

David Threadgill

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8874638/publications.pdf>

Version: 2024-02-01

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 | Crosstalk between <i>EGFR</i> and <i>BMP</i> signals regulates chondrocyte maturation during endochondral ossification. <i>Developmental Dynamics</i> , 2022, 251, 193-212. | 0.8 | 5 |
| 2 | Systemic review of genetic and epigenetic factors underlying differential toxicity to environmental lead (Pb) exposure. <i>Environmental Science and Pollution Research</i> , 2022, 29, 35583-35598. | 2.7 | 14 |
| 3 | Impact of E-cig aerosol vaping on fetal and neonatal respiratory development and function. <i>Translational Research</i> , 2022, 246, 102-114. | 2.2 | 7 |
| 4 | Independent and Interactive Effects of Genetic Background and Sex on Tissue Metabolomes of Adipose, Skeletal Muscle, and Liver in Mice. <i>Metabolites</i> , 2022, 12, 337. | 1.3 | 0 |
| 5 | Genetic background influences survival of infections with <i>Salmonella enterica</i> serovar Typhimurium in the Collaborative Cross. <i>PLoS Genetics</i> , 2022, 18, e1010075. | 1.5 | 9 |
| 6 | Estrogen Protects Cardiac Function and Energy Metabolism in Dilated Cardiomyopathy Induced by Loss of Cardiac <i>IRS1</i> and <i>IRS2</i> . <i>Circulation: Heart Failure</i> , 2022, 15, 101161CIRCHEARTFAILURE121008758. | 1.6 | 7 |
| 7 | Serum Cytokines Predict Neurological Damage in Genetically Diverse Mouse Models. <i>Cells</i> , 2022, 11, 2044. | 1.8 | 2 |
| 8 | Population structure and inbreeding in wild house mice (<i>Mus musculus</i>) at different geographic scales. <i>Heredity</i> , 2022, 129, 183-194. | 1.2 | 12 |
| 9 | Peanut butter as an alternative dose delivery method to prevent strain-dependent orogastric gavage-induced stress in mouse teratogenicity studies. <i>Journal of Pharmacological and Toxicological Methods</i> , 2021, 107, 106948. | 0.3 | 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. <i>Oncogene</i> , 2021, 40, 3047-3059. | 2.6 | 3 |
| 11 | Genetics-Based Approach to Identify Novel Genes Regulated by the Aryl Hydrocarbon Receptor in Mouse Liver. <i>Toxicological Sciences</i> , 2021, 181, 285-294. | 1.4 | 3 |
| 12 | Sex-specific genetic architecture in response to American and ketogenic diets. <i>International Journal of Obesity</i> , 2021, 45, 1284-1297. | 1.6 | 10 |
| 13 | Loss of enteric neuronal <i>Ndr4</i> promotes colorectal cancer via increased release of <i>Nid1</i> and <i>Fbln2</i> . <i>EMBO Reports</i> , 2021, 22, e51913. | 2.0 | 14 |
| 14 | The First Immunocompetent Mouse Model of Strictly Human Pathogen, <i>Borrelia recurrentis</i> . <i>Infection and Immunity</i> , 2021, 89, e0004821. | 1.0 | 2 |
| 15 | Host genetic diversity drives variable central nervous system lesion distribution in chronic phase of Theiler's Murine Encephalomyelitis Virus (TMEV) infection. <i>PLoS ONE</i> , 2021, 16, e0256370. | 1.1 | 8 |
| 16 | Extensive sex-specific and regional variations observed in the microbiome of <i>Dermacentor reticulatus</i> . <i>Ticks and Tick-borne Diseases</i> , 2021, 12, 101767. | 1.1 | 4 |
| 17 | Host genetics and gut microbiota cooperatively contribute to azoxymethane-induced acute toxicity in Collaborative Cross mice. <i>Archives of Toxicology</i> , 2021, 95, 949-958. | 1.9 | 6 |
| 18 | Resilience in Long-Term Viral Infection: Genetic Determinants and Interactions. <i>International Journal of Molecular Sciences</i> , 2021, 22, 11379. | 1.8 | 4 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Epithelial-specific ERBB3 deletion results in a genetic background-dependent increase in intestinal and colon polyps that is mediated by EGFR. <i>PLoS Genetics</i> , 2021, 17, e1009931. | 1.5 | 3 |
| 20 | Genetic and immunological contributors to virus-induced paralysis. <i>Brain, Behavior, & Immunity - Health</i> , 2021, 18, 100395. | 1.3 | 6 |
| 21 | Content and Performance of the MiniMUGA Genotyping Array: A New Tool To Improve Rigor and Reproducibility in Mouse Research. <i>Genetics</i> , 2020, 216, 905-930. | 1.2 | 58 |
| 22 | Derivation of stable embryonic stem cell-like, but transcriptionally heterogenous, induced pluripotent stem cells from non-permissive mouse strains. <i>Mammalian Genome</i> , 2020, 31, 263-286. | 1.0 | 0 |
| 23 | A New Polygenic Model for Nonfamilial Colorectal Cancer Inheritance Based on the Genetic Architecture of the Azoxymethane-Induced Mouse Model. <i>Genetics</i> , 2020, 214, 691-702. | 1.2 | 5 |
| 24 | Antecedent presentation of neurological phenotypes in the Collaborative Cross reveals four classes with complex sex-dependencies. <i>Scientific Reports</i> , 2020, 10, 7918. | 1.6 | 12 |
