David Threadgill

List of Publications by Year
in descending order

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222 papers	16,239 citations	22099 59 h-index	18075 120 g-index
243 all docs	243 docs citations	243 times ranked	18641 citing authors

#	Article	IF	Citations
1	Targeted disruption of mouse EGF receptor: effect of genetic background on mutant phenotype. Science, 1995, 269, 230-234.	6.0	1,349
2	The Collaborative Cross, a community resource for the genetic analysis of complex traits. Nature Genetics, 2004, 36, 1133-1137.	9.4	1,034
3	Mouse behavioral tasks relevant to autism: Phenotypes of 10 inbred strains. Behavioural Brain Research, 2007, 176, 4-20.	1.2	714
4	Complex trait analysis of gene expression uncovers polygenic and pleiotropic networks that modulate nervous system function. Nature Genetics, 2005, 37, 233-242.	9.4	695
5	EGF Receptor Is Required for KRAS-Induced Pancreatic Tumorigenesis. Cancer Cell, 2012, 22, 304-317.	7.7	445
6	The Genome Architecture of the Collaborative Cross Mouse Genetic Reference Population. Genetics, 2012, 190, 389-401.	1.2	435
7	The nature and identification of quantitative trait loci: a community's view. Nature Reviews Genetics, 2003, 4, 911-916.	7.7	390
8	Role of the Angiotensin Type 2 Receptor Gene in Congenital Anomalies of the Kidney and Urinary Tract, CAKUT, of Mice and Men. Molecular Cell, 1999, 3, 1-10.	4.5	357
9	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.	7.7	344
10	Genetic analysis of complex traits in the emerging Collaborative Cross. Genome Research, 2011, 21, 1213-1222.	2.4	327
11	Luteinizing Hormone-Dependent Activation of the Epidermal Growth Factor Network Is Essential for Ovulation. Molecular and Cellular Biology, 2007, 27, 1914-1924.	1.1	305
12	Transcriptional recapitulation and subversion of embryonic colon development by mouse colon tumor models and human colon cancer. Genome Biology, 2007, 8, R131.	3.8	299
13	Importance of epidermal growth factor receptor signaling in establishment of adenomas and maintenance of carcinomas during intestinal tumorigenesis. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 1521-1526.	3.3	248
14	The Collaborative Cross at Oak Ridge National Laboratory: developing a powerful resource for systems genetics. Mammalian Genome, 2008, 19, 382-389.	1.0	245
15	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.	1.0	237
16	Genomic analysis of the major bovine milk protein genes. Nucleic Acids Research, 1990, 18, 6935-6942.	6.5	232
17	EGFR Signaling Promotes TGFÎ²-Dependent Renal Fibrosis. Journal of the American Society of Nephrology: JASN, 2012, 23, 215-224.	3.0	228
18	Epidermal growth factor receptor promotes glomerular injury and renal failure in rapidly progressive crescentic glomerulonephritis. Nature Medicine, 2011, 17, 1242-1250.	15.2	204

