

Melinda R Dwinell

List of Publications by Year in descending order

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Version: 2024-02-01

49
papers

3,288
citations

623734

14
h-index

361022

35
g-index

49
all docs

49
docs citations

49
times ranked

5521
citing authors

#	ARTICLE	IF	CITATIONS
1	MOET: a web-based gene set enrichment tool at the Rat Genome Database for multiontology and multispecies analyses. <i>Genetics</i> , 2022, 220, .	2.9	7
2	Btg2 mutation induces renal injury and impairs blood pressure control in female rats. <i>Physiological Genomics</i> , 2022, , .	2.3	1
3	Hybrid Rat Diversity Program (HRDP): A rat resource for mapping complex traits. <i>FASEB Journal</i> , 2022, 36, .	0.5	0
4	Robust and replicable measurement for prepulse inhibition of the acoustic startle response. <i>Molecular Psychiatry</i> , 2021, 26, 1909-1927.	7.9	18
5	Sexual Dimorphic Role of CD14 (Cluster of Differentiation 14) in Salt-Sensitive Hypertension and Renal Injury. <i>Hypertension</i> , 2021, 77, 228-240.	2.7	7
6	The NIH Somatic Cell Genome Editing program. <i>Nature</i> , 2021, 592, 195-204.	27.8	84
7	The genome sequence of the Norway rat, <i>Rattus norvegicus</i> Berkenhout 1769. <i>Wellcome Open Research</i> , 2021, 6, 118.	1.8	16
8	The Gene Ontology resource: enriching a GOld mine. <i>Nucleic Acids Research</i> , 2021, 49, D325-D334.	14.5	2,416
9	The Year of the Rat: The Rat Genome Database at 20: a multi-species knowledgebase and analysis platform. <i>Nucleic Acids Research</i> , 2020, 48, D731-D742.	14.5	92
10	Mutation of ROR β T reveals a role for Th17 cells in both injury and recovery from renal ischemia-reperfusion injury. <i>American Journal of Physiology - Renal Physiology</i> , 2020, 319, F796-F808.	2.7	12
11	Transcriptional analysis of the multiple Sry genes and developmental program at the onset of testis differentiation in the rat. <i>Biology of Sex Differences</i> , 2020, 11, 28.	4.1	5
12	Chromosomal Substitution Strategies to Localize Genomic Regions Related to Complex Traits. , 2020, 10, 365-388.		6
13	Hybrid Rat Diversity Program (HRDP): A rat resource for mapping complex traits. <i>FASEB Journal</i> , 2020, 34, 1-1.	0.5	0
14	Abstract P124: Blood Pressure Characterization In <i>Btg2</i> Mutant Rat. <i>Hypertension</i> , 2020, 76, .	2.7	0
15	Precision Medicine and Precision Public Health: Academic Education and Community Engagement. <i>American Journal of Preventive Medicine</i> , 2019, 57, 286-289.	3.0	5
16	The Rat: A Model Used in Biomedical Research. <i>Methods in Molecular Biology</i> , 2019, 2018, 1-41.	0.9	23
17	Quantitative phenotype analysis to identify, validate and compare rat disease models. <i>Database: the Journal of Biological Databases and Curation</i> , 2019, 2019, .	3.0	3
18	Identification of a Rat Mammary Tumor Risk Locus That Is Syntenic with the Commonly Amplified 8q12.1 and 8q22.1 Regions in Human Breast Cancer Patients. <i>G3: Genes, Genomes, Genetics</i> , 2019, 9, 1739-1743.	1.8	5

