

Textpresso: An Ontology-Based Information Retrieval and Literature

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Citation Report

#	ARTICLE	IF	CITATIONS
1	WormBase: a comprehensive data resource for Caenorhabditis biology and genomics. Nucleic Acids Research, 2004, 33, D383-D389.	14.5	155
2	Challenges in Genome-Wide Transcription Analysis when Using Microarrays for Non-Model Bacteria. Complexus, 2004, 2, 71-78.	0.6	0
3	The Impact of the NIH Public Access Policy on Literature Informatics: What Role Can the Neuroinformaticists Play?. Neuroinformatics, 2005, 3, 081-092.	2.8	4
4	Building a protein name dictionary from full text: a machine learning term extraction approach. BMC Bioinformatics, 2005, 6, 88.	2.6	19
5	Information Extraction in the Life Sciences: Perspectives for Medicinal Chemistry, Pharmacology and Toxicology. Current Topics in Medicinal Chemistry, 2005, 5, 785-796.	2.1	16
6	Facts from Text—Is Text Mining Ready to Deliver?. PLoS Biology, 2005, 3, e65.	5.6	108
7	Online tools to support literature-based discovery in the life sciences. Briefings in Bioinformatics, 2005, 6, 277-286.	6.5	90
8	Evaluation of biomedical text-mining systems: Lessons learned from information retrieval. Briefings in Bioinformatics, 2005, 6, 344-356.	6.5	40
9	Dragon Plant Biology Explorer. A Text-Mining Tool for Integrating Associations between Genetic and Biochemical Entities with Genome Annotation and Biochemical Terms Lists. Plant Physiology, 2005, 138, 1914-1925.	4.8	31
10	GoPubMed: exploring PubMed with the Gene Ontology. Nucleic Acids Research, 2005, 33, W783-W786.	14.5	438
11	PubFinder: a tool for improving retrieval rate of relevant PubMed abstracts. Nucleic Acids Research, 2005, 33, W774-W778.	14.5	35
13	Biological Ontology Enhancement with Fuzzy Relations: A Text-Mining Framework. , 0, , .		11
14	Integration of text- and data-mining using ontologies successfully selects disease gene candidates. Nucleic Acids Research, 2005, 33, 1544-1552.	14.5	167
15	Text mining and ontologies in biomedicine: Making sense of raw text. Briefings in Bioinformatics, 2005, 6, 239-251.	6.5	245
16	Hairpins in bookstacks: Information retrieval from biomedical text. Briefings in Bioinformatics, 2005, 6, 222-238.	6.5	39
17	A survey of current work in biomedical text mining. Briefings in Bioinformatics, 2005, 6, 57-71.	6.5	604
18	Harnessing the power of gene microarrays for the study of brain aging and Alzheimer's disease: Statistical reliability and functional correlation. Ageing Research Reviews, 2005, 4, 481-512.	10.9	97
19	Information extraction technologies for the life science industry. Drug Discovery Today: Technologies, 2005, 2, 217-224.	4.0	6

