

Judith A Blake

List of Publications by Year in descending order

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101
papers

47,361
citations

47409

49
h-index

43601

95
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117
all docs

117
docs citations

117
times ranked

76175
citing authors

#	ARTICLE	IF	CITATIONS
1	Mouse Genome Informatics (MGI): latest news from MGD and GXD. <i>Mammalian Genome</i> , 2022, 33, 4-18.	1.0	30
2	Harmonizing model organism data in the Alliance of Genome Resources. <i>Genetics</i> , 2022, 220, .	1.2	52
3	Reactome and the Gene Ontology: digital convergence of data resources. <i>Bioinformatics</i> , 2021, 37, 3343-3348.	1.8	19
4	Mouse Genome Database (MGD): Knowledgebase for mouseâ€™human comparative biology. <i>Nucleic Acids Research</i> , 2021, 49, D981-D987.	6.5	179
5	The Gene Ontology resource: enriching a GOld mine. <i>Nucleic Acids Research</i> , 2021, 49, D325-D334.	6.5	2,416
6	Alliance of Genome Resources Portal: unified model organism research platform. <i>Nucleic Acids Research</i> , 2020, 48, D650-D658.	6.5	145
7	Investigation of COVID-19 comorbidities reveals genes and pathways coincident with the SARS-CoV-2 viral disease. <i>Scientific Reports</i> , 2020, 10, 20848.	1.6	32
8	Cisplatin-resistant triple-negative breast cancer subtypes: multiple mechanisms of resistance. <i>BMC Cancer</i> , 2019, 19, 1039.	1.1	77
9	An effective biomedical document classification scheme in support of biocuration: addressing class imbalance. <i>Database: the Journal of Biological Databases and Curation</i> , 2019, 2019, .	1.4	15
10	Curating gene sets: challenges and opportunities for integrative analysis. <i>Database: the Journal of Biological Databases and Curation</i> , 2019, 2019, .	1.4	5
11	RNAcentral: a hub of information for non-coding RNA sequences. <i>Nucleic Acids Research</i> , 2019, 47, D221-D229.	6.5	153
12	Mouse Genome Database (MGD) 2019. <i>Nucleic Acids Research</i> , 2019, 47, D801-D806.	6.5	625
13	Improving Interpretation of Cardiac Phenotypes and Enhancing Discovery With Expanded Knowledge in the Gene Ontology. <i>Circulation Genomic and Precision Medicine</i> , 2018, 11, e001813.	1.6	24
14	Model organism data evolving in support of translational medicine. <i>Lab Animal</i> , 2018, 47, 277-289.	0.2	35
15	Mouse Genome Database (MGD)-2018: knowledgebase for the laboratory mouse. <i>Nucleic Acids Research</i> , 2018, 46, D836-D842.	6.5	241
16	Protein Ontology (PRO): enhancing and scaling up the representation of protein entities. <i>Nucleic Acids Research</i> , 2017, 45, D339-D346.	6.5	73
17	Mouse Genome Database (MGD)-2017: community knowledge resource for the laboratory mouse. <i>Nucleic Acids Research</i> , 2017, 45, D723-D729.	6.5	255
18	Mouse Genome Informatics (MGI): Resources for Mining Mouse Genetic, Genomic, and Biological Data in Support of Primary and Translational Research. <i>Methods in Molecular Biology</i> , 2017, 1488, 47-73.	0.4	76

