Melinda R Dwinell

List of Publications by Year
in descending order

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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	The Gene Ontology resource: enriching a GOld mine. Nucleic Acids Research, 2021, 49, D325-D334.	14.5	2,416
2	The Rat Genome Database 2015: genomic, phenotypic and environmental variations and disease. Nucleic Acids Research, 2015, 43, D743-D750.	14.5	213
3	The Year of the Rat: The Rat Genome Database at 20: a multi-species knowledgebase and analysis platform. Nucleic Acids Research, 2020, 48, D731-D742.	14.5	92
4	The NIH Somatic Cell Genome Editing program. Nature, 2021, 592, 195-204.	27.8	84
5	The Rat Genome Database 2009: variation, ontologies and pathways. Nucleic Acids Research, 2009, 37, D744-D749.	14.5	70
6	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
7	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
8	Exploring human disease using the Rat Genome Database. DMM Disease Models and Mechanisms, 2016, 9, 1089-1095.	2.4	27
9	The emerging role for rat models in gene discovery. Mammalian Genome, 2011, 22, 466-475.	2.2	25
10	The Rat: A Model Used in Biomedical Research. Methods in Molecular Biology, 2019, 2018, 1-41.	0.9	23
11	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
12	The Disease Portals, diseaseâ€“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
13	Host genetic modifiers of nonproductive angiogenesis inhibit breast cancer. Breast Cancer Research and Treatment, 2017, 165, 53-64.	2.5	19
14	Robust and replicable measurement for prepulse inhibition of the acoustic startle response. Molecular Psychiatry, 2021, 26, 1909-1927.	7.9	18
15	The genome sequence of the Norway rat, Rattus norvegicus Berkenhout 1769. Wellcome Open Research, 2021, 6, 118.	1.8	16
16	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
17	Rat Genome Databases, Repositories, and Tools. Methods in Molecular Biology, 2019, 2018, 71-96.	0.9	14
18	Mutation of RORÎ³T reveals a role for Th17 cells in both injury and recovery from renal ischemia-reperfusion injury. American Journal of Physiology - Renal Physiology, 2020, 319, F796-F808.	2.7	12

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19	PhenoMiner: a quantitative phenotype database for the laboratory rat, Rattus norvegicus . Application in hypertension and renal disease. Database: the Journal of Biological Databases and Curation, 2015, 2015, .	3.0	11
20	A Primer for theÂRat Genome Database (RGD). Methods in Molecular Biology, 2018, 1757, 163-209.	0.9	11
21	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
22	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
23	Sexual Dimorphic Role of CD14 (Cluster of Differentiation 14) in Salt-Sensitive Hypertension and Renal Injury. Hypertension, 2021, 77, 228-240.	2.7	7
24	MOET: a web-based gene set enrichment tool at the Rat Genome Database for multiontology and multispecies analyses. Genetics, 2022, 220, .	2.9	7
25	Chromosomal Substitution Strategies to Localize Genomic Regions Related to Complex Traits. , 2020, 10, 365-388.		6
26	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
27	Precision Medicine and Precision Public Health: Academic Education and Community Engagement. American Journal of Preventive Medicine, 2019, 57, 286-289.	3.0	5
28	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. G3: Genes, Genomes, Genetics, 2019, 9, 1739-1743.	1.8	5
29	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
30	Transcriptional analysis of the multiple Sry genes and developmental program at the onset of testis differentiation in the rat. Biology of Sex Differences, 2020, 11, 28.	4.1	5
31	Disease, Models, Variants and Altered Pathwaysâ€"Journeying RGD Through the Magnifying Glass. Computational and Structural Biotechnology Journal, 2016, 14, 35-48.	4.1	4
32	Haploid embryonic stem cell lines derived from androgenetic and parthenogenetic rat blastocysts. Journal of Reproduction and Development, 2017, 63, 611-616.	1.4	4
33	Comprehensive coverage of cardiovascular disease data in the disease portals at the Rat Genome Database. Physiological Genomics, 2016, 48, 589-600.	2.3	3
34	Quantitative phenotype analysis to identify, validate and compare rat disease models. Database: the Journal of Biological Databases and Curation, 2019, 2019, .	3.0	3
35	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
36	Hybrid Rat Diversity Program (HRDP): A Rat Resource for Systems Genetics. FASEB Journal, 2019, 33, 595.5.	0.5	1

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37	Btg2 mutation induces renal injury and impairs blood pressure control in female rats. Physiological Genomics, 2022, , .	2.3	1
38	Gene Curation Software at the Rat Genome Database (RGD). Nature Precedings, 2010, , .	0.1	0
39	Highâ€Throughput Production and Phenotyping of Rat Knockout Models for Hypertension. FASEB Journal, 2007, 21, A1236.	0.5	0
40	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
41	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
42	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
43	PhenoMiner: an interactive tool for physiologists integrating phenotype data using multiple ontologies. FASEB Journal, 2012, 26, 717.1.	0.5	0
44	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
45	Genomic and Phenotypic Rat Strain Profiles for Disease Model Identification. FASEB Journal, 2015, 29, 814.4.	0.5	0
46	Gene Editing Rat Resource Center (GERRC): Rat models for heart, lung and blood studies. FASEB Journal, 2018, 32, 586.13.	0.5	0
47	Hybrid Rat Diversity Program (HRDP): A rat resource for mapping complex traits. FASEB Journal, 2020, 34, 1-1.	0.5	0
48	Abstract P124: Blood Pressure Characterization In Btg2 Mutant Rat. Hypertension, 2020, 76, .	2.7	0
49	Hybrid Rat Diversity Program (HRDP): A rat resource for mapping complex traits. FASEB Journal, 2022, 36, .	0.5	0