#	ARTICLE	IF	CITATIONS
20	Text-mining and information-retrieval services for molecular biology. <i>Genome Biology</i> , 2005, 6, 224.	9.6	180
21	PubSearch and PubFetch: A Simple Management System for Semiautomated Retrieval and Annotation of Biological Information from the Literature. , 2006, Chapter 9, Unit9.7.		7
22	Querying the Semantic Web with Preferences. <i>Lecture Notes in Computer Science</i> , 2006, , 612-624.	1.3	45
23	Open source tools and toolkits for bioinformatics: significance, and where are we?. <i>Briefings in Bioinformatics</i> , 2006, 7, 287-296.	6.5	44
24	Searching WormBase for Information about <i>Caenorhabditis elegans</i> . , 2006, Chapter 1, Unit 1.8.		3
25	GetItFull – A Tool for Downloading and Pre-processing Full-Text Journal Articles. <i>Lecture Notes in Computer Science</i> , 2006, , 139-145.	1.3	2
26	A Practical Comparison Between Thesaurus and Ontology Techniques As a Basis for Search Improvement. <i>Journal of Agricultural and Food Information</i> , 2006, 7, 23-42.	1.1	6
27	Biomedical Language Processing: What's Beyond PubMed?. <i>Molecular Cell</i> , 2006, 21, 589-594.	9.7	244
28	Using A Crop-Pest Ontology To Facilitate Image Retrieval. , 0, , .		0
29	Comprehensive curation and analysis of global interaction networks in <i>Saccharomyces cerevisiae</i> . <i>Journal of Biology</i> , 2006, 5, 11.	2.7	276
30	TheCandidaGenome Database: Facilitating research on <i>Candida albicans</i> molecular biology. <i>FEMS Yeast Research</i> , 2006, 6, 671-684.	2.3	23
31	Literature mining for the biologist: from information retrieval to biological discovery. <i>Nature Reviews Genetics</i> , 2006, 7, 119-129.	16.3	565
32	A biochemist's guide to <i>Caenorhabditis elegans</i> . <i>Analytical Biochemistry</i> , 2006, 359, 1-17.	2.4	76
33	MachineProse: An Ontological Framework for Scientific Assertions. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2006, 13, 220-232.	4.4	10
34	Distributed modules for text annotation and IE applied to the biomedical domain. <i>International Journal of Medical Informatics</i> , 2006, 75, 496-500.	3.3	30
35	Text mining and its potential applications in systems biology. <i>Trends in Biotechnology</i> , 2006, 24, 571-579.	9.3	281
36	Curation of complex, context-dependent immunological data. <i>BMC Bioinformatics</i> , 2006, 7, 341.	2.6	35
37	BBP: <i>Brucella</i> genome annotation with literature mining and curation. <i>BMC Bioinformatics</i> , 2006, 7, 347.	2.6	47

#	ARTICLE	IF	CITATIONS
38	Automatic document classification of biological literature. BMC Bioinformatics, 2006, 7, 370.	2.6	34
39	An automated procedure to identify biomedical articles that contain cancer-associated gene variants. Human Mutation, 2006, 27, 957-964.	2.5	11
40	Tetrahymena Genome Database (TGD): a new genomic resource for Tetrahymena thermophila research. Nucleic Acids Research, 2006, 34, D500-D503.	14.5	107
41	WormBase: better software, richer content. Nucleic Acids Research, 2006, 34, D475-D478.	14.5	74
42	The Gene Ontology (GO) project in 2006. Nucleic Acids Research, 2006, 34, D322-D326.	14.5	923
43	botXminer: mining biomedical literature with a new web-based application. Nucleic Acids Research, 2006, 34, W748-W752.	14.5	12
44	NPInter: the noncoding RNAs and protein related biomacromolecules interaction database. Nucleic Acids Research, 2006, 34, D150-D152.	14.5	93
45	Combination of text-mining algorithms increases the performance. Bioinformatics, 2006, 22, 2151-2157.	4.1	20
46	Macronuclear Genome Sequence of the Ciliate Tetrahymena thermophila, a Model Eukaryote. PLoS Biology, 2006, 4, e286.	5.6	657
47	GOAnnotator: linking protein GO annotations to evidence text. Journal of Biomedical Discovery and Collaboration, 2006, 1, 19.	2.0	47
48	MPact: the MIPS protein interaction resource on yeast. Nucleic Acids Research, 2006, 34, D436-D441.	14.5	305
49	Oasis: A Mapping and Integration Framework for Biomedical Ontologies. , 2006, , .		2
50	Informatics in neuroscience. Briefings in Bioinformatics, 2007, 8, 446-456.	6.5	13
51	Rough Neural Network Modeling Through Supervised G-K Fuzzy Clustering. , 2007, , .		1
52	Intelligent Search of Network Education Resources Based on Cultural Algorithms. , 2007, , .		3
53	EBIMed-text crunching to gather facts for proteins from Medline. Bioinformatics, 2007, 23, e237-e244.	4.1	174
54	VIOLIN: vaccine investigation and online information network. Nucleic Acids Research, 2007, 36, D923-D928.	14.5	65
55	RegulonDB (version 6.0): gene regulation model of Escherichia coli K-12 beyond transcription, active (experimental) annotated promoters and Textpresso navigation. Nucleic Acids Research, 2007, 36, D120-D124.	14.5	395

