

Daniel Pomp

List of Publications by Year in descending order

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Version: 2024-02-01

96
papers

6,159
citations

101384

36
h-index

74018

75
g-index

99
all docs

99
docs citations

99
times ranked

7459
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Socio-Economic and Psychological Determinants for Household Water Treatment Practices in Indigenous“Rural Indonesia. <i>Frontiers in Water</i> , 2021, 3, . | 1.0 | 12 |
| 2 | Systems genetics in diversity outbred mice inform BMD GWAS and identify determinants of bone strength. <i>Nature Communications</i> , 2021, 12, 3408. | 5.8 | 31 |
| 3 | Genetic architecture modulates diet-induced hepatic mRNA and miRNA expression profiles in Diversity Outbred mice. <i>Genetics</i> , 2021, 218, . | 1.2 | 4 |
| 4 | Genetic Basis of Aerobically Supported Voluntary Exercise: Results from a Selection Experiment with House Mice. <i>Genetics</i> , 2020, 216, 781-804. | 1.2 | 15 |
| 5 | Genetic Architecture Modulates Diet-Induced Hepatic mRNA and miRNA Expression Profiles in Diversity Outbred Mice. <i>Genetics</i> , 2020, 216, 241-259. | 1.2 | 6 |
| 6 | Facial shape and allometry quantitative trait locus intervals in the Diversity Outbred mouse are enriched for known skeletal and facial development genes. <i>PLoS ONE</i> , 2020, 15, e0233377. | 1.1 | 19 |
| 7 | microRNA-146a-5p association with the cardiometabolic disease risk factor TMAO. <i>Physiological Genomics</i> , 2019, 51, 59-71. | 1.0 | 20 |
| 8 | Quantitative trait mapping in Diversity Outbred mice identifies two genomic regions associated with heart size. <i>Mammalian Genome</i> , 2018, 29, 80-89. | 1.0 | 27 |
| 9 | Biological/Genetic Regulation of Physical Activity Level. <i>Medicine and Science in Sports and Exercise</i> , 2018, 50, 863-873. | 0.2 | 80 |
| 10 | Improving Metabolic Health Through Precision Dietetics in Mice. <i>Genetics</i> , 2018, 208, 399-417. | 1.2 | 44 |
| 11 | Developmental constraint through negative pleiotropy in the zygomatic arch. <i>EvoDevo</i> , 2018, 9, 3. | 1.3 | 6 |
| 12 | CC002/Unc females are mouse models of exercise-induced paradoxical fat response. <i>Physiological Reports</i> , 2018, 6, e13716. | 0.7 | 9 |
| 13 | 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 |
| 14 | Systems genetics identifies a co-regulated module of liver microRNAs associated with plasma LDL cholesterol in murine diet-induced dyslipidemia. <i>Physiological Genomics</i> , 2017, 49, 618-629. | 1.0 | 13 |
| 15 | Aerobic exercise prevents rarefaction of pial collaterals and increased stroke severity that occur with aging. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2017, 37, 3544-3555. | 2.4 | 35 |
| 16 | Abstract 222: Exercise Training Prevents Rarefaction of Pial Collaterals, Promotes Cerebral Arterial Remodeling, and Lessens Severity of Stroke in Aging Brain. <i>Stroke</i> , 2017, 48, . | 1.0 | 0 |
| 17 | Long-term exercise in mice has sex-dependent benefits on body composition and metabolism during aging. <i>Physiological Reports</i> , 2016, 4, e13011. | 0.7 | 49 |
| 18 | <i>Drives Selfish Sweeps in the House Mouse. Molecular Biology and Evolution</i> , 2016, 33, 1381-1395. | 3.5 | 55 |