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19	Analyses of allele-specific gene expression in highly divergent mouse crosses identifies pervasive allelic imbalance. Nature Genetics, 2015, 47, 353-360.	9.4	204
20	Genealogy of the 129 inbred strains: 129/SvJ is a contaminated inbred strain. Mammalian Genome, 1997, 8, 390-393.	1.0	201
21	Genetic dissection of complex and quantitative traits: from fantasy to reality via a community effort. Mammalian Genome, 2002, 13, 175-178.	1.0	191
22	The Collaborative Cross: A Recombinant Inbred Mouse Population for the Systems Genetic Era. ILAR Journal, 2011, 52, 24-31.	1.8	183
23	Modeling Host Genetic Regulation of Influenza Pathogenesis in the Collaborative Cross. PLoS Pathogens, 2013, 9, e1003196.	2.1	183
24	Activation of the Epidermal Growth Factor Receptor Signal Transduction Pathway Stimulates Tyrosine Phosphorylation of Protein Kinase C Î´. Journal of Biological Chemistry, 1996, 271, 5325-5331.	1.6	180
25	Mouse population-guided resequencing reveals that variants in CD44 contribute to acetaminophen-induced liver injury in humans. Genome Research, 2009, 19, 1507-1515.	2.4	165
26	Epidermal ADAM17 maintains the skin barrier by regulating EGFR ligandâ€“dependent terminal keratinocyte differentiation. Journal of Experimental Medicine, 2012, 209, 1105-1119.	4.2	161
27	Genetically null mice reveal a central role for epidermal growth factor receptor in the differentiation of the hair follicle and normal hair development. American Journal of Pathology, 1997, 150, 1959-75.	1.9	155
28	Characterization of a common deletion polymorphism of the UGT2B17 gene linked to UGT2B15. Genomics, 2004, 84, 707-714.	1.3	144
29	Genome Wide Identification of SARS-CoV Susceptibility Loci Using the Collaborative Cross. PLoS Genetics, 2015, 11, e1005504.	1.5	137
30	High Expression of ErbB Family Members and Their Ligands in Lung Adenocarcinomas That Are Sensitive to Inhibition of Epidermal Growth Factor Receptor. Cancer Research, 2005, 65, 11478-11485.	0.4	135
31	Status and access to the Collaborative Cross population. Mammalian Genome, 2012, 23, 706-712.	1.0	134
32	Requirement of Epidermal Growth Factor Receptor for Hyperplasia Induced by E5, a High-Risk Human Papillomavirus Oncogene. Cancer Research, 2005, 65, 6534-6542.	0.4	128
33	Ten Years of the Collaborative Cross. Genetics, 2012, 190, 291-294.	1.2	128
34	Genetics of dark skin in mice. Genes and Development, 2003, 17, 214-228.	2.7	124
35	Quantitative PCR assays for mouse enteric flora reveal strain-dependent differences in composition that are influenced by the microenvironment. Mammalian Genome, 2006, 17, 1093-1104.	1.0	124
36	Profiling proteins from azoxymethane-induced colon tumors at the molecular level by matrix-assisted laser desorption/ionization mass spectrometry. Proteomics, 2001, 1, 1320-1326.	1.3	122

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37	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.	1.5	117
38	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.	1.9	111
39	Comparative Genomic Sequence Analysis and Isolation of Human and Mouse Alternative EGFR Transcripts Encoding Truncated Receptor Isoforms. Genomics, 2001, 71, 1-20.	1.3	99
40	Azoxymethane Is a Genetic Background-Dependent Colorectal Tumor Initiator and Promoter in Mice: Effects of Dose, Route, and Diet. Toxicological Sciences, 2005, 88, 340-345.	1.4	99
41	Tumor fibroblastâ€“derived epiregulin promotes growth of colitis-associated neoplasms through ERK. Journal of Clinical Investigation, 2013, 123, 1428-1443.	3.9	95
42	Epiregulin Is Not Essential for Development of Intestinal Tumors but Is Required for Protection from Intestinal Damage. Molecular and Cellular Biology, 2004, 24, 8907-8916.	1.1	92
43	Generation and validation of mice carrying a conditional allele of the epidermal growth factor receptor. Genesis, 2009, 47, 85-92.	0.8	88
44	Population-Based Discovery of Toxicogenomics Biomarkers for Hepatotoxicity Using a Laboratory Strain Diversity Panel. Toxicological Sciences, 2009, 110, 235-243.	1.4	88
45	Large-Scale Gene Expression Differences Across Brain Regions and Inbred Strains Correlate With a Behavioral Phenotype. Genetics, 2006, 174, 1229-1236.	1.2	86
46	The Epidermal Growth Factor Receptor Critically Regulates Endometrial Function during Early Pregnancy. PLoS Genetics, 2014, 10, e1004451.	1.5	83
47	Genetic Analysis of Hematological Parameters in Incipient Lines of the Collaborative Cross. G3: Genes, Genomes, Genetics, 2012, 2, 157-165.	0.8	80
48	Sensitivity to hepatotoxicity due to epigallocatechin gallate is affected by genetic background in diversity outbred mice. Food and Chemical Toxicology, 2015, 76, 19-26.	1.8	80
49	Tumor-specific apoptosis caused by deletion of the ERBB3 pseudo-kinase in mouse intestinal epithelium. Journal of Clinical Investigation, 2009, 119, 2702-2713.	3.9	80
50	Epidermal growth factor receptor plays an anabolic role in bone metabolism in vivo. Journal of Bone and Mineral Research, 2011, 26, 1022-1034.	3.1	79
51	Expression Quantitative Trait Loci for Extreme Host Response to Influenza A in Pre-Collaborative Cross Mice. G3: Genes, Genomes, Genetics, 2012, 2, 213-221.	0.8	78
52	Ten Years of the Collaborative Cross. G3: Genes, Genomes, Genetics, 2012, 2, 153-156.	0.8	78
53	Inferring missing genotypes in large SNP panels using fast nearest-neighbor searches over sliding windows. Bioinformatics, 2007, 23, i401-i407.	1.8	77
54	A Multi-Megabase Copy Number Gain Causes Maternal Transmission Ratio Distortion on Mouse Chromosome 2. PLoS Genetics, 2015, 11, e1004850.	1.5	76