| 25 | Mathematical methods for visualization and anomaly detection in telemetry datasets. <i>Interface Focus</i> , 2020, 10, 20190086. | 1.5 | 5 |
| 26 | Transcriptional Correlates of Tolerance and Lethality in Mice Predict Ebola Virus Disease Patient Outcomes. <i>Cell Reports</i> , 2020, 30, 1702-1713.e6. | 2.9 | 28 |
| 27 | Indole Alleviates Diet-Induced Hepatic Steatosis and Inflammation in a Manner Involving Myeloid Cell 6-Phosphofructo-2-Kinase/Fructose-6,6-Biphosphatase 3. <i>Hepatology</i> , 2020, 72, 1191-1203. | 3.6 | 67 |
| 28 | Genetic and metabolic links between the murine microbiome and memory. <i>Microbiome</i> , 2020, 8, 53. | 4.9 | 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. <i>Environmental Health Perspectives</i> , 2019, 127, 67011. | 2.8 | 15 |
| 30 | <i>Borrelia</i> and Other Zoonotic Pathogens in <i>Ixodes ricinus</i> and <i>Dermacentor reticulatus</i> Ticks Collected from the Chernobyl Exclusion Zone on the 30th Anniversary of the Nuclear Disaster. <i>Vector-Borne and Zoonotic Diseases</i> , 2019, 19, 466-473. | 0.6 | 8 |
| 31 | Hippocampal transcriptome reveals novel targets of FASD pathogenesis. <i>Brain and Behavior</i> , 2019, 9, e01334. | 1.0 | 12 |
| 32 | Gestational binge alcohol-induced alterations in maternal uterine artery transcriptome. <i>Reproductive Toxicology</i> , 2019, 87, 42-49. | 1.3 | 2 |
| 33 | Phosphorylation of Forkhead Protein FoxO1 at S253 Regulates Glucose Homeostasis in Mice. <i>Endocrinology</i> , 2019, 160, 1333-1347. | 1.4 | 26 |
| 34 | Population-Based Analysis of DNA Damage and Epigenetic Effects of 1,3-Butadiene in the Mouse. <i>Chemical Research in Toxicology</i> , 2019, 32, 887-898. | 1.7 | 14 |
| 35 | New Zealand White Rabbits Effectively Clear <i>Borrelia burgdorferi</i> B31 despite the Bacterium's Functional <i>vlsE</i> Antigenic Variation System. <i>Infection and Immunity</i> , 2019, 87, . | 1.0 | 6 |
| 36 | Diverse tumour susceptibility in Collaborative Cross mice: identification of a new mouse model for human gastric tumourigenesis. <i>Gut</i> , 2019, 68, 1942-1952. | 6.1 | 24 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 37 | Long-Term Combinatorial Exposure to Trichloroethylene and Inorganic Arsenic in Genetically Heterogeneous Mice Results in Renal Tubular Damage and Cancer-Associated Molecular Changes. <i>G3: Genes, Genomes, Genetics</i> , 2019, 9, 1729-1737. | 0.8 | 7 |
| 38 | Locally Fixed Alleles: A method to localize gene drive to island populations. <i>Scientific Reports</i> , 2019, 9, 15821. | 1.6 | 52 |
| 39 | Modulation of Tetrachloroethylene-Associated Kidney Effects by Nonalcoholic Fatty Liver or Steatohepatitis in Male C57BL/6J Mice. <i>Toxicological Sciences</i> , 2019, 167, 126-137. | 1.4 | 5 |
| 40 | Chronic exposure to e-cig aerosols during early development causes vascular dysfunction and offspring growth deficits. <i>Translational Research</i> , 2019, 207, 70-82. | 2.2 | 52 |
| 41 | A Whole Genome Assembly of the Horn Fly, <i>Haematobia irritans</i> , and Prediction of Genes with Roles in Metabolism and Sex Determination. <i>G3: Genes, Genomes, Genetics</i> , 2018, 8, 1675-1686. | 0.8 | 12 |
| 42 | Tissue Level Diet and Sex-by-Diet Interactions Reveal Unique Metabolite and Clustering Profiles Using Untargeted Liquid Chromatography-Mass Spectrometry on Adipose, Skeletal Muscle, and Liver Tissue in C57BL6/J Mice. <i>Journal of Proteome Research</i> , 2018, 17, 1077-1090. | 1.8 | 17 |
| 43 | Population-based dose-response analysis of liver transcriptional response to trichloroethylene in mouse. <i>Mammalian Genome</i> , 2018, 29, 168-181. | 1.0 | 13 |
| 44 | Developing gene drive technologies to eradicate invasive rodents from islands. <i>Journal of Responsible Innovation</i> , 2018, 5, S121-S138. | 2.3 | 59 |
| 45 | Bayesian Diallel Analysis Reveals <i>Mx1</i> -Dependent and <i>Mx1</i> -Independent Effects on Response to Influenza A Virus in Mice. <i>G3: Genes, Genomes, Genetics</i> , 2018, 8, 427-445. | 0.8 | 27 |
| 46 | Improving Metabolic Health Through Precision Dietetics in Mice. <i>Genetics</i> , 2018, 208, 399-417. | 1.2 | 44 |
| 47 | Transcriptional landscape of mouse-aged ovaries reveals a unique set of non-coding RNAs associated with physiological and environmental ovarian dysfunctions. <i>Cell Death Discovery</i> , 2018, 4, 112. | 2.0 | 24 |
| 48 | Permissiveness to form pluripotent stem cells may be an evolutionarily derived characteristic in <i>Mus musculus</i> . <i>Scientific Reports</i> , 2018, 8, 14706. | 1.6 | 11 |
| 49 | Characterizing <i>Serp1b2</i> as a Modulator of TCDD-Induced Suppression of the B Cell. <i>Chemical Research in Toxicology</i> , 2018, 31, 1248-1259. | 1.7 | 5 |