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|----|---|-----|-----------|
| 19 | The "Omics"™ of Voluntary Exercise: Systems Approaches to a Complex Phenotype. Trends in Endocrinology and Metabolism, 2015, 26, 673-675. | 3.1 | 9 |
| 20 | A Multi-Megabase Copy Number Gain Causes Maternal Transmission Ratio Distortion on Mouse Chromosome 2. PLoS Genetics, 2015, 11, e1004850. | 1.5 | 76 |
| 21 | Maternal exercise before and during pregnancy does not impact offspring exercise or body composition in mice. Journal of Negative Results in BioMedicine, 2015, 14, 13. | 1.4 | 12 |
| 22 | Quantitative Trait Locus Mapping Methods for Diversity Outbred Mice. G3: Genes, Genomes, Genetics, 2014, 4, 1623-1633. | 0.8 | 195 |
| 23 | Quantitative genomics of voluntary exercise in mice: transcriptional analysis and mapping of expression QTL in muscle. Physiological Genomics, 2014, 46, 593-601. | 1.0 | 34 |
| 24 | High-Resolution Genetic Mapping in the Diversity Outbred Mouse Population Identifies <i>Apobec1</i> as a Candidate Gene for Atherosclerosis. G3: Genes, Genomes, Genetics, 2014, 4, 2353-2363. | 0.8 | 46 |
| 25 | Quantitative trait loci for energy balance traits in an advanced intercross line derived from mice divergently selected for heat loss. PeerJ, 2014, 2, e392. | 0.9 | 3 |
| 26 | Quantitative trait loci for bone mineral density and femoral morphology in an advanced intercross population of mice. Bone, 2013, 55, 222-229. | 1.4 | 7 |
| 27 | Genetic determinants of voluntary exercise. Trends in Genetics, 2013, 29, 348-357. | 2.9 | 37 |
| 28 | A Novel Intronic Single Nucleotide Polymorphism in the <i>Myosin heavy polypeptide 4</i> Gene Is Responsible for the Mini-Muscle Phenotype Characterized by Major Reduction in Hind-Limb Muscle Mass in Mice. Genetics, 2013, 195, 1385-1395. | 1.2 | 36 |
| 29 | Functional Genomic Architecture of Predisposition to Voluntary Exercise in Mice: Expression QTL in the Brain. Genetics, 2012, 191, 643-654. | 1.2 | 31 |
| 30 | Exercise and diet affect quantitative trait loci for body weight and composition traits in an advanced intercross population of mice. Physiological Genomics, 2012, 44, 1141-1153. | 1.0 | 11 |
| 31 | Epistatic Control of Mammary Cancer Susceptibility in Mice may Depend on the Dietary Environment. Hereditary Genetics: Current Research, 2012, 01, 108. | 0.1 | 2 |
| 32 | Sex-, Diet-, and Cancer-Dependent Epistatic Effects on Complex Traits in Mice. Frontiers in Genetics, 2011, 2, 71. | 1.1 | 17 |
| 33 | Epistatic interactions of genes influence within-individual variation of physical activity traits in mice. Genetica, 2011, 139, 813-821. | 0.5 | 8 |
| 34 | Identification of quantitative trait loci influencing skeletal architecture in mice: Emergence of <i>Cdh11</i> as a primary candidate gene regulating femoral morphology. Journal of Bone and Mineral Research, 2011, 26, 2174-2183. | 3.1 | 26 |
| 35 | Genetic analysis of complex traits in the emerging Collaborative Cross. Genome Research, 2011, 21, 1213-1222. | 2.4 | 327 |
| 36 | Exercise, weight loss, and changes in body composition in mice: phenotypic relationships and genetic architecture. Physiological Genomics, 2011, 43, 199-212. | 1.0 | 41 |

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|----|--|-----|-----------|
| 37 | Mapping interacting QTL for count phenotypes using hierarchical Poisson and binomial models: an application to reproductive traits in mice. <i>Genetical Research</i> , 2010, 92, 13-23. | 0.3 | 3 |
| 38 | Genetic architecture of voluntary exercise in an advanced intercross line of mice. <i>Physiological Genomics</i> , 2010, 42, 190-200. | 1.0 | 55 |
| 39 | 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 |
| 40 | 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 |
| 41 | QTL Underlying Voluntary Exercise in Mice: Interactions with the "Mini Muscle" Locus and Sex. <i>Journal of Heredity</i> , 2010, 101, 42-53. | 1.0 | 54 |
| 42 | Individuality in gut microbiota composition is a complex polygenic trait shaped by multiple environmental and host genetic factors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 18933-18938. | 3.3 | 1,113 |
| 43 | Parent-of-origin effects on voluntary exercise levels and body composition in mice. <i>Physiological Genomics</i> , 2010, 40, 111-120. | 1.0 | 19 |
| 44 | Strain screen and haplotype association mapping of wheel running in inbred mouse strains. <i>Journal of Applied Physiology</i> , 2010, 109, 623-634. | 1.2 | 79 |
| 45 | Dopaminergic dysregulation in mice selectively bred for excessive exercise or obesity. <i>Behavioural Brain Research</i> , 2010, 210, 155-163. | 1.2 | 91 |
| 46 | Importance of randomization in microarray experimental designs with Illumina platforms. <i>Nucleic Acids Research</i> , 2009, 37, 5610-5618. | 6.5 | 29 |
| 47 | 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 |
| 48 | The use of plasmodes as a supplement to simulations: A simple example evaluating individual admixture estimation methodologies. <i>Computational Statistics and Data Analysis</i> , 2009, 53, 1755-1766. | 0.7 | 24 |
| 49 | Genotype—Diet interactions in mice predisposed to mammary cancer: II. Tumors and metastasis. <i>Mammalian Genome</i> , 2008, 19, 179-189. | 1.0 | 23 |
| 50 | Quantitative trait loci for physical activity traits in mice. <i>Physiological Genomics</i> , 2008, 32, 401-408. | 1.0 | 90 |
| 51 | Complex Genetics of Obesity in Mouse Models. <i>Annual Review of Nutrition</i> , 2008, 28, 331-345. | 4.3 | 36 |
| 52 | Phenotypic Effects of the "Mini-Muscle" Allele in a Large HR x C57BL/6J Mouse Backcross. <i>Journal of Heredity</i> , 2008, 99, 349-354. | 1.0 | 36 |
| 53 | An Epistatic Genetic Basis for Physical Activity Traits in Mice. <i>Journal of Heredity</i> , 2008, 99, 639-646. | 1.0 | 45 |
| 54 | Fine Mapping of "Mini-Muscle," a Recessive Mutation Causing Reduced Hindlimb Muscle Mass in Mice. <i>Journal of Heredity</i> , 2008, 99, 679-687. | 1.0 | 39 |