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55	Quantitative Trait Locus Analysis Using Recombinant Inbred Intercrosses. Genetics, 2005, 170, 1299-1311.	1.2	75
56	Using the emerging Collaborative Cross to probe the immune system. Genes and Immunity, 2014, 15, 38-46.	2.2	71
57	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.	0.3	69
58	Targeted disruption of the epidermal growth factor receptor impairs growth of squamous papillomas expressing the v-ras(Ha) oncogene but does not block in vitro keratinocyte responses to oncogenic ras. Cancer Research, 1997, 57, 3180-8.	0.4	69
59	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.	3.6	67
60	Elucidation of the transcription network governing mammalian sex determination by exploiting strain-specific susceptibility to sex reversal. Genes and Development, 2009, 23, 2521-2536.	2.7	65
61	Characterization of a set of variable number of tandem repeat markers conserved in Bovidae. Genomics, 1991, 11, 24-32.	1.3	64
62	The PGE2 EP3 Receptor Regulates Diet-Induced Adiposity in Male Mice. Endocrinology, 2016, 157, 220-232.	1.4	59
63	Developing gene drive technologies to eradicate invasive rodents from islands. Journal of Responsible Innovation, 2018, 5, S121-S138.	2.3	59
64	Architecture of energy balance traits in emerging lines of the Collaborative Cross. American Journal of Physiology - Endocrinology and Metabolism, 2011, 300, E1124-E1134.	1.8	58
65	Content and Performance of the MiniMUGA Genotyping Array: A New Tool To Improve Rigor and Reproducibility in Mouse Research. Genetics, 2020, 216, 905-930.	1.2	58
66	Somatic cell mapping and restriction fragment length polymorphism analysis of bovine insulin-like growth factor I. Journal of Animal Science, 1991, 69, 4306-4311.	0.2	57
67	The gastrointestinal microbiome: a malleable, third genome of mammals. Mammalian Genome, 2009, 20, 395-403.	1.0	56
68	Genetic and metabolic links between the murine microbiome and memory. Microbiome, 2020, 8, 53.	4.9	56
69	Syntenic conservation between humans and cattle. Genomics, 1990, 8, 22-28.	1.3	55
70	Wa5 is a novel ENU-induced antimorphic allele of the epidermal growth factor receptor. Mammalian Genome, 2004, 15, 525-36.	1.0	55
71	R2d2Drives Selfish Sweeps in the House Mouse. Molecular Biology and Evolution, 2016, 33, 1381-1395.	3.5	55
72	Phosphatidylinositol 3-kinase signaling determines kidney size. Journal of Clinical Investigation, 2015, 125, 2429-2444.	3.9	55