#	ARTICLE	IF	CITATIONS
56	WormBook: the online review of Caenorhabditis elegans biology. Nucleic Acids Research, 2007, 35, D472-D475.	14.5	160
57	Applying Multiple Classifier Systems to SoftMan's Perception System. , 2007, , .		3
58	Text Mining of Clinical Records for Cancer Diagnosis. , 2007, , .		6
59	Enabling a Community to Dissect an Organism: Overview of the Neurospora Functional Genomics Project. Advances in Genetics, 2007, 57, 49-96.	1.8	191
60	The BioGRID Interaction Database: 2008 update. Nucleic Acids Research, 2007, 36, D637-D640.	14.5	610
61	WormBase 2007. Nucleic Acids Research, 2007, 36, D612-D617.	14.5	95
62	Mining Information on Protein Function from Text. , 0, , 1253-1295.		1
63	Enhanced semantic access to the protein engineering literature using ontologies populated by text mining. International Journal of Bioinformatics Research and Applications, 2007, 3, 389.	0.2	12
64	Ontology Design for Biomedical Text Mining. , 2007, , 281-313.		12
65	Infrastructure for Annotation-Driven Information Extraction from the Primary Scientific Literature: Principles and Practice. , 2007, , .		1
66	Biomedical ontologies: a functional perspective. Briefings in Bioinformatics, 2007, 9, 75-90.	6.5	218
67	Frontiers of biomedical text mining: current progress. Briefings in Bioinformatics, 2007, 8, 358-375.	6.5	218
68	SmedGD: the Schmidtea mediterranea genome database. Nucleic Acids Research, 2007, 36, D599-D606.	14.5	251
69	A formal ontology of subcellular neuroanatomy. Frontiers in Neuroinformatics, 2007, 1, 3.	2.5	21
70	Comparison of full-text searching to metadata searching for genes in two biomedical literature cohorts. Journal of the Association for Information Science and Technology, 2007, 58, 2341-2352.	2.6	14
71	Ontology annotation: mapping genomic regions to biological function. Current Opinion in Chemical Biology, 2007, 11, 4-11.	6.1	76
72	The versatile worm: genetic and genomic resources for Caenorhabditis elegans research. Nature Reviews Genetics, 2007, 8, 518-532.	16.3	116
73	Molecular evidence-based medicine.. European Journal of Clinical Investigation, 2007, 37, 340-349.	3.4	22

#	ARTICLE	IF	CITATIONS
74	Literature Lab: a method of automated literature interrogation to infer biology from microarray analysis. BMC Genomics, 2007, 8, 461.	2.8	27
75	Engineering in genomics - Medline: the knowledge buried therein, its potential, and cost. IEEE Engineering in Medicine and Biology Magazine, 2007, 26, 73-74.	0.8	2
76	Biological relation extraction and query answering from MEDLINE abstracts using ontology-based text mining. Data and Knowledge Engineering, 2007, 61, 228-262.	3.4	31
77	A Prescription for Human Immunology. Immunity, 2008, 29, 835-838.	14.3	315
78	Textpresso for Neuroscience: Searching the Full Text of Thousands of Neuroscience Research Papers. Neuroinformatics, 2008, 6, 195-204.	2.8	46
79	Issues in the Design of a Pilot Concept-Based Query Interface for the Neuroinformatics Information Framework. Neuroinformatics, 2008, 6, 229-239.	2.8	6
80	Information organization and retrieval using a topic maps-based ontology: Results of a task-based evaluation. Journal of the Association for Information Science and Technology, 2008, 59, 1898-1911.	2.6	20
81	Searching Biomedical Literature with Anatomy Ontologies. , 2008, , 177-194.		1
82	MScanner: a classifier for retrieving Medline citations. BMC Bioinformatics, 2008, 9, 108.	2.6	54
83	Natural Language Processing in aid of FlyBase curators. BMC Bioinformatics, 2008, 9, 193.	2.6	32
84	Semantic role labeling for protein transport predicates. BMC Bioinformatics, 2008, 9, 277.	2.6	19
85	BibGlimpse: The case for a light-weight reprint manager in distributed literature research. BMC Bioinformatics, 2008, 9, 406.	2.6	3
86	Evading the annotation bottleneck: using sequence similarity to search non-sequence gene data. BMC Bioinformatics, 2008, 9, 442.	2.6	14
87	Towards ontology-driven navigation of the lipid bibliosphere. BMC Bioinformatics, 2008, 9, S5.	2.6	28
88	Terminologies for text-mining; an experiment in the lipoprotein metabolism domain. BMC Bioinformatics, 2008, 9, S2.	2.6	16
89	Ontology-centric integration and navigation of the dengue literature. Journal of Biomedical Informatics, 2008, 41, 806-815.	4.3	23
90	GMODWeb: a web framework for the generic model organism database. Genome Biology, 2008, 9, R102.	9.6	39
91	Text Information Extraction Based on OWL Ontologies. , 2008, , .		7