| 50 | gQTL: A Web Application for QTL Analysis Using the Collaborative Cross Mouse Genetic Reference Population. <i>G3: Genes, Genomes, Genetics</i> , 2018, 8, 2559-2562. | 0.8 | 15 |
| 51 | Impact of Nonalcoholic Fatty Liver Disease on Toxicokinetics of Tetrachloroethylene in Mice. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2017, 361, 17-28. | 1.3 | 19 |
| 52 | Prevention of tumorigenesis in mice by exercise is dependent on strain background and timing relative to carcinogen exposure. <i>Scientific Reports</i> , 2017, 7, 43086. | 1.6 | 10 |
| 53 | Nonalcoholic Fatty Liver Disease Is a Susceptibility Factor for Perchloroethylene-Induced Liver Effects in Mice. <i>Toxicological Sciences</i> , 2017, 159, 102-113. | 1.4 | 12 |
| 54 | Interdependency of EGF and GLP-2 Signaling in Attenuating Mucosal Atrophy in a Mouse Model of Parenteral Nutrition. <i>Cellular and Molecular Gastroenterology and Hepatology</i> , 2017, 3, 447-468. | 2.3 | 29 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 55 | Editor'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. <i>Toxicological Sciences</i> , 2017, 158, 48-62. | 1.4 | 32 |
| 56 | Prophylactic vaccination targeting ERBB3 decreases polyp burden in a mouse model of human colorectal cancer. <i>Oncolmmunology</i> , 2017, 6, e1255395. | 2.1 | 7 |
| 57 | Host genetic background influences diverse neurological responses to viral infection in mice. <i>Scientific Reports</i> , 2017, 7, 12194. | 1.6 | 26 |
| 58 | Disruption of postnatal folliculogenesis and development of ovarian tumor in a mouse model with aberrant transforming growth factor beta signaling. <i>Reproductive Biology and Endocrinology</i> , 2017, 15, 94. | 1.4 | 7 |
| 59 | Characterization of Variability in Toxicokinetics and Toxicodynamics of Tetrachloroethylene Using the Collaborative Cross Mouse Population. <i>Environmental Health Perspectives</i> , 2017, 125, 057006. | 2.8 | 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 CCl ₄ -induced liver fibrosis. <i>American Journal of Physiology - Renal Physiology</i> , 2016, 311, G807-G816. | 1.6 | 25 |
| 64 | The PGE2 EP3 Receptor Regulates Diet-Induced Adiposity in Male Mice. <i>Endocrinology</i> , 2016, 157, 220-232. | 1.4 | 59 |
| 65 | <i>R2d2</i> Drives Selfish Sweeps in the House Mouse. <i>Molecular Biology and Evolution</i> , 2016, 33, 1381-1395. | 3.5 | 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. <i>American Journal of Physiology - Renal Physiology</i> , 2015, 309, G942-G954. | 1.6 | 8 |
| 68 | Genome Wide Identification of SARS-CoV Susceptibility Loci Using the Collaborative Cross. <i>PLoS Genetics</i> , 2015, 11, e1005504. | 1.5 | 137 |
| 69 | A Multi-Megabase Copy Number Gain Causes Maternal Transmission Ratio Distortion on Mouse Chromosome 2. <i>PLoS Genetics</i> , 2015, 11, e1004850. | 1.5 | 76 |
| 70 | Sensitivity to hepatotoxicity due to epigallocatechin gallate is affected by genetic background in diversity outbred mice. <i>Food and Chemical Toxicology</i> , 2015, 76, 19-26. | 1.8 | 80 |
| 71 | Analyses of allele-specific gene expression in highly divergent mouse crosses identifies pervasive allelic imbalance. <i>Nature Genetics</i> , 2015, 47, 353-360. | 9.4 | 204 |
| 72 | ERBB3-Independent Activation of the PI3K Pathway in EGFR-Mutant Lung Adenocarcinomas. <i>Cancer Research</i> , 2015, 75, 1035-1045. | 0.4 | 26 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 73 | Loss of hepatocyte EGFR has no effect alone but exacerbates carbon tetrachloride-induced liver injury and impairs regeneration in hepatocyte Met-deficient mice. <i>American Journal of Physiology - Renal Physiology</i> , 2015, 308, G364-G377. | 1.6 | 26 |
| 74 | The next generation of rodent eradications: Innovative technologies and tools to improve species specificity and increase their feasibility on islands. <i>Biological Conservation</i> , 2015, 185, 47-58. | 1.9 | 111 |
| 75 | Phosphatidylinositol 3-kinase signaling determines kidney size. <i>Journal of Clinical Investigation</i> , 2015, 125, 2429-2444. | 3.9 | 55 |
| 76 | SNP array profiling of mouse cell lines identifies their strains of origin and reveals cross-contamination and widespread aneuploidy. <i>BMC Genomics</i> , 2014, 15, 847. | 1.2 | 41 |
| 77 | Using the emerging Collaborative Cross to probe the immune system. <i>Genes and Immunity</i> , 2014, 15, 38-46. | 2.2 | 71 |
| 78 | The Epidermal Growth Factor Receptor Critically Regulates Endometrial Function during Early Pregnancy. <i>PLoS Genetics</i> , 2014, 10, e1004451. | 1.5 | 83 |
| 79 | Wildtype epidermal growth factor receptor (Egfr) is not required for daily locomotor or masking behavior in mice. <i>Journal of Circadian Rhythms</i> , 2014, 4, 15. | 2.9 | 2 |