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19	The Non-Coding RNA Ontology (NCRO): a comprehensive resource for the unification of non-coding RNA biology. <i>Journal of Biomedical Semantics</i> , 2016, 7, 24.	0.9	10
20	The Cell Ontology 2016: enhanced content, modularization, and ontology interoperability. <i>Journal of Biomedical Semantics</i> , 2016, 7, 44.	0.9	201
21	The development of non-coding RNA ontology. <i>International Journal of Data Mining and Bioinformatics</i> , 2016, 15, 214.	0.1	9
22	Gene regulation knowledge commons: community action takes care of DNA binding transcription factors. <i>Database: the Journal of Biological Databases and Curation</i> , 2016, 2016, baw088.	1.4	12
23	Modeling biochemical pathways in the gene ontology. <i>Database: the Journal of Biological Databases and Curation</i> , 2016, 2016, baw126.	1.4	11
24	OmniSearch: a semantic search system based on the Ontology for MicroRNA Target (OMIT) for microRNA-target gene interaction data. <i>Journal of Biomedical Semantics</i> , 2016, 7, 25.	0.9	27
25	Mouse genome database 2016. <i>Nucleic Acids Research</i> , 2016, 44, D840-D847.	6.5	80
26	Mouse Genome Database: From sequence to phenotypes and disease models. <i>Genesis</i> , 2015, 53, 458-473.	0.8	13
27	The Mouse Genome Database (MGD): facilitating mouse as a model for human biology and disease. <i>Nucleic Acids Research</i> , 2015, 43, D726-D736.	6.5	335
28	A semantic approach for knowledge capture of MicroRNA-Target gene interactions. , 2015, , .		10
29	A domain ontology for the Non-Coding RNA field. , 2015, , .		0
30	Finding Our Way through Phenotypes. <i>PLoS Biology</i> , 2015, 13, e1002033.	2.6	178
31	Application of comparative biology in GO functional annotation: the mouse model. <i>Mammalian Genome</i> , 2015, 26, 574-583.	1.0	11
32	Orthology for comparative genomics in the mouse genome database. <i>Mammalian Genome</i> , 2015, 26, 305-313.	1.0	9
33	Mouse Genome Informatics (MGI): reflecting on 25 years. <i>Mammalian Genome</i> , 2015, 26, 272-284.	1.0	34
34	Representing Kidney Development Using the Gene Ontology. <i>PLoS ONE</i> , 2014, 9, e99864.	1.1	17
35	OMIT: Dynamic, Semi-Automated Ontology Development for the microRNA Domain. <i>PLoS ONE</i> , 2014, 9, e100855.	1.1	18
36	Methodology for the inference of gene function from phenotype data. <i>BMC Bioinformatics</i> , 2014, 15, 405.	1.2	5

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37	Protein Ontology: a controlled structured network of protein entities. Nucleic Acids Research, 2014, 42, D415-D421.	6.5	63
38	Standardized description of scientific evidence using the Evidence Ontology (ECO). Database: the Journal of Biological Databases and Curation, 2014, 2014, bau075-bau075.	1.4	95
39	A promoter-level mammalian expression atlas. Nature, 2014, 507, 462-470.	13.7	1,838
40	DFLAT: functional annotation for human development. BMC Bioinformatics, 2014, 15, 45.	1.2	27
41	A method for increasing expressivity of Gene Ontology annotations using a compositional approach. BMC Bioinformatics, 2014, 15, 155.	1.2	78
42	The Mouse Genome Database: integration of and access to knowledge about the laboratory mouse. Nucleic Acids Research, 2014, 42, D810-D817.	6.5	196
43	Ontology based molecular signatures for immune cell types via gene expression analysis. BMC Bioinformatics, 2013, 14, 263.	1.2	13
44	Gene Ontology annotation of sequence-specific DNA binding transcription factors: setting the stage for a large-scale curation effort. Database: the Journal of Biological Databases and Curation, 2013, 2013, bat062-bat062.	1.4	33
45	Ten Quick Tips for Using the Gene Ontology. PLoS Computational Biology, 2013, 9, e1003343.	1.5	45
46	The Mouse Genome Database: Genotypes, Phenotypes, and Models of Human Disease. Nucleic Acids Research, 2013, 41, D885-D891.	6.5	61
47	On the Use of Gene Ontology Annotations to Assess Functional Similarity among Orthologs and Paralogs: A Short Report. PLoS Computational Biology, 2012, 8, e1002386.	1.5	91
48	Manual Gene Ontology annotation workflow at the Mouse Genome Informatics Database. Database: the Journal of Biological Databases and Curation, 2012, 2012, bas045-bas045.	1.4	19
49	A Resource of Quantitative Functional Annotation for Homo sapiens Genes. G3: Genes, Genomes, Genetics, 2012, 2, 223-233.	0.8	6
50	An ontology-based MicroRNA knowledge sharing and acquisition framework. , 2012, , .		6
51	The Mouse Genome Database (MGD): comprehensive resource for genetics and genomics of the laboratory mouse. Nucleic Acids Research, 2012, 40, D881-D886.	6.5	233
52	Disease model curation improvements at Mouse Genome Informatics. Database: the Journal of Biological Databases and Curation, 2012, 2012, bar063-bar063.	1.4	10
53	Providing the Missing Link: the Exposure Science Ontology ExO. Environmental Science & Technology, 2012, 46, 3046-3053.	4.6	57
54	Concept annotation in the CRAFT corpus. BMC Bioinformatics, 2012, 13, 161.	1.2	188