#	ARTICLE	IF	CITATIONS
92	Thinking PubMed: an Innovative System for Mental Health Domain. , 2008, , .		5
93	Ontology Support for Biomedical Information Resources. , 2008, , .		6
94	A system for finding biological entities that satisfy certain conditions from texts. , 2008, , .		5
95	BioLit: integrating biological literature with databases. Nucleic Acids Research, 2008, 36, W385-W389.	14.5	30
96	Categorization of services for seeking information in biomedical literature: a typology for improvement of practice. Briefings in Bioinformatics, 2008, 9, 452-465.	6.5	25
97	Facts from text: can text mining help to scale-up high-quality manual curation of gene products with ontologies?. Briefings in Bioinformatics, 2008, 9, 466-478.	6.5	80
98	ONTO-PERL: An API for supporting the development and analysis of bio-ontologies. Bioinformatics, 2008, 24, 885-887.	4.1	17
99	Literature mining in support of drug discovery. Briefings in Bioinformatics, 2008, 9, 479-492.	6.5	70
100	Atribui�o e explora�o de sem�ntica no processo de categoriza�o de documentos. , 2008, , .		1
101	A Community-Based Annotation Framework for Linking Solanaceae Genomes with Phenomes. Plant Physiology, 2008, 147, 1788-1799.	4.8	28
102	BioDEAL: Biological data-evidence-annotation linkage system. , 2008, , .		1
103	TOWARDS A CYTOKINE-CELL INTERACTION KNOWLEDGEBASE OF THE ADAPTIVE IMMUNE SYSTEM. , 2008, , .		10
104	Biomedical Ontologies in Action: Role in Knowledge Management, Data Integration and Decision Support. Yearbook of Medical Informatics, 2008, 17, 67-79.	1.0	168
105	The Brain Atlas Concordance Problem: Quantitative Comparison of Anatomical Parcellations. PLoS ONE, 2009, 4, e7200.	2.5	143
106	Improving Data Discovery for Metadata Repositories through Semantic Search. , 2009, , .		12
107	Enhancing search results of concept annotated documents. , 2009, , .		1
108	Research on Ontology-Based Multi-source Engineering Information Retrieval in Integrated Environment of Enterprise. , 2009, , .		8
109	Semantic Search with GoPubMed. Lecture Notes in Computer Science, 2009, , 309-342.	1.3	4