| 80 | A Gnotobiotic Mouse Model Demonstrates That Dietary Fiber Protects against Colorectal Tumorigenesis in a Microbiota- and Butyrate-Dependent Manner. <i>Cancer Discovery</i> , 2014, 4, 1387-1397. | 7.7 | 344 |
| 81 | Epidermal growth factor receptor plays a role in the regulation of liver and plasma lipid levels in adult male mice. <i>American Journal of Physiology - Renal Physiology</i> , 2014, 306, G370-G381. | 1.6 | 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. <i>Journal of the National Cancer Institute</i> , 2013, 105, 1355-1364. | 3.0 | 19 |
| 84 | Identification of a Novel Polymorphism in X-Linked Sterol-4-Alpha-Carboxylate 3-Dehydrogenase (<i>Nsdhl</i>) Associated with Reduced High-Density Lipoprotein Cholesterol Levels in I/LnJ Mice. <i>G3: Genes, Genomes, Genetics</i> , 2013, 3, 1819-1825. | 0.8 | 5 |
| 85 | Modeling Host Genetic Regulation of Influenza Pathogenesis in the Collaborative Cross. <i>PLoS Pathogens</i> , 2013, 9, e1003196. | 2.1 | 183 |
| 86 | Conditional Inactivation of TNF α -Converting Enzyme in Chondrocytes Results in an Elongated Growth Plate and Shorter Long Bones. <i>PLoS ONE</i> , 2013, 8, e54853. | 1.1 | 22 |
| 87 | Tumor fibroblast-derived epiregulin promotes growth of colitis-associated neoplasms through ERK. <i>Journal of Clinical Investigation</i> , 2013, 123, 1428-1443. | 3.9 | 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 (<i>Scc</i>) Loci Using a Mouse Interspecific Backcross. <i>G3: Genes, Genomes, Genetics</i> , 2012, 2, 1577-1584. | 0.8 | 5 |
| 90 | Expression Quantitative Trait Loci for Extreme Host Response to Influenza A in Pre-Collaborative Cross Mice. <i>G3: Genes, Genomes, Genetics</i> , 2012, 2, 213-221. | 0.8 | 78 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|------|-----------|
| 91 | Ten Years of the Collaborative Cross. <i>G3: Genes, Genomes, Genetics</i> , 2012, 2, 153-156. | 0.8 | 78 |
| 92 | Ten Years of the Collaborative Cross. <i>Genetics</i> , 2012, 190, 291-294. | 1.2 | 128 |
| 93 | Genetic Analysis of Hematological Parameters in Incipient Lines of the Collaborative Cross. <i>G3: Genes, Genomes, Genetics</i> , 2012, 2, 157-165. | 0.8 | 80 |
| 94 | Dietary calcium supplementation enhances efficacy but also toxicity of EGFR inhibitor therapy for colon cancer. <i>Cancer Biology and Therapy</i> , 2012, 13, 130-137. | 1.5 | 8 |
| 95 | EGFR Signaling Promotes TGF β -Dependent Renal Fibrosis. <i>Journal of the American Society of Nephrology: JASN</i> , 2012, 23, 215-224. | 3.0 | 228 |
| 96 | Both stromal cell and colonocyte epidermal growth factor receptors control HCT116 colon cancer cell growth in tumor xenografts. <i>Carcinogenesis</i> , 2012, 33, 1930-1939. | 1.3 | 11 |
| 97 | The Genome Architecture of the Collaborative Cross Mouse Genetic Reference Population. <i>Genetics</i> , 2012, 190, 389-401. | 1.2 | 435 |
| 98 | Status and access to the Collaborative Cross population. <i>Mammalian Genome</i> , 2012, 23, 706-712. | 1.0 | 134 |
| 99 | EGF Receptor Is Required for KRAS-Induced Pancreatic Tumorigenesis. <i>Cancer Cell</i> , 2012, 22, 304-317. | 7.7 | 445 |
| 100 | Epidermal ADAM17 maintains the skin barrier by regulating EGFR ligand-dependent terminal keratinocyte differentiation. <i>Journal of Experimental Medicine</i> , 2012, 209, 1105-1119. | 4.2 | 161 |
| 101 | Genome-wide association mapping of loci for antipsychotic-induced extrapyramidal symptoms in mice. <i>Mammalian Genome</i> , 2012, 23, 322-335. | 1.0 | 31 |
| 102 | Epidermal ADAM17 maintains the skin barrier by regulating EGFR ligand-dependent terminal keratinocyte differentiation. <i>Journal of Cell Biology</i> , 2012, 197, i7-i7. | 2.3 | 1 |
| 103 | Abstract B35: Activation of Putative Compensatory Pathways upon Deletion of Erbb3 in Mutant EGFR-driven Lung Cancer. <i>Clinical Cancer Research</i> , 2012, 18, B35-B35. | 3.2 | 1 |
| 104 | Efficacy of EGFR Inhibition Is Modulated by Model, Sex, Genetic Background and Diet: Implications for Preclinical Cancer Prevention and Therapy Trials. <i>PLoS ONE</i> , 2012, 7, e39552. | 1.1 | 6 |
| 105 | Epidermal growth factor receptor promotes glomerular injury and renal failure in rapidly progressive crescentic glomerulonephritis. <i>Nature Medicine</i> , 2011, 17, 1242-1250. | 15.2 | 204 |
| 106 | Stromal Cell and Colonocyte EGFR Are Required for Efficient Tumor Xenograft Growth of Colon Cancer Cells. <i>Gastroenterology</i> , 2011, 140, S-825. | 0.6 | 0 |
| 107 | Epiregulin-dependent amphiregulin expression and ERBB2 signaling are involved in luteinizing hormone-induced paracrine signaling pathways in mouse ovary. <i>Biochemical and Biophysical Research Communications</i> , 2011, 405, 319-324. | 1.0 | 23 |
