetic Effects of 1,3-Butadiene in the Mouse. Chemical Research in Toxicology, 2019, 32, 887-898.	3.3	14
35	New Zealand White Rabbits Effectively Clear Borrelia burgdorferi B31 despite the Bacteriumâ€™s FunctionalvlsEAntigenic Variation System. Infection and Immunity, 2019, 87, .	2.2	6
36	Diverse tumour susceptibility in Collaborative Cross mice: identification of a new mouse model for human gastric tumourigenesis. Gut, 2019, 68, 1942-1952.	12.1	24

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37	Long-Term Combinatorial Exposure to Trichloroethylene and Inorganic Arsenic in Genetically Heterogeneous Mice Results in Renal Tubular Damage and Cancer-Associated Molecular Changes. G3: Genes, Genomes, Genetics, 2019, 9, 1729-1737.	1.8	7
38	Locally Fixed Alleles: A method to localize gene drive to island populations. Scientific Reports, 2019, 9, 15821.	3.3	52
39	Modulation of Tetrachloroethylene-Associated Kidney Effects by Nonalcoholic Fatty Liver or Steatohepatitis in Male C57BL/6J Mice. Toxicological Sciences, 2019, 167, 126-137.	3.1	5
40	Chronic exposure to e-cig aerosols during early development causes vascular dysfunction and offspring growth deficits. Translational Research, 2019, 207, 70-82.	5.0	52
41	A Whole Genome Assembly of the Horn Fly, Haematobia irritans, and Prediction of Genes with Roles in Metabolism and Sex Determination. G3: Genes, Genomes, Genetics, 2018, 8, 1675-1686.	1.8	12
42	Tissue Level Diet and Sex-by-Diet Interactions Reveal Unique Metabolite and Clustering Profiles Using Untargeted Liquid Chromatographyâ€“Mass Spectrometry on Adipose, Skeletal Muscle, and Liver Tissue in C57BL6/J Mice. Journal of Proteome Research, 2018, 17, 1077-1090.	3.7	17
43	Population-based doseâ€“response analysis of liver transcriptional response to trichloroethylene in mouse. Mammalian Genome, 2018, 29, 168-181.	2.2	13
44	Developing gene drive technologies to eradicate invasive rodents from islands. Journal of Responsible Innovation, 2018, 5, S121-S138.	4.9	59
45	Bayesian Diallel Analysis Reveals Mx1-Dependent and Mx1-Independent Effects on Response to Influenza A Virus in Mice. G3: Genes, Genomes, Genetics, 2018, 8, 427-445.	1.8	27
46	Improving Metabolic Health Through Precision Dietetics in Mice. Genetics, 2018, 208, 399-417.	2.9	44
47	Transcriptional landscape of mouse-aged ovaries reveals a unique set of non-coding RNAs associated with physiological and environmental ovarian dysfunctions. Cell Death Discovery, 2018, 4, 112.	4.7	24
48	Permissiveness to form pluripotent stem cells may be an evolutionarily derived characteristic in Mus musculus. Scientific Reports, 2018, 8, 14706.	3.3	11
49	Characterizing Serpinb2 as a Modulator of TCDD-Induced Suppression of the B Cell. Chemical Research in Toxicology, 2018, 31, 1248-1259.	3.3	5
50	gQTL: A Web Application for QTL Analysis Using the Collaborative Cross Mouse Genetic Reference Population. G3: Genes, Genomes, Genetics, 2018, 8, 2559-2562.	1.8	15
51	Impact of Nonalcoholic Fatty Liver Disease on Toxicokinetics of Tetrachloroethylene in Mice. Journal of Pharmacology and Experimental Therapeutics, 2017, 361, 17-28.	2.5	19
52	Prevention of tumorigenesis in mice by exercise is dependent on strain background and timing relative to carcinogen exposure. Scientific Reports, 2017, 7, 43086.	3.3	10
53	Nonalcoholic Fatty Liver Disease Is a Susceptibility Factor for Perchloroethylene-Induced Liver Effects in Mice. Toxicological Sciences, 2017, 159, 102-113.	3.1	12
54	Interdependency of EGF and GLP-2 Signaling in Attenuating Mucosal Atrophy in a Mouse Model of Parenteral Nutrition. Cellular and Molecular Gastroenterology and Hepatology, 2017, 3, 447-468.	4.5	29