#	ARTICLE	IF	CITATIONS
110	Bioinformatics Resources for the Study of Gene Regulation in Bacteria. <i>Journal of Bacteriology</i> , 2009, 191, 23-31.	2.2	25
111	PLAN2L: a web tool for integrated text mining and literature-based bioentity relation extraction. <i>Nucleic Acids Research</i> , 2009, 37, W160-W165.	14.5	27
112	The Use of Web Resources Based on Intelligent Algorithm for Math Education. , 2009, , .		0
113	IMPROVING THE PREDICTION OF PHARMACOGENES USING TEXT-DERIVED DRUG-GENE RELATIONSHIPS. , 2009, , 305-314.		22
114	HistoneHits: A database for histone mutations and their phenotypes. <i>Genome Research</i> , 2009, 19, 674-681.	5.5	47
115	Support tools for literature-based information access in molecular biology. , 2009, , .		1
116	Building Disease-Specific Drug-Protein Connectivity Maps from Molecular Interaction Networks and PubMed Abstracts. <i>PLoS Computational Biology</i> , 2009, 5, e1000450.	3.2	158
117	KiPar, a tool for systematic information retrieval regarding parameters for kinetic modelling of yeast metabolic pathways. <i>Bioinformatics</i> , 2009, 25, 1404-1411.	4.1	16
118	SpBase: the sea urchin genome database and web site. <i>Nucleic Acids Research</i> , 2009, 37, D750-D754.	14.5	187
119	Biological knowledge management: the emerging role of the Semantic Web technologies. <i>Briefings in Bioinformatics</i> , 2009, 10, 392-407.	6.5	126
120	Text-mining of PubMed abstracts by natural language processing to create a public knowledge base on molecular mechanisms of bacterial enteropathogens. <i>BMC Bioinformatics</i> , 2009, 10, 177.	2.6	16
121	Semi-automated curation of protein subcellular localization: a text mining-based approach to Gene Ontology (GO) Cellular Component curation. <i>BMC Bioinformatics</i> , 2009, 10, 228.	2.6	51
122	The first step in the development of text mining technology for cancer risk assessment: identifying and organizing scientific evidence in risk assessment literature. <i>BMC Bioinformatics</i> , 2009, 10, 303.	2.6	20
123	Text mining and manual curation of chemical-gene-disease networks for the Comparative Toxicogenomics Database (CTD). <i>BMC Bioinformatics</i> , 2009, 10, 326.	2.6	104
124	Identification of histone modifications in biomedical text for supporting epigenomic research. <i>BMC Bioinformatics</i> , 2009, 10, S28.	2.6	7
125	GoWeb: a semantic search engine for the life science web. <i>BMC Bioinformatics</i> , 2009, 10, S7.	2.6	35
126	Evaluation of a gene information summarization system by users during the analysis process of microarray datasets. <i>BMC Bioinformatics</i> , 2009, 10, S5.	2.6	6
127	Pharmspresso: a text mining tool for extraction of pharmacogenomic concepts and relationships from full text. <i>BMC Bioinformatics</i> , 2009, 10, S6.	2.6	88

#	ARTICLE	IF	CITATIONS
128	Open Biomedical Ontology-based Medline exploration. BMC Bioinformatics, 2009, 10, S6.	2.6	10
129	Comparison of concept recognizers for building the Open Biomedical Annotator. BMC Bioinformatics, 2009, 10, S14.	2.6	112
130	BioDEAL: community generation of biological annotations. BMC Medical Informatics and Decision Making, 2009, 9, S5.	3.0	2
131	Textpresso site-specific recombinases: A text mining server for the recombinase literature including Cre mice and conditional alleles. Genesis, 2009, 47, 842-846.	1.6	4
132	Context-based literature digital collection search. VLDB Journal, 2009, 18, 277-301.	4.1	13
133	Creating Reference Datasets for Systems Biology Applications Using Text Mining. Annals of the New York Academy of Sciences, 2009, 1158, 14-28.	3.8	13
134	Ontology driven semantic profiling and retrieval in medical information systems. Web Semantics, 2009, 7, 317-331.	2.9	39
135	Systems-level approaches for identifying and analyzing genetic interaction networks in Escherichia coli and extensions to other prokaryotes. Molecular BioSystems, 2009, 5, 1439.	2.9	29
136	Strategic Reading, Ontologies, and the Future of Scientific Publishing. Science, 2009, 325, 828-832.	12.6	142
137	Using Model Organism Databases (MODs). Current Protocols in Essential Laboratory Techniques, 2009, 1, 11.4.1.	2.6	1
138	GoPubMed: Exploring PubMed with Ontological Background Knowledge. , 2009, , 385-399.		16
139	Knowledge-based search for oncological literature. , 2009, , .		0
140	Automated Semantic Indexing of Figure Captions to Improve Radiology Image Retrieval. Journal of the American Medical Informatics Association: JAMIA, 2009, 16, 380-386.	4.4	26
141	A MOD(ern) perspective on literature curation. Molecular Genetics and Genomics, 2010, 283, 415-425.	2.1	22
142	Word add-in for ontology recognition: semantic enrichment of scientific literature. BMC Bioinformatics, 2010, 11, 103.	2.6	13
143	Integration of open access literature into the RCSB Protein Data Bank using BioLit. BMC Bioinformatics, 2010, 11, 220.	2.6	7
144	MimoSA: a system for minimotif annotation. BMC Bioinformatics, 2010, 11, 328.	2.6	6
145	An ontology-based search engine for protein-protein interactions. BMC Bioinformatics, 2010, 11, S23.	2.6	5