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73	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.	1.5	52
74	Locally Fixed Alleles: A method to localize gene drive to island populations. Scientific Reports, 2019, 9, 15821.	1.6	52
75	Chronic exposure to e-cig aerosols during early development causes vascular dysfunction and offspring growth deficits. Translational Research, 2019, 207, 70-82.	2.2	52
76	Cross-talk between epidermal growth factor receptor and protein kinase C during calcium-induced differentiation of keratinocytes. Experimental Dermatology, 2000, 9, 192-199.	1.4	50
77	Modeling the cancer patient with genetically engineered mice. Cancer Cell, 2004, 5, 115-120.	7.7	49
78	Genome-level analysis of genetic regulation of liver gene expression networks. Hepatology, 2007, 46, 548-557.	3.6	49
79	Interstrain Differences in the Liver Effects of Trichloroethylene in a Multistrain Panel of Inbred Mice. Toxicological Sciences, 2011, 120, 206-217.	1.4	49
80	ERBBs in the gastrointestinal tract: Recent progress and new perspectives. Experimental Cell Research, 2009, 315, 583-601.	1.2	46
81	Syntenic conservation between humans and cattle. Genomics, 1990, 8, 29-34.	1.3	45
82	Differential expression of the full-length and truncated forms of the epidermal growth factor receptor in the preimplantation mouse uterus and blastocyst.. Endocrinology, 1996, 137, 1492-1496.	1.4	45
83	Placental and Embryonic Growth Restriction in Mice With Reduced Function Epidermal Growth Factor Receptor Alleles. Genetics, 2009, 183, 207-218.	1.2	44
84	Toxicogenetics: population-based testing of drug and chemical safety in mouse models. Pharmacogenomics, 2010, 11, 1127-1136.	0.6	44
85	Improving Metabolic Health Through Precision Dietetics in Mice. Genetics, 2018, 208, 399-417.	1.2	44
86	SNP array profiling of mouse cell lines identifies their strains of origin and reveals cross-contamination and widespread aneuploidy. BMC Genomics, 2014, 15, 847.	1.2	41
87	Somatic cell mapping, polymorphism, and linkage analysis of bovine prolactin-related proteins and placental lactogen. Genomics, 1992, 14, 137-143.	1.3	40
88	Animal models of autism spectrum disorders: Information for neurotoxicologists. NeuroToxicology, 2009, 30, 811-821.	1.4	40
89	Maternal Dioxin Exposure Combined with a Diet High in Fat Increases Mammary Cancer Incidence in Mice. Environmental Health Perspectives, 2010, 118, 596-601.	2.8	40
90	PKCÎ± tumor suppression in the intestine is associated with transcriptional and translational inhibition of cyclin D1. Experimental Cell Research, 2009, 315, 1415-1428.	1.2	38

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91	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.	3.2	35
92	Mapping of bovine cytokeratin sequences to four different sites on three chromosomes. Cytogenetic and Genome Research, 1991, 57, 135-141.	0.6	34
93	Chronic pharmacologic inhibition of EGFR leads to cardiac dysfunction in C57BL/6J mice. Toxicology and Applied Pharmacology, 2008, 228, 315-325.	1.3	34
94	Characterization of Variability in Toxicokinetics and Toxicodynamics of Tetrachloroethylene Using the Collaborative Cross Mouse Population. Environmental Health Perspectives, 2017, 125, 057006.	2.8	34
95	Targeted Inactivation of EGF Receptor Inhibits Renal Collecting Duct Development and Function. Journal of the American Society of Nephrology: JASN, 2010, 21, 573-578.	3.0	33
96	Identification of MAGI-3 as a transforming growth factor-Î± tail binding protein. Experimental Cell Research, 2005, 303, 457-470.	1.2	32
97	Deficient NRG1-ERBB signaling alters social approach: relevance to genetic mouse models of schizophrenia. Journal of Neurodevelopmental Disorders, 2009, 1, 302-312.	1.5	32
98	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.	1.4	32
99	The EGFR Is Required for Proper Innervation to the Skin. Journal of Investigative Dermatology, 2009, 129, 690-698.	0.3	31
100	Genome-wide association mapping of loci for antipsychotic-induced extrapyramidal symptoms in mice. Mammalian Genome, 2012, 23, 322-335.	1.0	31
101	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.	1.6	31
102	Synteny mapping in the bovine: Genes from human chromosome 4. Genomics, 1992, 14, 131-136.	1.3	30
103	Genetic mapping of a Ptch1-associated rhabdomyosarcoma susceptibility locus on mouse chromosome 2. Genomics, 2004, 84, 853-858.	1.3	30
104	Phenotypic Variation Resulting From a Deficiency of Epidermal Growth Factor Receptor in Mice Is Caused by Extensive Genetic Heterogeneity That Can Be Genetically and Molecularly Partitioned. Genetics, 2004, 167, 1821-1832.	1.2	29
105	Mechanism for Prevention of Alcohol-Induced Liver Injury by Dietary Methyl Donors. Toxicological Sciences, 2010, 115, 131-139.	1.4	29
106	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.	2.3	29
107	Transcriptional Correlates of Tolerance and Lethality in Mice Predict Ebola Virus Disease Patient Outcomes. Cell Reports, 2020, 30, 1702-1713.e6.	2.9	28
108	Regional localization of mouse Abl and Mos proto-oncogenes by in situ hybridization. Genomics, 1988, 3, 82-86.	1.3	27