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55	Editorâ€™s Highlight: Collaborative Cross Mouse Population Enables Refinements to Characterization of the Variability in Toxicokinetics of Trichloroethylene and Provides Genetic Evidence for the Role of PPAR Pathway in Its Oxidative Metabolism. Toxicological Sciences, 2017, 158, 48-62.	3.1	32
56	Prophylactic vaccination targeting ERBB3 decreases polyp burden in a mouse model of human colorectal cancer. OncoImmunology, 2017, 6, e1255395.	4.6	7
57	Host genetic background influences diverse neurological responses to viral infection in mice. Scientific Reports, 2017, 7, 12194.	3.3	26
58	Disruption of postnatal folliculogenesis and development of ovarian tumor in a mouse model with aberrant transforming growth factor beta signaling. Reproductive Biology and Endocrinology, 2017, 15, 94.	3.3	7
59	Characterization of Variability in Toxicokinetics and Toxicodynamics of Tetrachloroethylene Using the Collaborative Cross Mouse Population. Environmental Health Perspectives, 2017, 125, 057006.	6.0	34
60	Abstract A15: Progression of colorectal cancer through epidermal growth factor receptor (EGFR)-independent mechanisms. , 2017, , .		0
61	Abstract 3400: Progression of epidermal growth factor receptor (EGFR)-independent colorectal cancer. , 2017, , .		0
62	Abstract 1542: Identifying genetic modifiers ofPTENusing the Collaborative Cross mouse panel. , 2017, , .		0
63	Hepatocyte ERBB3 and EGFR are required for maximal CCl₄-induced liver fibrosis. American Journal of Physiology - Renal Physiology, 2016, 311, G807-G816.	3.4	25
64	The PGE2 EP3 Receptor Regulates Diet-Induced Adiposity in Male Mice. Endocrinology, 2016, 157, 220-232.	2.8	59
65	R2d2Drives Selfish Sweeps in the House Mouse. Molecular Biology and Evolution, 2016, 33, 1381-1395.	8.9	55
66	Abstract LB-039: Genetic dissection of mechanisms underlying epidermal growth factor receptor-independent colorectal cancer development. , 2016, , .		0
67	Loss of hepatocyte ERBB3 but not EGFR impairs hepatocarcinogenesis. American Journal of Physiology - Renal Physiology, 2015, 309, G942-G954.	3.4	8
68	Genome Wide Identification of SARS-CoV Susceptibility Loci Using the Collaborative Cross. PLoS Genetics, 2015, 11, e1005504.	3.5	137
69	A Multi-Megabase Copy Number Gain Causes Maternal Transmission Ratio Distortion on Mouse Chromosome 2. PLoS Genetics, 2015, 11, e1004850.	3.5	76
70	Sensitivity to hepatotoxicity due to epigallocatechin gallate is affected by genetic background in diversity outbred mice. Food and Chemical Toxicology, 2015, 76, 19-26.	3.6	80
71	Analyses of allele-specific gene expression in highly divergent mouse crosses identifies pervasive allelic imbalance. Nature Genetics, 2015, 47, 353-360.	21.4	204
72	ERBB3-Independent Activation of the PI3K Pathway in EGFR-Mutant Lung Adenocarcinomas. Cancer Research, 2015, 75, 1035-1045.	0.9	26

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73	Loss of hepatocyte EGFR has no effect alone but exacerbates carbon tetrachloride-induced liver injury and impairs regeneration in hepatocyte Met-deficient mice. American Journal of Physiology - Renal Physiology, 2015, 308, G364-G377.	3.4	26
74	The next generation of rodent eradications: Innovative technologies and tools to improve species specificity and increase their feasibility on islands. Biological Conservation, 2015, 185, 47-58.	4.1	111
75	Phosphatidylinositol 3-kinase signaling determines kidney size. Journal of Clinical Investigation, 2015, 125, 2429-2444.	8.2	55
76	SNP array profiling of mouse cell lines identifies their strains of origin and reveals cross-contamination and widespread aneuploidy. BMC Genomics, 2014, 15, 847.	2.8	41