#	ARTICLE	IF	CITATIONS
146	Discovering gene functional relationships using FAUN (Feature Annotation Using Nonnegative matrix) Tj ETQq0 0 Q,rgBT /Overlock 10 T	2.6	12
147	Rewriting and suppressing UMLS terms for improved biomedical term identification. Journal of Biomedical Semantics, 2010, 1, 5.	1.6	24
148	Use of genome-scale metabolic models for understanding microbial physiology. FEBS Letters, 2010, 584, 2556-2564.	2.8	81
149	MeSHing molecular sequences and clinical trials: A feasibility study. Journal of Biomedical Informatics, 2010, 43, 442-450.	4.3	5
150	Detecting hedge cues and their scope in biomedical text with conditional random fields. Journal of Biomedical Informatics, 2010, 43, 953-961.	4.3	34
151	A concept-driven biomedical knowledge extraction and visualization framework for conceptualization of text corpora. Journal of Biomedical Informatics, 2010, 43, 1020-1035.	4.3	23
152	Data Integration for Dynamic and Sustainable Systems Biology Resources: Challenges and Lessons Learned. Chemistry and Biodiversity, 2010, 7, 1124-1141.	2.1	24
153	CORAAL" Dive into publications, bathe in the knowledge. Web Semantics, 2010, 8, 176-181.	2.9	6
154	Design and evaluation of an ontology based information extraction system for radiological reports. Computers in Biology and Medicine, 2010, 40, 900-911.	7.0	32
155	Using open access literature to guide full-text query formulation. Nature Precedings, 2010, , .	0.1	1
156	Searching for Signaling Balance through the Identification of Genetic Interactors of the Rab Guanine-Nucleotide Dissociation Inhibitor gdi-1. PLoS ONE, 2010, 5, e10624.	2.5	11
157	Evolutionary Characters, Phenotypes and Ontologies: Curating Data from the Systematic Biology Literature. PLoS ONE, 2010, 5, e10708.	2.5	83
158	Infectious Disease Ontology. , 2010, , 373-395.		59
159	Recent progress in automatically extracting information from the pharmacogenomic literature. Pharmacogenomics, 2010, 11, 1467-1489.	1.3	63
160	Expanded information retrieval using full-text searching. Journal of Information Science, 2010, 36, 104-113.	3.3	9
161	BSQA: integrated text mining using entity relation semantics extracted from biological literature of insects. Nucleic Acids Research, 2010, 38, W175-W181.	14.5	8
162	Choosing a genome browser for a Model Organism Database: surveying the Maize community. Database: the Journal of Biological Databases and Curation, 2010, 2010, baq007.	3.0	31
163	Peer Reviewing Interdisciplinary Papers. European Review, 2010, 18, 227.	0.7	13