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55	The Mouse Genome Database (MGD): premier model organism resource for mammalian genomics and genetics. <i>Nucleic Acids Research</i> , 2011, 39, D842-D848.	6.5	228
56	Hematopoietic cell types: Prototype for a revised cell ontology. <i>Journal of Biomedical Informatics</i> , 2011, 44, 75-79.	2.5	35
57	Autism candidate genes via mouse phenomics. <i>Journal of Biomedical Informatics</i> , 2011, 44, S5-S11.	2.5	16
58	The representation of protein complexes in the Protein Ontology (PRO). <i>BMC Bioinformatics</i> , 2011, 12, 371.	1.2	14
59	Logical Development of the Cell Ontology. <i>BMC Bioinformatics</i> , 2011, 12, 6.	1.2	117
60	The Protein Ontology: a structured representation of protein forms and complexes. <i>Nucleic Acids Research</i> , 2011, 39, D539-D545.	6.5	102
61	Ontology engineering. <i>Nature Biotechnology</i> , 2010, 28, 128-130.	9.4	113
62	The Mouse Genome Database: enhancements and updates. <i>Nucleic Acids Research</i> , 2010, 38, D586-D592.	6.5	78
63	The Mouse Genome Database genotypes::phenotypes. <i>Nucleic Acids Research</i> , 2009, 37, D712-D719.	6.5	101
64	The Gene Ontology's Reference Genome Project: A Unified Framework for Functional Annotation across Species. <i>PLoS Computational Biology</i> , 2009, 5, e1000431.	1.5	148
65	Using ontology visualization to facilitate access to knowledge about human disease genes. <i>Applied Ontology</i> , 2009, 4, 35-49.	1.0	3
66	TGF-beta signaling proteins and the Protein Ontology. <i>BMC Bioinformatics</i> , 2009, 10, S3.	1.2	9
67	Access to immunology through the Gene Ontology. <i>Immunology</i> , 2008, 125, 154-160.	2.0	33
68	Gene Ontology annotations: what they mean and where they come from. <i>BMC Bioinformatics</i> , 2008, 9, S2.	1.2	124
69	The Gene Ontology (GO) Project: Structured Vocabularies for Molecular Biology and Their Application to Genome and Expression Analysis. <i>Current Protocols in Bioinformatics</i> , 2008, 23, Unit 7.2.	25.8	94
70	A critical assessment of <i>Mus musculus</i> gene function prediction using integrated genomic evidence. <i>Genome Biology</i> , 2008, 9, S2.	13.9	214
71	An en masse phenotype and function prediction system for <i>Mus musculus</i> . <i>Genome Biology</i> , 2008, 9, S8.	13.9	20
72	Using bio-ontologies as data annotation, integration & analytical tools at the Mouse Genome Informatics resource. , 2008, , .		1