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109	Flat Colorectal Cancers Are Genetically Determined and Progress to Invasion without Going through a Polypoid Stage. Cancer Research, 2007, 67, 11594-11600.	0.4	27
110	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.	0.8	27
111	ERBB3-Independent Activation of the PI3K Pathway in EGFR-Mutant Lung Adenocarcinomas. Cancer Research, 2015, 75, 1035-1045.	0.4	26
112	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.	1.6	26
113	Host genetic background influences diverse neurological responses to viral infection in mice. Scientific Reports, 2017, 7, 12194.	1.6	26
114	Phosphorylation of Forkhead Protein FoxO1 at S253 Regulates Glucose Homeostasis in Mice. Endocrinology, 2019, 160, 1333-1347.	1.4	26
115	Physical mapping of the lysozyme gene family in cattle. Mammalian Genome, 1993, 4, 368-373.	1.0	25
116	The Untapped Potential of Genetically Engineered Mouse Models in Chemoprevention Research: Opportunities and Challenges. Cancer Prevention Research, 2008, 1, 161-166.	0.7	25
117	Hepatocyte ERBB3 and EGFR are required for maximal CCl₄-induced liver fibrosis. American Journal of Physiology - Renal Physiology, 2016, 311, G807-G816.	1.6	25
118	Murine models of colorectal cancer. Mammalian Genome, 2009, 20, 261-268.	1.0	24
119	Placental overgrowth and fertility defects in mice with a hypermorphic allele of epidermal growth factor receptor. Mammalian Genome, 2009, 20, 339-349.	1.0	24
120	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.	2.0	24
121	Diverse tumour susceptibility in Collaborative Cross mice: identification of a new mouse model for human gastric tumourigenesis. Gut, 2019, 68, 1942-1952.	6.1	24
122	GenotypeÂÃ—Âdiet interactions in mice predisposed to mammary cancer: II. Tumors and metastasis. Mammalian Genome, 2008, 19, 179-189.	1.0	23
123	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.	2.8	23
124	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.	1.0	23
125	The thyroglobulin gene is syntenic with the MYC and MOS protooncogenes and carbonic anhydrase II and maps to chromosome 14 in cattle. Cytogenetic and Genome Research, 1990, 53, 32-36.	0.6	22
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.	1.5	22

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127	Conditional Inactivation of TNFÎ±-Converting Enzyme in Chondrocytes Results in an Elongated Growth Plate and Shorter Long Bones. PLoS ONE, 2013, 8, e54853.	1.1	22
128	Altered Trophoblast Proliferation is Insufficient to Account for Placental Dysfunction in Egfr Null Embryos. Placenta, 2007, 28, 1211-1218.	0.7	21
129	Syntenic Assignment of Human Chromosome 1 Homologous Loci in the Bovine. Genomics, 1994, 22, 626-630.	1.3	19
130	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.	3.0	19
131	Impact of Nonalcoholic Fatty Liver Disease on Toxicokinetics of Tetrachloroethylene in Mice. Journal of Pharmacology and Experimental Therapeutics, 2017, 361, 17-28.	1.3	19
132	SSLPs to map genetic differences between the 129 inbred strains and closed-colony, random-bred CD-I mice. Mammalian Genome, 1997, 8, 441-442.	1.0	18
133	The math of making mutant mice. Genes, Brain and Behavior, 2003, 2, 191-200.	1.1	18
134	Modeling cancer patient populations in mice: Complex genetic and environmental factors. Drug Discovery Today: Disease Models, 2007, 4, 83-88.	1.2	18
135	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.	1.8	18
136	Genetic mapping and developmental timing of transmission ratio distortion in a mouse interspecific backcross. BMC Genetics, 2010, 11, 98.	2.7	18
137	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.	1.8	17
138	Investigating gene function using mouse models. Current Opinion in Genetics and Development, 2004, 14, 246-252.	1.5	16
139	Replication and narrowing of gene expression quantitative trait loci using inbred mice. Mammalian Genome, 2009, 20, 437-446.	1.0	16
140	Masking inWavedâ€2Mice: EGF Receptor Control of Locomotion Questioned. Chronobiology International, 2005, 22, 963-974.	0.9	15
141	MicroRNA expression in the livers of inbred mice. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 2011, 714, 126-133.	0.4	15
142	gQTL: A Web Application for QTL Analysis Using the Collaborative Cross Mouse Genetic Reference Population. G3: Genes, Genomes, Genetics, 2018, 8, 2559-2562.	0.8	15
143	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.	2.8	15
144	Paradox of a tumour repressor. Nature, 2008, 451, 21-22.	13.7	14