77	Using the emerging Collaborative Cross to probe the immune system. Genes and Immunity, 2014, 15, 38-46.	4.1	71
78	The Epidermal Growth Factor Receptor Critically Regulates Endometrial Function during Early Pregnancy. PLoS Genetics, 2014, 10, e1004451.	3.5	83
79	Wildtype epidermal growth factor receptor (Egfr) is not required for daily locomotor or masking behavior in mice. Journal of Circadian Rhythms, 2014, 4, 15.	1.3	2
80	A Gnotobiotic Mouse Model Demonstrates That Dietary Fiber Protects against Colorectal Tumorigenesis in a Microbiota- and Butyrate-Dependent Manner. Cancer Discovery, 2014, 4, 1387-1397.	9.4	344
81	Epidermal growth factor receptor plays a role in the regulation of liver and plasma lipid levels in adult male mice. American Journal of Physiology - Renal Physiology, 2014, 306, G370-G381.	3.4	31
82	Abstract SY04-02: Dietary fiber protects against colorectal tumorigenesis in a microbiota- and butyrate-dependent manner. , 2014, , .		0
83	Pleiotropic Effects of the Trichloroethylene-Associated P81S VHL Mutation on Metabolism, Apoptosis, and ATM-Mediated DNA Damage Response. Journal of the National Cancer Institute, 2013, 105, 1355-1364.	6.3	19
84	Identification of a Novel Polymorphism in X-Linked Sterol-4-Alpha-Carboxylate 3-Dehydrogenase (Nsdhl) Associated with Reduced High-Density Lipoprotein Cholesterol Levels in I/LnJ Mice. G3: Genes, Genomes, Genetics, 2013, 3, 1819-1825.	1.8	5
85	Modeling Host Genetic Regulation of Influenza Pathogenesis in the Collaborative Cross. PLoS Pathogens, 2013, 9, e1003196.	4.7	183
86	Conditional Inactivation of TNFÎ±-Converting Enzyme in Chondrocytes Results in an Elongated Growth Plate and Shorter Long Bones. PLoS ONE, 2013, 8, e54853.	2.5	22
87	Tumor fibroblastâ€“derived epiregulin promotes growth of colitis-associated neoplasms through ERK. Journal of Clinical Investigation, 2013, 123, 1428-1443.	8.2	95
88	Abstract C113: ERBB3 independent activation of the PI3K pathway in EGFR mutant lung adenocarcinomas.. , 2013, , .		0
89	Mapping Six New Susceptibility to Colon Cancer (Scc) Loci Using a Mouse Interspecific Backcross. G3: Genes, Genomes, Genetics, 2012, 2, 1577-1584.	1.8	5
90	Expression Quantitative Trait Loci for Extreme Host Response to Influenza A in Pre-Collaborative Cross Mice. G3: Genes, Genomes, Genetics, 2012, 2, 213-221.	1.8	78

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91	Ten Years of the Collaborative Cross. G3: Genes, Genomes, Genetics, 2012, 2, 153-156.	1.8	78
92	Ten Years of the Collaborative Cross. Genetics, 2012, 190, 291-294.	2.9	128
93	Genetic Analysis of Hematological Parameters in Incipient Lines of the Collaborative Cross. G3: Genes, Genomes, Genetics, 2012, 2, 157-165.	1.8	80
94	Dietary calcium supplementation enhances efficacy but also toxicity of EGFR inhibitor therapy for colon cancer. Cancer Biology and Therapy, 2012, 13, 130-137.	3.4	8
95	EGFR Signaling Promotes TGFÎ²-Dependent Renal Fibrosis. Journal of the American Society of Nephrology: JASN, 2012, 23, 215-224.	6.1	228
96	Both stromal cell and colonocyte epidermal growth factor receptors control HCT116 colon cancer cell growth in tumor xenografts. Carcinogenesis, 2012, 33, 1930-1939.	2.8	11
97	The Genome Architecture of the Collaborative Cross Mouse Genetic Reference Population. Genetics, 2012, 190, 389-401.	2.9	435
98	Status and access to the Collaborative Cross population. Mammalian Genome, 2012, 23, 706-712.	2.2	134
99	EGF Receptor Is Required for KRAS-Induced Pancreatic Tumorigenesis. Cancer Cell, 2012, 22, 304-317.	16.8	445
100	Epidermal ADAM17 maintains the skin barrier by regulating EGFR ligandâ€“dependent terminal keratinocyte differentiation. Journal of Experimental Medicine, 2012, 209, 1105-1119.	8.5	161