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73	Ontology development for biological systems: immunology. <i>Bioinformatics</i> , 2007, 23, 913-915.	1.8	49
74	The mouse genome database (MGD): new features facilitating a model system. <i>Nucleic Acids Research</i> , 2007, 35, D630-D637.	6.5	100
75	Mouse Genome Informatics (MGI) Resources for Pathology and Toxicology. <i>Toxicologic Pathology</i> , 2007, 35, 456-457.	0.9	27
76	The Mouse Genome Database (MGD): mouse biology and model systems. <i>Nucleic Acids Research</i> , 2007, 36, D724-D728.	6.5	365
77	Beyond the data deluge: Data integration and bio-ontologies. <i>Journal of Biomedical Informatics</i> , 2006, 39, 314-320.	2.5	128
78	The Mouse Genome Database (MGD): updates and enhancements. <i>Nucleic Acids Research</i> , 2006, 34, D562-D567.	6.5	72
79	A procedure for assessing GO annotation consistency. <i>Bioinformatics</i> , 2005, 21, i136-i143.	1.8	40
80	Ontological visualization of protein-protein interactions. <i>BMC Bioinformatics</i> , 2005, 6, 29.	1.2	11
81	The Mouse Genome Database (MGD): integrating biology with the genome. <i>Nucleic Acids Research</i> , 2004, 32, 476D-481.	6.5	66
82	Systems biology of the 2-cell mouse embryo. <i>Cytogenetic and Genome Research</i> , 2004, 105, 240-250.	0.6	128
83	The mouse Gene Expression Database (GXD): updates and enhancements. <i>Nucleic Acids Research</i> , 2004, 32, 568D-571.	6.5	61
84	Bio-ontologies—fast and furious. <i>Nature Biotechnology</i> , 2004, 22, 773-774.	9.4	67
85	A short study on the success of the Gene Ontology. <i>Web Semantics</i> , 2004, 1, 235-240.	2.2	61
86	The Mouse Genome Database (MGD): from genes to mice—a community resource for mouse biology. <i>Nucleic Acids Research</i> , 2004, 33, D471-D475.	6.5	217
87	MGD: the Mouse Genome Database. <i>Nucleic Acids Research</i> , 2003, 31, 193-195.	6.5	212
88	Human Disease Genes and Their Cloned Mouse Orthologs: Exploration of the FANTOM2 cDNA Sequence Data Set. <i>Genome Research</i> , 2003, 13, 1496-1500.	2.4	7
89	Connecting Sequence and Biology in the Laboratory Mouse. <i>Genome Research</i> , 2003, 13, 1505-1519.	2.4	18
90	The Gene Ontology (GO) Project: Structured Vocabularies for Molecular Biology and Their Application to Genome and Expression Analysis. <i>Current Protocols in Bioinformatics</i> , 2003, 00, Unit 7.2.	25.8	23

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91	The Mouse Genome Database (MGD): the model organism database for the laboratory mouse. <i>Nucleic Acids Research</i> , 2002, 30, 113-115.	6.5	135
92	Extension and Integration of the Gene Ontology (GO): Combining GO Vocabularies With External Vocabularies. <i>Genome Research</i> , 2002, 12, 1982-1991.	2.4	81
93	Rules and Guidelines for Mouse Gene, Allele, and Mutation Nomenclature: A Condensed Version. <i>Genomics</i> , 2002, 79, 471-474.	1.3	29
94	Corralling conditional mutations: A unified resource for mouse phenotypes. <i>Genesis</i> , 2002, 32, 63-65.	0.8	13
95	The Mouse Genome Database and The Gene Expression Database: Genotype to Phenotype. , 2002, , 119-128.		0
96	PROGRAM DESCRIPTION. <i>Genomics</i> , 2001, 74, 121-128.	1.3	47
97	Creating the Gene Ontology Resource: Design and Implementation. <i>Genome Research</i> , 2001, 11, 1425-1433.	2.4	881
98	Gene Ontology: tool for the unification of biology. <i>Nature Genetics</i> , 2000, 25, 25-29.	9.4	34,499
99	Informatics for Mouse Genetics and Genome Mapping. <i>Methods</i> , 1998, 14, 179-190.	1.9	16
100	Mouse and Rat Genome Informatics. , 0, , 119-142.		0
101	A Short Study on the Success of the Gene Ontology. <i>SSRN Electronic Journal</i> , 0, , .	0.4	3