| 108 | MicroRNA expression in the livers of inbred mice. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2011, 714, 126-133. | 0.4 | 15 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 109 | Epidermal growth factor receptor plays an anabolic role in bone metabolism in vivo. <i>Journal of Bone and Mineral Research</i> , 2011, 26, 1022-1034. | 3.1 | 79 |
| 110 | Interstrain Differences in the Liver Effects of Trichloroethylene in a Multistrain Panel of Inbred Mice. <i>Toxicological Sciences</i> , 2011, 120, 206-217. | 1.4 | 49 |
| 111 | Genetic analysis of complex traits in the emerging Collaborative Cross. <i>Genome Research</i> , 2011, 21, 1213-1222. | 2.4 | 327 |
| 112 | The Collaborative Cross: A Recombinant Inbred Mouse Population for the Systems Genetic Era. <i>ILAR Journal</i> , 2011, 52, 24-31. | 1.8 | 183 |
| 113 | Architecture of energy balance traits in emerging lines of the Collaborative Cross. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2011, 300, E1124-E1134. | 1.8 | 58 |
| 114 | Dietary fat alters pulmonary metastasis of mammary cancers through cancer autonomous and non-autonomous changes in gene expression. <i>Clinical and Experimental Metastasis</i> , 2010, 27, 107-116. | 1.7 | 13 |
| 115 | Dietary fat-dependent transcriptional architecture and copy number alterations associated with modifiers of mammary cancer metastasis. <i>Clinical and Experimental Metastasis</i> , 2010, 27, 279-293. | 1.7 | 9 |
| 116 | Genetic mapping and developmental timing of transmission ratio distortion in a mouse interspecific backcross. <i>BMC Genetics</i> , 2010, 11, 98. | 2.7 | 18 |
| 117 | Targeted Inactivation of EGF Receptor Inhibits Renal Collecting Duct Development and Function. <i>Journal of the American Society of Nephrology: JASN</i> , 2010, 21, 573-578. | 3.0 | 33 |
| 118 | Mechanism for Prevention of Alcohol-Induced Liver Injury by Dietary Methyl Donors. <i>Toxicological Sciences</i> , 2010, 115, 131-139. | 1.4 | 29 |
| 119 | Maternal Dioxin Exposure Combined with a Diet High in Fat Increases Mammary Cancer Incidence in Mice. <i>Environmental Health Perspectives</i> , 2010, 118, 596-601. | 2.8 | 40 |
| 120 | EGFR Regulates the Expression of Keratinocyte-Derived Granulocyte/Macrophage Colony-Stimulating Factor In Vitro and In Vivo. <i>Journal of Investigative Dermatology</i> , 2010, 130, 682-693. | 0.3 | 69 |
| 121 | Toxicogenetics: population-based testing of drug and chemical safety in mouse models. <i>Pharmacogenomics</i> , 2010, 11, 1127-1136. | 0.6 | 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. <i>Genetics</i> , 2009, 183, 207-218. | 1.2 | 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. <i>Environmental Health Perspectives</i> , 2009, 117, 1414-1419. | 2.8 | 23 |
| 125 | Mouse breast cancer model-dependent changes in metabolic syndrome-associated phenotypes caused by maternal dioxin exposure and dietary fat. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2009, 296, E203-E210. | 1.8 | 18 |
| 126 | Parent-of-origin effects on cardiac response to pressure overload in mice. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2009, 297, H1003-H1009. | 1.5 | 22 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 127 | Reduced EGFR causes abnormal valvular differentiation leading to calcific aortic stenosis and left ventricular hypertrophy in C57BL/6J but not 129S1/SvImJ mice. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2009, 297, H65-H75. | 1.5 | 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. <i>Clinical Cancer Research</i> , 2009, 15, 6780-6789. | 3.2 | 35 |
| 129 | ERBBs in the gastrointestinal tract: Recent progress and new perspectives. <i>Experimental Cell Research</i> , 2009, 315, 583-601. | 1.2 | 46 |
| 130 | PKC ζ tumor suppression in the intestine is associated with transcriptional and translational inhibition of cyclin D1. <i>Experimental Cell Research</i> , 2009, 315, 1415-1428. | 1.2 | 38 |
| 131 | Generation and validation of mice carrying a conditional allele of the epidermal growth factor receptor. <i>Genesis</i> , 2009, 47, 85-92. | 0.8 | 88 |
| 132 | Deficient NRG1-ERBB signaling alters social approach: relevance to genetic mouse models of schizophrenia. <i>Journal of Neurodevelopmental Disorders</i> , 2009, 1, 302-312. | 1.5 | 32 |
| 133 | Murine models of colorectal cancer. <i>Mammalian Genome</i> , 2009, 20, 261-268. | 1.0 | 24 |
| 134 | Placental overgrowth and fertility defects in mice with a hypermorphic allele of epidermal growth factor receptor. <i>Mammalian Genome</i> , 2009, 20, 339-349. | 1.0 | 24 |