101	Genome-wide association mapping of loci for antipsychotic-induced extrapyramidal symptoms in mice. Mammalian Genome, 2012, 23, 322-335.	2.2	31
102	Epidermal ADAM17 maintains the skin barrier by regulating EGFR ligandâ€“dependent terminal keratinocyte differentiation. Journal of Cell Biology, 2012, 197, i7-i7.	5.2	1
103	Abstract B35: Activation of Putative Compensatory Pathways upon Deletion of Erbb3 in Mutant EGFR-driven Lung Cancer. Clinical Cancer Research, 2012, 18, B35-B35.	7.0	1
104	Efficacy of EGFR Inhibition Is Modulated by Model, Sex, Genetic Background and Diet: Implications for Preclinical Cancer Prevention and Therapy Trials. PLoS ONE, 2012, 7, e39552.	2.5	6
105	Epidermal growth factor receptor promotes glomerular injury and renal failure in rapidly progressive crescentic glomerulonephritis. Nature Medicine, 2011, 17, 1242-1250.	30.7	204
106	Stromal Cell and Colonocyte EGFR Are Required for Efficient Tumor Xenograft Growth of Colon Cancer Cells. Gastroenterology, 2011, 140, S-825.	1.3	0
107	Epiregulin-dependent amphiregulin expression and ERBB2 signaling are involved in luteinizing hormone-induced paracrine signaling pathways in mouse ovary. Biochemical and Biophysical Research Communications, 2011, 405, 319-324.	2.1	23
108	MicroRNA expression in the livers of inbred mice. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 2011, 714, 126-133.	1.0	15

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109	Epidermal growth factor receptor plays an anabolic role in bone metabolism in vivo. Journal of Bone and Mineral Research, 2011, 26, 1022-1034.	2.8	79
110	Interstrain Differences in the Liver Effects of Trichloroethylene in a Multistrain Panel of Inbred Mice. Toxicological Sciences, 2011, 120, 206-217.	3.1	49
111	Genetic analysis of complex traits in the emerging Collaborative Cross. Genome Research, 2011, 21, 1213-1222.	5.5	327
112	The Collaborative Cross: A Recombinant Inbred Mouse Population for the Systems Genetic Era. ILAR Journal, 2011, 52, 24-31.	1.8	183
113	Architecture of energy balance traits in emerging lines of the Collaborative Cross. American Journal of Physiology - Endocrinology and Metabolism, 2011, 300, E1124-E1134.	3.5	58
114	Dietary fat alters pulmonary metastasis of mammary cancers through cancer autonomous and non-autonomous changes in gene expression. Clinical and Experimental Metastasis, 2010, 27, 107-116.	3.3	13
115	Dietary fat-dependent transcriptional architecture and copy number alterations associated with modifiers of mammary cancer metastasis. Clinical and Experimental Metastasis, 2010, 27, 279-293.	3.3	9
116	Genetic mapping and developmental timing of transmission ratio distortion in a mouse interspecific backcross. BMC Genetics, 2010, 11, 98.	2.7	18
117	Targeted Inactivation of EGF Receptor Inhibits Renal Collecting Duct Development and Function. Journal of the American Society of Nephrology: JASN, 2010, 21, 573-578.	6.1	33
118	Mechanism for Prevention of Alcohol-Induced Liver Injury by Dietary Methyl Donors. Toxicological Sciences, 2010, 115, 131-139.	3.1	29
119	Maternal Dioxin Exposure Combined with a Diet High in Fat Increases Mammary Cancer Incidence in Mice. Environmental Health Perspectives, 2010, 118, 596-601.	6.0	40
120	EGFR Regulates the Expression of Keratinocyte-Derived Granulocyte/Macrophage Colony-Stimulating Factor In Vitro and In Vivo. Journal of Investigative Dermatology, 2010, 130, 682-693.	0.7	69
121	Toxicogenetics: population-based testing of drug and chemical safety in mouse models. Pharmacogenomics, 2010, 11, 1127-1136.	1.3	44
122	Abstract 2126: Quantitative trait locus analysis of tumor morphology in a mouse model of human colorectal cancer. , 2010, , .		0