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|----|--|-----|-----------|
| 55 | Rescue of the Mouse DDK Syndrome by Parent-of-Origin-Dependent Modifiers1. <i>Biology of Reproduction</i> , 2007, 76, 286-293. | 1.2 | 5 |
| 56 | Collateral density, remodeling, and VEGF-A expression differ widely between mouse strains. <i>Physiological Genomics</i> , 2007, 30, 179-191. | 1.0 | 183 |
| 57 | Bayesian Mapping of Genomewide Interacting Quantitative Trait Loci for Ordinal Traits. <i>Genetics</i> , 2007, 176, 1855-1864. | 1.2 | 35 |
| 58 | An Efficient Bayesian Model Selection Approach for Interacting Quantitative Trait Loci Models With Many Effects. <i>Genetics</i> , 2007, 176, 1865-1877. | 1.2 | 73 |
| 59 | Fine Mapping of Mouse QTLs for Fatness Using SNP Data. <i>OMICS A Journal of Integrative Biology</i> , 2007, 11, 341-350. | 1.0 | 3 |
| 60 | Bayesian analyses of multiple epistatic QTL models for body weight and body composition in mice. <i>Genetical Research</i> , 2006, 87, 45-60. | 0.3 | 36 |
| 61 | Characterization of eight microsatellite loci in Grant's gazelle (<i>Gazella granti</i>). <i>Molecular Ecology Notes</i> , 2006, 6, 1150-1151. | 1.7 | 9 |
| 62 | Characterization of nine microsatellite loci in impala (<i>Aepyceros melampus</i>). <i>Molecular Ecology Notes</i> , 2006, 6, 1152-1153. | 1.7 | 1 |
| 63 | The contribution of epistatic pleiotropy to the genetic architecture of covariation among polygenic traits in mice. <i>Evolution & Development</i> , 2006, 8, 468-476. | 1.1 | 55 |
| 64 | Genetic variance and covariance patterns for body weight and energy balance characters in an advanced intercross population of mice. <i>Genetics Selection Evolution</i> , 2005, 37, 151-73. | 1.2 | 10 |
| 65 | Fine mapping of a QTL region with large effects on growth and fatness on mouse chromosome 2. <i>Physiological Genomics</i> , 2005, 21, 411-422. | 1.0 | 34 |
| 66 | Bayesian Model Selection for Genome-Wide Epistatic Quantitative Trait Loci Analysis. <i>Genetics</i> , 2005, 170, 1333-1344. | 1.2 | 120 |
| 67 | Genomic Mapping of Direct and Correlated Responses to Long-Term Selection for Rapid Growth Rate in Mice. <i>Genetics</i> , 2005, 170, 1863-1877. | 1.2 | 42 |
| 68 | Microarray Profiling for Differential Gene Expression in Ovaries and Ovarian Follicles of Pigs Selected for Increased Ovulation Rate. <i>Genetics</i> , 2004, 168, 1529-1537. | 1.2 | 44 |
| 69 | 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 |
| 70 | The M16 Mouse: An Outbred Animal Model of Early Onset Polygenic Obesity and Diabetes. <i>Obesity</i> , 2004, 12, 1397-1407. | 4.0 | 44 |
| 71 | Characterization of QTL with Major Effects on Fatness and Growth on Mouse Chromosome 2. <i>Obesity</i> , 2004, 12, 1408-1420. | 4.0 | 24 |
| 72 | A large-sample QTL study in mice: II. Body composition. <i>Mammalian Genome</i> , 2004, 15, 100-113. | 1.0 | 67 |