| 135 | Replication and narrowing of gene expression quantitative trait loci using inbred mice. <i>Mammalian Genome</i> , 2009, 20, 437-446. | 1.0 | 16 |
| 136 | The gastrointestinal microbiome: a malleable, third genome of mammals. <i>Mammalian Genome</i> , 2009, 20, 395-403. | 1.0 | 56 |
| 137 | The EGFR Is Required for Proper Innervation to the Skin. <i>Journal of Investigative Dermatology</i> , 2009, 129, 690-698. | 0.3 | 31 |
| 138 | Population-Based Discovery of Toxicogenomics Biomarkers for Hepatotoxicity Using a Laboratory Strain Diversity Panel. <i>Toxicological Sciences</i> , 2009, 110, 235-243. | 1.4 | 88 |
| 139 | Animal models of autism spectrum disorders: Information for neurotoxicologists. <i>NeuroToxicology</i> , 2009, 30, 811-821. | 1.4 | 40 |
| 140 | Elucidation of the transcription network governing mammalian sex determination by exploiting strain-specific susceptibility to sex reversal. <i>Genes and Development</i> , 2009, 23, 2521-2536. | 2.7 | 65 |
| 141 | Mouse population-guided resequencing reveals that variants in <i>CD44</i> contribute to acetaminophen-induced liver injury in humans. <i>Genome Research</i> , 2009, 19, 1507-1515. | 2.4 | 165 |
| 142 | Tumor-specific apoptosis caused by deletion of the ERBB3 pseudo-kinase in mouse intestinal epithelium. <i>Journal of Clinical Investigation</i> , 2009, 119, 2702-2713. | 3.9 | 80 |
| 143 | Inferring genome-wide mosaic structure. <i>Pacific Symposium on Biocomputing Pacific Symposium on Biocomputing</i> , 2009, , 150-61. | 0.7 | 5 |
| 144 | TreeQA: quantitative genome wide association mapping using local perfect phylogeny trees. <i>Pacific Symposium on Biocomputing Pacific Symposium on Biocomputing</i> , 2009, , 415-26. | 0.7 | 10 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|------|-----------|
| 145 | Genotype—Diet interactions in mice predisposed to mammary cancer: II. Tumors and metastasis. <i>Mammalian Genome</i> , 2008, 19, 179-189. | 1.0 | 23 |
| 146 | The Collaborative Cross at Oak Ridge National Laboratory: developing a powerful resource for systems genetics. <i>Mammalian Genome</i> , 2008, 19, 382-389. | 1.0 | 245 |
| 147 | Paradox of a tumour repressor. <i>Nature</i> , 2008, 451, 21-22. | 13.7 | 14 |
| 148 | Chronic pharmacologic inhibition of EGFR leads to cardiac dysfunction in C57BL/6J mice. <i>Toxicology and Applied Pharmacology</i> , 2008, 228, 315-325. | 1.3 | 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. <i>Cancer Prevention Research</i> , 2008, 1, 161-166. | 0.7 | 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. <i>Lecture Notes in Computer Science</i> , 2008, , 271-283. | 1.0 | 3 |
| 154 | Cardiac response to pressure overload in 129S1/SvImJ and C57BL/6J mice: temporal- and background-dependent development of concentric left ventricular hypertrophy. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2007, 292, H2119-H2130. | 1.5 | 117 |
| 155 | Bayesian Multiple Quantitative Trait Loci Mapping for Complex Traits Using Markers of the Entire Genome. <i>Genetics</i> , 2007, 176, 2529-2540. | 1.2 | 13 |
| 156 | Inferring missing genotypes in large SNP panels using fast nearest-neighbor searches over sliding windows. <i>Bioinformatics</i> , 2007, 23, i401-i407. | 1.8 | 77 |
| 157 | Flat Colorectal Cancers Are Genetically Determined and Progress to Invasion without Going through a Polypoid Stage. <i>Cancer Research</i> , 2007, 67, 11594-11600. | 0.4 | 27 |
| 158 | Luteinizing Hormone-Dependent Activation of the Epidermal Growth Factor Network Is Essential for Ovulation. <i>Molecular and Cellular Biology</i> , 2007, 27, 1914-1924. | 1.1 | 305 |
| 159 | Mouse behavioral tasks relevant to autism: Phenotypes of 10 inbred strains. <i>Behavioural Brain Research</i> , 2007, 176, 4-20. | 1.2 | 714 |
| 160 | Transcriptional recapitulation and subversion of embryonic colon development by mouse colon tumor models and human colon cancer. <i>Genome Biology</i> , 2007, 8, R131. | 3.8 | 299 |
| 161 | Sample Selection for Maximal Diversity. , 2007, , . | | 4 |
| 162 | Modeling cancer patient populations in mice: Complex genetic and environmental factors. <i>Drug Discovery Today: Disease Models</i> , 2007, 4, 83-88. | 1.2 | 18 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 163 | Genome-level analysis of genetic regulation of liver gene expression networks. <i>Hepatology</i> , 2007, 46, 548-557. | 3.6 | 49 |
| 164 | Bayesian Hierarchical Modeling for Time Course Microarray Experiments. <i>Biometrics</i> , 2007, 63, 496-504. | 0.8 | 5 |
| 165 | Altered Trophoblast Proliferation is Insufficient to Account for Placental Dysfunction in <i>Egfr</i> Null Embryos. <i>Placenta</i> , 2007, 28, 1211-1218. | 0.7 | 21 |