123	Placental and Embryonic Growth Restriction in Mice With Reduced Function Epidermal Growth Factor Receptor Alleles. Genetics, 2009, 183, 207-218.	2.9	44
124	Dietary Fat Alters Body Composition, Mammary Development, and Cytochrome P450 Induction after Maternal TCDD Exposure in DBA/2J Mice with Low-Responsive Aryl Hydrocarbon Receptors. Environmental Health Perspectives, 2009, 117, 1414-1419.	6.0	23
125	Mouse breast cancer model-dependent changes in metabolic syndrome-associated phenotypes caused by maternal dioxin exposure and dietary fat. American Journal of Physiology - Endocrinology and Metabolism, 2009, 296, E203-E210.	3.5	18
126	Parent-of-origin effects on cardiac response to pressure overload in mice. American Journal of Physiology - Heart and Circulatory Physiology, 2009, 297, H1003-H1009.	3.2	22

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127	Reduced EGFR causes abnormal valvular differentiation leading to calcific aortic stenosis and left ventricular hypertrophy in C57BL/6J but not 129S1/SvImJ mice. American Journal of Physiology - Heart and Circulatory Physiology, 2009, 297, H65-H75.	3.2	52
128	Epidermal Growth Factor Receptor Is Required for Colonic Tumor Promotion by Dietary Fat in the Azoxymethane/Dextran Sulfate Sodium Model: Roles of Transforming Growth Factor- and PTGS2. Clinical Cancer Research, 2009, 15, 6780-6789.	7.0	35
129	ERBBs in the gastrointestinal tract: Recent progress and new perspectives. Experimental Cell Research, 2009, 315, 583-601.	2.6	46
130	PKCÎ± tumor suppression in the intestine is associated with transcriptional and translational inhibition of cyclin D1. Experimental Cell Research, 2009, 315, 1415-1428.	2.6	38
131	Generation and validation of mice carrying a conditional allele of the epidermal growth factor receptor. Genesis, 2009, 47, 85-92.	1.6	88
132	Deficient NRG1-ERBB signaling alters social approach: relevance to genetic mouse models of schizophrenia. Journal of Neurodevelopmental Disorders, 2009, 1, 302-312.	3.1	32
133	Murine models of colorectal cancer. Mammalian Genome, 2009, 20, 261-268.	2.2	24
134	Placental overgrowth and fertility defects in mice with a hypermorphic allele of epidermal growth factor receptor. Mammalian Genome, 2009, 20, 339-349.	2.2	24
135	Replication and narrowing of gene expression quantitative trait loci using inbred mice. Mammalian Genome, 2009, 20, 437-446.	2.2	16
136	The gastrointestinal microbiome: a malleable, third genome of mammals. Mammalian Genome, 2009, 20, 395-403.	2.2	56
137	The EGFR Is Required for Proper Innervation to the Skin. Journal of Investigative Dermatology, 2009, 129, 690-698.	0.7	31
138	Population-Based Discovery of Toxicogenomics Biomarkers for Hepatotoxicity Using a Laboratory Strain Diversity Panel. Toxicological Sciences, 2009, 110, 235-243.	3.1	88
139	Animal models of autism spectrum disorders: Information for neurotoxicologists. NeuroToxicology, 2009, 30, 811-821.	3.0	40
140	Elucidation of the transcription network governing mammalian sex determination by exploiting strain-specific susceptibility to sex reversal. Genes and Development, 2009, 23, 2521-2536.	5.9	65
141	Mouse population-guided resequencing reveals that variants in CD44 contribute to acetaminophen-induced liver injury in humans. Genome Research, 2009, 19, 1507-1515.	5.5	165
142	Tumor-specific apoptosis caused by deletion of the ERBB3 pseudo-kinase in mouse intestinal epithelium. Journal of Clinical Investigation, 2009, 119, 2702-2713.	8.2	80
143	Inferring genome-wide mosaic structure. Pacific Symposium on Biocomputing Pacific Symposium on Biocomputing, 2009, , 150-61.	0.7	5