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|----|--|-----|-----------|
| 73 | A large-sample QTL study in mice: I. Growth. <i>Mammalian Genome</i> , 2004, 15, 83-99. | 1.0 | 70 |
| 74 | High-resolution comparative mapping of pig Chromosome 4, emphasizing the FAT1 region. <i>Mammalian Genome</i> , 2004, 15, 717-731. | 1.0 | 25 |
| 75 | Generation and sequence characterization of a normalized cDNA library from swine ovarian follicles. <i>Mammalian Genome</i> , 2003, 14, 65-70. | 1.0 | 26 |
| 76 | EST-based gene discovery in pig: virtual expression patterns and comparative mapping to human. <i>Mammalian Genome</i> , 2003, 14, 565-579. | 1.0 | 54 |
| 77 | The nature and identification of quantitative trait loci: a community's view. <i>Nature Reviews Genetics</i> , 2003, 4, 911-916. | 7.7 | 390 |
| 78 | Patterns of Cellular Gene Expression in Cells Infected with Cytopathic or Non-cytopathic Bovine Viral Diarrhea Virus. <i>Animal Biotechnology</i> , 2003, 14, 31-49. | 0.7 | 5 |
| 79 | Evaluation of hypothalamic gene expression in mice divergently selected for heat loss. <i>Physiological Genomics</i> , 2003, 13, 129-137. | 1.0 | 20 |
| 80 | Pleiotropy of quantitative trait loci for organ weights and limb bone lengths in mice. <i>Physiological Genomics</i> , 2002, 10, 21-29. | 1.0 | 47 |
| 81 | Differential expression of NAT1 translational repressor during development of bovine intramuscular adipocytes. <i>Physiological Genomics</i> , 2002, 10, 49-56. | 1.0 | 14 |
| 82 | COMPARATIVE MAPPING OF RPL3, A GENE OVEREXPRESSED IN MULTIPLE OBESITY MODELS. <i>Animal Biotechnology</i> , 2001, 12, 167-171. | 0.7 | 5 |
| 83 | Quantitative trait loci for directional but not fluctuating asymmetry of mandible characters in mice. <i>Genetical Research</i> , 2000, 76, 27-40. | 0.3 | 46 |
| 84 | Gene expression in hypothalamus and brown adipose tissue of mice divergently selected for heat loss. <i>Physiological Genomics</i> , 2000, 3, 149-156. | 1.0 | 17 |
| 85 | Comparative mapping of 18 equine type I genes assigned by somatic cell hybrid analysis. <i>Mammalian Genome</i> , 1999, 10, 271-276. | 1.0 | 21 |
| 86 | Animal models of obesity. <i>Trends in Molecular Medicine</i> , 1999, 5, 459-460. | 2.6 | 8 |
| 87 | Quantitative Genetics of Energy Balance—Lessons from Animal Models. <i>Obesity</i> , 1999, 7, 106-110. | 4.0 | 15 |
| 88 | Ontogeny of Elongation and Gene Expression in the Early Developing Porcine Conceptus ¹ . <i>Biology of Reproduction</i> , 1997, 57, 1256-1265. | 1.2 | 80 |
| 89 | Detection of Transcripts for Retinoic Acid Receptors, Retinol-Binding Protein, and Transforming Growth Factors during Rapid Trophoblastic Elongation in the Porcine Conceptus ¹ . <i>Biology of Reproduction</i> , 1997, 57, 286-294. | 1.2 | 59 |
| 90 | Genetic dissection of obesity in polygenic animal models. <i>Behavior Genetics</i> , 1997, 27, 285-306. | 1.4 | 79 |

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|----|---|-----|-----------|
| 91 | Mapping of the melatonin receptor 1a (MTNR1A) gene in pigs, sheep, and cattle. <i>Mammalian Genome</i> , 1997, 8, 368-370. | 1.0 | 84 |
| 92 | Development of obesity following inactivation of a growth hormone transgene in mice. <i>Transgenic Research</i> , 1996, 5, 13-23. | 1.3 | 41 |
| 93 | Rescue of Pregnancy and Maintenance of Corpora Lutea in Infertile Transgenic Mice Expressing an Ovine Metallothionein 1a-Ovine Growth Hormone Fusion Gene1. <i>Biology of Reproduction</i> , 1995, 52, 170-178. | 1.2 | 22 |
| 94 | Regulation of insulin-like growth factor-I and binding protein-3 expression in oMtl-a-oGH transgenic mice. <i>Transgenic Research</i> , 1994, 3, 127-133. | 1.3 | 18 |
| 95 | Growth, feed efficiency and body composition of transgenic mice expressing a sheep metallothionein 1a-sheep growth hormone fusion gene. <i>Livestock Science</i> , 1992, 31, 335-350. | 1.2 | 32 |
| 96 | Genetic Control of Survival of Frozen Mouse Embryos1. <i>Biology of Reproduction</i> , 1990, 42, 775-786. | 1.2 | 28 |