| 166 | The polymorphism architecture of mouse genetic resources elucidated using genome-wide resequencing data: implications for QTL discovery and systems genetics. <i>Mammalian Genome</i> , 2007, 18, 473-481. | 1.0 | 237 |
| 167 | Enhanced oligonucleotide microarray labeling and hybridization. <i>BioTechniques</i> , 2006, 41, 685-686. | 0.8 | 8 |
| 168 | Human epithelial-specific response to pathogenic <i>Campylobacter jejuni</i> . <i>FEMS Microbiology Letters</i> , 2006, 262, 236-243. | 0.7 | 11 |
| 169 | Quantitative PCR assays for mouse enteric flora reveal strain-dependent differences in composition that are influenced by the microenvironment. <i>Mammalian Genome</i> , 2006, 17, 1093-1104. | 1.0 | 124 |
| 170 | Large-Scale Gene Expression Differences Across Brain Regions and Inbred Strains Correlate With a Behavioral Phenotype. <i>Genetics</i> , 2006, 174, 1229-1236. | 1.2 | 86 |
| 171 | Genetic modifiers prevent left ventricular hypertrophy in the Epidermal Growth Factor Receptor (<i>Egfr/ErbB1</i>) waved mouse model for aortic stenosis. <i>FASEB Journal</i> , 2006, 20, A638. | 0.2 | 0 |
| 172 | Metastatic potential as a heritable trait. <i>Nature Genetics</i> , 2005, 37, 1026-1027. | 9.4 | 11 |
| 173 | Complex trait analysis of gene expression uncovers polygenic and pleiotropic networks that modulate nervous system function. <i>Nature Genetics</i> , 2005, 37, 233-242. | 9.4 | 695 |
| 174 | Azoxymethane Is a Genetic Background-Dependent Colorectal Tumor Initiator and Promoter in Mice: Effects of Dose, Route, and Diet. <i>Toxicological Sciences</i> , 2005, 88, 340-345. | 1.4 | 99 |
| 175 | High Expression of ErbB Family Members and Their Ligands in Lung Adenocarcinomas That Are Sensitive to Inhibition of Epidermal Growth Factor Receptor. <i>Cancer Research</i> , 2005, 65, 11478-11485. | 0.4 | 135 |
| 176 | Quantitative Trait Locus Analysis Using Recombinant Inbred Intercrosses. <i>Genetics</i> , 2005, 170, 1299-1311. | 1.2 | 75 |
| 177 | Requirement of Epidermal Growth Factor Receptor for Hyperplasia Induced by E5, a High-Risk Human Papillomavirus Oncogene. <i>Cancer Research</i> , 2005, 65, 6534-6542. | 0.4 | 128 |
| 178 | Identification of MAGI-3 as a transforming growth factor- β tail binding protein. <i>Experimental Cell Research</i> , 2005, 303, 457-470. | 1.2 | 32 |
| 179 | Masking in Waved Mice: EGF Receptor Control of Locomotion Questioned. <i>Chronobiology International</i> , 2005, 22, 963-974. | 0.9 | 15 |
| 180 | THE MOUSE IN BIOMEDICAL RESEARCH. , 2005, , 319-340. | | 2 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 181 | Epiregulin Is Not Essential for Development of Intestinal Tumors but Is Required for Protection from Intestinal Damage. <i>Molecular and Cellular Biology</i> , 2004, 24, 8907-8916. | 1.1 | 92 |
| 182 | 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. <i>Genetics</i> , 2004, 167, 1821-1832. | 1.2 | 29 |
| 183 | The Collaborative Cross, a community resource for the genetic analysis of complex traits. <i>Nature Genetics</i> , 2004, 36, 1133-1137. | 9.4 | 1,034 |
| 184 | Modeling the cancer patient with genetically engineered mice. <i>Cancer Cell</i> , 2004, 5, 115-120. | 7.7 | 49 |
| 185 | Wa5 is a novel ENU-induced antimorphic allele of the epidermal growth factor receptor. <i>Mammalian Genome</i> , 2004, 15, 525-36. | 1.0 | 55 |
| 186 | Investigating gene function using mouse models. <i>Current Opinion in Genetics and Development</i> , 2004, 14, 246-252. | 1.5 | 16 |
| 187 | Characterization of a common deletion polymorphism of the UGT2B17 gene linked to UGT2B15. <i>Genomics</i> , 2004, 84, 707-714. | 1.3 | 144 |
| 188 | Genetic mapping of a Ptch1-associated rhabdomyosarcoma susceptibility locus on mouse chromosome 2. <i>Genomics</i> , 2004, 84, 853-858. | 1.3 | 30 |
| 189 | The math of making mutant mice. <i>Genes, Brain and Behavior</i> , 2003, 2, 191-200. | 1.1 | 18 |
| 190 | The nature and identification of quantitative trait loci: a community's view. <i>Nature Reviews Genetics</i> , 2003, 4, 911-916. | 7.7 | 390 |
| 191 | Molecular and genetic analysis of a carcinogen-based mouse model for hepatocarcinogenesis. <i>Gastroenterology</i> , 2003, 124, A742. | 0.6 | 0 |
| 192 | Genetics of dark skin in mice. <i>Genes and Development</i> , 2003, 17, 214-228. | 2.7 | 124 |
| 193 | Importance of epidermal growth factor receptor signaling in establishment of adenomas and maintenance of carcinomas during intestinal tumorigenesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 1521-1526. | 3.3 | 248 |
| 194 | Genetic dissection of complex and quantitative traits: from fantasy to reality via a community effort. <i>Mammalian Genome</i> , 2002, 13, 175-178. | 1.0 | 191 |