144	TreeQA: quantitative genome wide association mapping using local perfect phylogeny trees. Pacific Symposium on Biocomputing Pacific Symposium on Biocomputing, 2009, , 415-26.	0.7	10

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145	GenotypeÂÃ—Âdiet interactions in mice predisposed to mammary cancer: II. Tumors and metastasis. Mammalian Genome, 2008, 19, 179-189.	2.2	23
146	The Collaborative Cross at Oak Ridge National Laboratory: developing a powerful resource for systems genetics. Mammalian Genome, 2008, 19, 382-389.	2.2	245
147	Paradox of a tumour repressor. Nature, 2008, 451, 21-22.	27.8	14
148	Chronic pharmacologic inhibition of EGFR leads to cardiac dysfunction in C57BL/6J mice. Toxicology and Applied Pharmacology, 2008, 228, 315-325.	2.8	34
149	Quantitative Association Analysis Using Tree Hierarchies. , 2008, , .		2
150	The Untapped Potential of Genetically Engineered Mouse Models in Chemoprevention Research: Opportunities and Challenges. Cancer Prevention Research, 2008, 1, 161-166.	1.5	25
151	INFERRING GENOME-WIDE MOSAIC STRUCTURE. , 2008, , .		1
152	TREEQA: QUANTITATIVE GENOME WIDE ASSOCIATION MAPPING USING LOCAL PERFECT PHYLOGENY TREES. , 2008, , .		9
153	Genotype Sequence Segmentation: Handling Constraints and Noise. Lecture Notes in Computer Science, 2008, , 271-283.	1.3	3
154	Cardiac response to pressure overload in 129S1/SvImJ and C57BL/6J mice: temporal- and background-dependent development of concentric left ventricular hypertrophy. American Journal of Physiology - Heart and Circulatory Physiology, 2007, 292, H2119-H2130.	3.2	117
155	Bayesian Multiple Quantitative Trait Loci Mapping for Complex Traits Using Markers of the Entire Genome. Genetics, 2007, 176, 2529-2540.	2.9	13
156	Inferring missing genotypes in large SNP panels using fast nearest-neighbor searches over sliding windows. Bioinformatics, 2007, 23, i401-i407.	4.1	77
157	Flat Colorectal Cancers Are Genetically Determined and Progress to Invasion without Going through a Polypoid Stage. Cancer Research, 2007, 67, 11594-11600.	0.9	27
158	Luteinizing Hormone-Dependent Activation of the Epidermal Growth Factor Network Is Essential for Ovulation. Molecular and Cellular Biology, 2007, 27, 1914-1924.	2.3	305
159	Mouse behavioral tasks relevant to autism: Phenotypes of 10 inbred strains. Behavioural Brain Research, 2007, 176, 4-20.	2.2	714
160	Transcriptional recapitulation and subversion of embryonic colon development by mouse colon tumor models and human colon cancer. Genome Biology, 2007, 8, R131.	8.8	299
161	Sample Selection for Maximal Diversity. , 2007, , .		4
162	Modeling cancer patient populations in mice: Complex genetic and environmental factors. Drug Discovery Today: Disease Models, 2007, 4, 83-88.	1.2	18

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163	Genome-level analysis of genetic regulation of liver gene expression networks. Hepatology, 2007, 46, 548-557.	7.3	49
164	Bayesian Hierarchical Modeling for Time Course Microarray Experiments. Biometrics, 2007, 63, 496-504.	1.4	5
165	Altered Trophoblast Proliferation is Insufficient to Account for Placental Dysfunction in Egfr Null Embryos. Placenta, 2007, 28, 1211-1218.	1.5	21
166	The polymorphism architecture of mouse genetic resources elucidated using genome-wide resequencing data: implications for QTL discovery and systems genetics. Mammalian Genome, 2007, 18, 473-481.	2.2	237
167	Enhanced oligonucleotide microarray labeling and hybridization. BioTechniques, 2006, 41, 685-686.	1.8	8
168	Human epithelial-specific response to pathogenicCampylobacter jejuni. FEMS Microbiology Letters, 2006, 262, 236-243.	1.8	11
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