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145	Population-Based Analysis of DNA Damage and Epigenetic Effects of 1,3-Butadiene in the Mouse. Chemical Research in Toxicology, 2019, 32, 887-898.	1.7	14
146	Loss of enteric neuronal Ndrg4 promotes colorectal cancer via increased release of Nid1 and Fbln2. EMBO Reports, 2021, 22, e51913.	2.0	14
147	Systemic review of genetic and epigenetic factors underlying differential toxicity to environmental lead (Pb) exposure. Environmental Science and Pollution Research, 2022, 29, 35583-35598.	2.7	14
148	Bayesian Multiple Quantitative Trait Loci Mapping for Complex Traits Using Markers of the Entire Genome. Genetics, 2007, 176, 2529-2540.	1.2	13
149	Synteny mapping of human chromosome 8 loci in cattle. Animal Genetics, 1991, 22, 117-122.	0.6	13
150	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.	1.7	13
151	Population-based doseâ€“response analysis of liver transcriptional response to trichloroethylene in mouse. Mammalian Genome, 2018, 29, 168-181.	1.0	13
152	Nonalcoholic Fatty Liver Disease Is a Susceptibility Factor for Perchloroethylene-Induced Liver Effects in Mice. Toxicological Sciences, 2017, 159, 102-113.	1.4	12
153	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.	0.8	12
154	Hippocampal transcriptome reveals novel targets of FASD pathogenesis. Brain and Behavior, 2019, 9, e01334.	1.0	12
155	Antecedent presentation of neurological phenotypes in the Collaborative Cross reveals four classes with complex sex-dependencies. Scientific Reports, 2020, 10, 7918.	1.6	12
156	Population structure and inbreeding in wild house mice (Mus musculus) at different geographic scales. Heredity, 2022, 129, 183-194.	1.2	12
157	Metastatic potential as a heritable trait. Nature Genetics, 2005, 37, 1026-1027.	9.4	11
158	Human epithelial-specific response to pathogenicCampylobacter jejuni. FEMS Microbiology Letters, 2006, 262, 236-243.	0.7	11
159	Both stromal cell and colonocyte epidermal growth factor receptors control HCT116 colon cancer cell growth in tumor xenografts. Carcinogenesis, 2012, 33, 1930-1939.	1.3	11
160	Permissiveness to form pluripotent stem cells may be an evolutionarily derived characteristic in Mus musculus. Scientific Reports, 2018, 8, 14706.	1.6	11
161	Prevention of tumorigenesis in mice by exercise is dependent on strain background and timing relative to carcinogen exposure. Scientific Reports, 2017, 7, 43086.	1.6	10
162	Sex-specific genetic architecture in response to American and ketogenic diets. International Journal of Obesity, 2021, 45, 1284-1297.	1.6	10

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163	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
164	TREEQA: QUANTITATIVE GENOME WIDE ASSOCIATION MAPPING USING LOCAL PERFECT PHYLOGENY TREES. , 2008, , .		9
165	Dietary fat-dependent transcriptional architecture and copy number alterations associated with modifiers of mammary cancer metastasis. Clinical and Experimental Metastasis, 2010, 27, 279-293.	1.7	9
166	Genetic background influences survival of infections with Salmonella enterica serovar Typhimurium in the Collaborative Cross. PLoS Genetics, 2022, 18, e1010075.	1.5	9
167	Enhanced oligonucleotide microarray labeling and hybridization. BioTechniques, 2006, 41, 685-686.	0.8	8
168	Dietary calcium supplementation enhances efficacy but also toxicity of EGFR inhibitor therapy for colon cancer. Cancer Biology and Therapy, 2012, 13, 130-137.	1.5	8
169	Loss of hepatocyte ERBB3 but not EGFR impairs hepatocarcinogenesis. American Journal of Physiology - Renal Physiology, 2015, 309, G942-G954.	1.6	8
170	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.	0.6	8
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