

Rajni Nigam

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

913
citations

471509

17
h-index

580821

25
g-index

30
all docs

30
docs citations

30
times ranked

1861
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | The Rat Genome Database 2015: genomic, phenotypic and environmental variations and disease. <i>Nucleic Acids Research</i> , 2015, 43, D743-D750. | 14.5 | 213 |
| 2 | Rat Genome Database (RGD): mapping disease onto the genome. <i>Nucleic Acids Research</i> , 2002, 30, 125-128. | 14.5 | 96 |
| 3 | The pathway ontology " updates and applications. <i>Journal of Biomedical Semantics</i> , 2014, 5, 7. | 1.6 | 83 |
| 4 | The Rat Genome Database 2013--data, tools and users. <i>Briefings in Bioinformatics</i> , 2013, 14, 520-526. | 6.5 | 62 |
| 5 | The Rat Genome Database (RGD): developments towards a phenome database. <i>Nucleic Acids Research</i> , 2004, 33, D485-D491. | 14.5 | 56 |
| 6 | Three Ontologies to Define Phenotype Measurement Data. <i>Frontiers in Genetics</i> , 2012, 3, 87. | 2.3 | 48 |
| 7 | The Vertebrate Trait Ontology: a controlled vocabulary for the annotation of trait data across species. <i>Journal of Biomedical Semantics</i> , 2013, 4, 13. | 1.6 | 42 |
| 8 | The clinical measurement, measurement method and experimental condition ontologies: expansion, improvements and new applications. <i>Journal of Biomedical Semantics</i> , 2013, 4, 26. | 1.6 | 32 |
| 9 | Exploring human disease using the Rat Genome Database. <i>DMM Disease Models and Mechanisms</i> , 2016, 9, 1089-1095. | 2.4 | 27 |
| 10 | Tools and strategies for physiological genomics: the Rat Genome Database. <i>Physiological Genomics</i> , 2005, 23, 246-256. | 2.3 | 25 |
| 11 | Rat Genome Database: a unique resource for rat, human, and mouse quantitative trait locus data. <i>Physiological Genomics</i> , 2013, 45, 809-816. | 2.3 | 25 |
| 12 | PhenoMiner: quantitative phenotype curation at the rat genome database. <i>Database: the Journal of Biological Databases and Curation</i> , 2013, 2013, bat015. | 3.0 | 24 |
| 13 | RGD: A comparative genomics platform. <i>Human Genomics</i> , 2011, 5, 124-9. | 2.9 | 23 |
| 14 | OntoMate: a text-mining tool aiding curation at the Rat Genome Database. <i>Database: the Journal of Biological Databases and Curation</i> , 2015, 2015, . | 3.0 | 21 |
| 15 | Ontology searching and browsing at the Rat Genome Database. <i>Database: the Journal of Biological Databases and Curation</i> , 2012, 2012, bas016-bas016. | 3.0 | 20 |
| 16 | The Disease Portals, disease"gene annotation and the RGD disease ontology at the Rat Genome Database. <i>Database: the Journal of Biological Databases and Curation</i> , 2016, 2016, baw034. | 3.0 | 20 |
| 17 | The Rat Genome Database Curators: Who, What, Where, Why. <i>PLoS Computational Biology</i> , 2009, 5, e1000582. | 3.2 | 19 |
| 18 | Exploring Genetic, Genomic, and Phenotypic Data at the Rat Genome Database. <i>Current Protocols in Bioinformatics</i> , 2012, 40, Unit1.14. | 25.8 | 16 |

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|----|--|-----|-----------|
| 19 | Rat Strain Ontology: structured controlled vocabulary designed to facilitate access to strain data at RGD. <i>Journal of Biomedical Semantics</i> , 2013, 4, 36. | 1.6 | 13 |
| 20 | The Rat Genome Database curation tool suite: a set of optimized software tools enabling efficient acquisition, organization, and presentation of biological data. <i>Database: the Journal of Biological Databases and Curation</i> , 2011, 2011, bar002-bar002. | 3.0 | 12 |
| 21 | Analysis of disease-associated objects at the Rat Genome Database. <i>Database: the Journal of Biological Databases and Curation</i> , 2013, 2013, bat046. | 3.0 | 11 |
| 22 | PhenoMiner: a quantitative phenotype database for the laboratory rat, <i>Rattus norvegicus</i> . Application in hypertension and renal disease. <i>Database: the Journal of Biological Databases and Curation</i> , 2015, 2015, . | 3.0 | 11 |
| 23 | Disease pathways at the Rat Genome Database Pathway Portal: genes in context-a network approach to understanding the molecular mechanisms of disease. <i>Human Genomics</i> , 2014, 8, 17. | 2.9 | 7 |
| 24 | Disease, Models, Variants and Altered Pathwaysâ€”Journeying RGD Through the Magnifying Glass. <i>Computational and Structural Biotechnology Journal</i> , 2016, 14, 35-48. | 4.1 | 4 |
| 25 | Comprehensive coverage of cardiovascular disease data in the disease portals at the Rat Genome Database. <i>Physiological Genomics</i> , 2016, 48, 589-600. | 2.3 | 3 |
| 26 | Gene Curation Software at the Rat Genome Database (RGD). <i>Nature Precedings</i> , 2010, , . | 0.1 | 0 |
| 27 | Model Organism Databases in Behavioral Neuroscience. <i>International Review of Neurobiology</i> , 2012, 104, 25-46. | 2.0 | 0 |
| 28 | The Phenotypes and Models Portal at RGD: a new interactive tool for physiologists linking genotype to phenotype and disease. <i>FASEB Journal</i> , 2009, 23, 801.5. | 0.5 | 0 |
| 29 | PhenoMiner: an interactive tool for physiologists integrating phenotype data using multiple ontologies. <i>FASEB Journal</i> , 2012, 26, 717.1. | 0.5 | 0 |
| 30 | Building better animal models of disease through integration of multiple disease phenotypes. <i>FASEB Journal</i> , 2013, 27, 1213.3. | 0.5 | 0 |