| 195 | Comparative Genomic Sequence Analysis and Isolation of Human and Mouse Alternative EGFR Transcripts Encoding Truncated Receptor Isoforms. <i>Genomics</i> , 2001, 71, 1-20. | 1.3 | 99 |
| 196 | Profiling proteins from azoxymethane-induced colon tumors at the molecular level by matrix-assisted laser desorption/ionization mass spectrometry. <i>Proteomics</i> , 2001, 1, 1320-1326. | 1.3 | 122 |
| 197 | Cross-talk between epidermal growth factor receptor and protein kinase C during calcium-induced differentiation of keratinocytes. <i>Experimental Dermatology</i> , 2000, 9, 192-199. | 1.4 | 50 |
| 198 | Microarray foray. <i>Breast Cancer Research</i> , 1999, 2, 8-9. | 2.2 | 1 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 199 | Role of the Angiotensin Type 2 Receptor Gene in Congenital Anomalies of the Kidney and Urinary Tract, CAKUT, of Mice and Men. <i>Molecular Cell</i> , 1999, 3, 1-10. | 4.5 | 357 |
| 200 | Genealogy of the 129 inbred strains: 129/SvJ is a contaminated inbred strain. <i>Mammalian Genome</i> , 1997, 8, 390-393. | 1.0 | 201 |
| 201 | SSLPs to map genetic differences between the 129 inbred strains and closed-colony, random-bred CD-1 mice. <i>Mammalian Genome</i> , 1997, 8, 441-442. | 1.0 | 18 |
| 202 | Genetically null mice reveal a central role for epidermal growth factor receptor in the differentiation of the hair follicle and normal hair development. <i>American Journal of Pathology</i> , 1997, 150, 1959-75. | 1.9 | 155 |
| 203 | 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. <i>Cancer Research</i> , 1997, 57, 3180-8. | 0.4 | 69 |
| 204 | Differential expression of the full-length and truncated forms of the epidermal growth factor receptor in the preimplantation mouse uterus and blastocyst. <i>Endocrinology</i> , 1996, 137, 1492-1496. | 1.4 | 45 |
| 205 | Activation of the Epidermal Growth Factor Receptor Signal Transduction Pathway Stimulates Tyrosine Phosphorylation of Protein Kinase C ζ . <i>Journal of Biological Chemistry</i> , 1996, 271, 5325-5331. | 1.6 | 180 |
| 206 | Targeted disruption of mouse EGF receptor: effect of genetic background on mutant phenotype. <i>Science</i> , 1995, 269, 230-234. | 6.0 | 1,349 |
| 207 | Syntenic Assignment of Human Chromosome 1 Homologous Loci in the Bovine. <i>Genomics</i> , 1994, 22, 626-630. | 1.3 | 19 |
| 208 | Physical mapping of the lysozyme gene family in cattle. <i>Mammalian Genome</i> , 1993, 4, 368-373. | 1.0 | 25 |
| 209 | Syntenic mapping in the bovine: Genes from human chromosome 4. <i>Genomics</i> , 1992, 14, 131-136. | 1.3 | 30 |
| 210 | Somatic cell mapping, polymorphism, and linkage analysis of bovine prolactin-related proteins and placental lactogen. <i>Genomics</i> , 1992, 14, 137-143. | 1.3 | 40 |
| 211 | Genomic mapping within the albino-deletion complex using individual early postimplantation mouse embryos. <i>Mammalian Genome</i> , 1992, 3, 79-83. | 1.0 | 5 |
| 212 | Characterization of a set of variable number of tandem repeat markers conserved in Bovidae. <i>Genomics</i> , 1991, 11, 24-32. | 1.3 | 64 |
| 213 | Somatic cell mapping of bovine clathrin light chain genes: identification of a new bovine syntenic group. <i>Cytogenetic and Genome Research</i> , 1991, 56, 154-156. | 0.6 | 4 |
| 214 | Somatic cell mapping and restriction fragment length polymorphism analysis of bovine insulin-like growth factor I. <i>Journal of Animal Science</i> , 1991, 69, 4306-4311. | 0.2 | 57 |
| 215 | Mapping of bovine cytokeratin sequences to four different sites on three chromosomes. <i>Cytogenetic and Genome Research</i> , 1991, 57, 135-141. | 0.6 | 34 |
| 216 | Syntenic mapping of human chromosome 8 loci in cattle. <i>Animal Genetics</i> , 1991, 22, 117-122. | 0.6 | 13 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 217 | Localization of the murine methylmalonyl CoA mutase (<i>Mut</i>) locus on chromosome 17 by in situ hybridization. <i>Cytogenetic and Genome Research</i> , 1990, 53, 112-114. | 0.6 | 6 |
| 218 | The thyroglobulin gene is syntenic with the MYC and MOS protooncogenes and carbonic anhydrase II and maps to chromosome 14 in cattle. <i>Cytogenetic and Genome Research</i> , 1990, 53, 32-36. | 0.6 | 22 |
| 219 | Genomic analysis of the major bovine milk protein genes. <i>Nucleic Acids Research</i> , 1990, 18, 6935-6942. | 6.5 | 232 |
| 220 | Syntenic conservation between humans and cattle. <i>Genomics</i> , 1990, 8, 29-34. | 1.3 | 45 |
| 221 | Syntenic conservation between humans and cattle. <i>Genomics</i> , 1990, 8, 22-28. | 1.3 | 55 |
| 222 | Regional localization of mouse Abl and Mos proto-oncogenes by in situ hybridization. <i>Genomics</i> , 1988, 3, 82-86. | 1.3 | 27 |