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19	Integrated curation and data mining for disease and phenotype models at the Rat Genome Database. Database: the Journal of Biological Databases and Curation, 2019, 2019, .	3.0	5
20	Rat Genome Databases, Repositories, and Tools. Methods in Molecular Biology, 2019, 2018, 71-96.	0.9	14
21	Hybrid Rat Diversity Program (HRDP): A Rat Resource for Systems Genetics. FASEB Journal, 2019, 33, 595.5.	0.5	1
22	A Primer for the Rat Genome Database (RGD). Methods in Molecular Biology, 2018, 1757, 163-209.	0.9	11
23	Gene Editing Rat Resource Center (GERRC): Rat models for heart, lung and blood studies. FASEB Journal, 2018, 32, 586.13.	0.5	0
24	Host genetic modifiers of nonproductive angiogenesis inhibit breast cancer. Breast Cancer Research and Treatment, 2017, 165, 53-64.	2.5	19
25	Lung injury pathways: Adenosine receptor 2B signaling limits development of ischemic bronchiolitis obliterans organizing pneumonia. Experimental Lung Research, 2017, 43, 38-48.	1.2	7
26	Haploid embryonic stem cell lines derived from androgenetic and parthenogenetic rat blastocysts. Journal of Reproduction and Development, 2017, 63, 611-616.	1.4	4
27	Ndufc2 Gene Inhibition Is Associated With Mitochondrial Dysfunction and Increased Stroke Susceptibility in an Animal Model of Complex Human Disease. Journal of the American Heart Association, 2016, 5, .	3.7	43
28	The Disease Portals, disease gene annotation and the RGD disease ontology at the Rat Genome Database. Database: the Journal of Biological Databases and Curation, 2016, 2016, baw034.	3.0	20
29	Exploring human disease using the Rat Genome Database. DMM Disease Models and Mechanisms, 2016, 9, 1089-1095.	2.4	27
30	Report of the National Heart, Lung, and Blood Institute Working Group on Sex Differences Research in Cardiovascular Disease. Hypertension, 2016, 67, 802-807.	2.7	58
31	Comprehensive coverage of cardiovascular disease data in the disease portals at the Rat Genome Database. Physiological Genomics, 2016, 48, 589-600.	2.3	3
32	Disease, Models, Variants and Altered Pathways – Journeying RGD Through the Magnifying Glass. Computational and Structural Biotechnology Journal, 2016, 14, 35-48.	4.1	4
33	The phenotypic impact of the male-specific region of chromosome-Y in inbred mating: the role of genetic variants and gene duplications in multiple inbred rat strains. Biology of Sex Differences, 2016, 7, 10.	4.1	15
34	Rat Breeding Parameters According to Floor Space Available in Cage. Journal of the American Association for Laboratory Animal Science, 2016, 55, 21-4.	1.2	3
35	OntoMate: a text-mining tool aiding curation at the Rat Genome Database. Database: the Journal of Biological Databases and Curation, 2015, 2015, .	3.0	21
36	The Rat Genome Database 2015: genomic, phenotypic and environmental variations and disease. Nucleic Acids Research, 2015, 43, D743-D750.	14.5	213

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37	PhenoMiner: a quantitative phenotype database for the laboratory rat, <i>Rattus norvegicus</i> . Application in hypertension and renal disease. Database: the Journal of Biological Databases and Curation, 2015, .	3.0	11
38	Characterization of Dahl salt-sensitive rats with genetic disruption of the A2B adenosine receptor gene: implications for A2B adenosine receptor signaling during hypertension. Purinergic Signalling, 2015, 11, 519-531.	2.2	9
39	Genomic and Phenotypic Rat Strain Profiles for Disease Model Identification. FASEB Journal, 2015, 29, 814.4.	0.5	0
40	fMRI and fcMRI phenotypes map the genomic effect of chromosome 13 in Brown Norway and Dahl salt-sensitive rats. NeuroImage, 2014, 90, 403-412.	4.2	5
41	Research community driven development to genetically modify rat models for heart, lung, blood and sleep disorders (1121.3). FASEB Journal, 2014, 28, 1121.3.	0.5	0
42	PhenoMiner: an interactive tool for physiologists integrating phenotype data using multiple ontologies. FASEB Journal, 2012, 26, 717.1.	0.5	0
43	The emerging role for rat models in gene discovery. Mammalian Genome, 2011, 22, 466-475.	2.2	25
44	Gene Curation Software at the Rat Genome Database (RGD). Nature Precedings, 2010, , .	0.1	0
45	The Rat Genome Database 2009: variation, ontologies and pathways. Nucleic Acids Research, 2009, 37, D744-D749.	14.5	70
46	Differences between two inbred rat strains in number of neurons expressing K ⁺ ion channels in the medullary raphe nucleus (MRN). FASEB Journal, 2009, 23, 621.4.	0.5	0
47	Physiology Pathway diagrams: new interactive online tools that provide efficient access to genomic and phenomic information through biological pathway analysis.. FASEB Journal, 2009, 23, 801.4.	0.5	0
48	The Phenotypes and Models Portal at RGD: a new interactive tool for physiologists linking genotype to phenotype and disease. FASEB Journal, 2009, 23, 801.5.	0.5	0
49	High-throughput Production and Phenotyping of Rat Knockout Models for Hypertension. FASEB Journal, 2007, 21, A1236.	0.5	0