#	ARTICLE	IF	CITATIONS
164	New tools at the Candida Genome Database: biochemical pathways and full-text literature search. Nucleic Acids Research, 2010, 38, D428-D432.	14.5	59
165	WormBase: a comprehensive resource for nematode research. Nucleic Acids Research, 2010, 38, D463-D467.	14.5	325
166	Ontology-based information extraction: An introduction and a survey of current approaches. Journal of Information Science, 2010, 36, 306-323.	3.3	278
167	Emerging Vaccine Informatics. Journal of Biomedicine and Biotechnology, 2010, 2010, 1-26.	3.0	114
168	Oryzabase: an integrated information resource for rice science. Breeding Science, 2010, 60, 544-548.	1.9	50
169	Empowering 21st Century Biology. BioScience, 2010, 60, 923-930.	4.9	24
170	Semi-automated ontology generation within OBO-Edit. Bioinformatics, 2010, 26, i88-i96.	4.1	28
171	Discovering breast cancer drug candidates from biomedical literature. International Journal of Data Mining and Bioinformatics, 2010, 4, 241.	0.1	5
172	Teaching computers to read the pharmacogenomics literature – so you don't have to. Pharmacogenomics, 2010, 11, 515-518.	1.3	5
174	Predicting Novel Human Gene Ontology Annotations Using Semantic Analysis. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2010, 7, 91-99.	3.0	41
175	A gene ranking method using text-mining for the identification of disease related genes. , 2010, , .		4
176	Towards a methodology for Lipoprotein Ontology. , 2010, , .		1
177	Semantic Annotation of Aerospace Problem Reports to Support Text Mining. IEEE Intelligent Systems, 2010, 25, 20-26.	4.0	4
178	Text-Mining-Methoden im Semantic Web. Hmd, 2010, 47, 35-46.	0.3	0
179	A correlation-based algorithm for classifying technical articles. , 2011, , .		1
180	A framework for semi-automatic identification, disambiguation and storage of protein-related abbreviations in scientific literature. , 2011, , .		7
181	Semantic text mining for lignocellulose research. , 2011, , .		1
182	Research on Domain Ontology-Based Intelligent Information Retrieval System. Key Engineering Materials, 2011, 460-461, 300-304.	0.4	0

#	ARTICLE	IF	CITATIONS
183	Databases on Food Phytochemicals and Their Health-Promoting Effects. <i>Journal of Agricultural and Food Chemistry</i> , 2011, 59, 4331-4348.	5.2	183
184	The Cognitive Atlas: Toward a Knowledge Foundation for Cognitive Neuroscience. <i>Frontiers in Neuroinformatics</i> , 2011, 5, 17.	2.5	269
185	Clustering More than Two Million Biomedical Publications: Comparing the Accuracies of Nine Text-Based Similarity Approaches. <i>PLoS ONE</i> , 2011, 6, e18029.	2.5	207
186	Rational Design of Temperature-Sensitive Alleles Using Computational Structure Prediction. <i>PLoS ONE</i> , 2011, 6, e23947.	2.5	17
187	Dynamic Composition of Semantic Pathways for Medical Computational Problem Solving by Means of Semantic Rules. <i>IEEE Transactions on Information Technology in Biomedicine</i> , 2011, 15, 334-343.	3.2	2
188	A knowledge-based search engine to navigate the information thicket of nanotoxicology. <i>Regulatory Toxicology and Pharmacology</i> , 2011, 59, 47-52.	2.7	5
189	HyQue: evaluating hypotheses using Semantic Web technologies. <i>Journal of Biomedical Semantics</i> , 2011, 2, S3.	1.6	28
190	Stringent response of <i>Escherichia coli</i> : revisiting the bibliome using literature mining. <i>Microbial Informatics and Experimentation</i> , 2011, 1, 14.	7.6	9
191	AskHERMES: An online question answering system for complex clinical questions. <i>Journal of Biomedical Informatics</i> , 2011, 44, 277-288.	4.3	166
192	Toward an interactive article: integrating journals and biological databases. <i>BMC Bioinformatics</i> , 2011, 12, 175.	2.6	12
193	Worm Phenotype Ontology: Integrating phenotype data within and beyond the <i>C. elegans</i> community. <i>BMC Bioinformatics</i> , 2011, 12, 32.	2.6	62
194	A comparison and user-based evaluation of models of textual information structure in the context of cancer risk assessment. <i>BMC Bioinformatics</i> , 2011, 12, 69.	2.6	15
195	Benchmarking of the 2010 BioCreative Challenge III text-mining competition by the BioGRID and MINT interaction databases. <i>BMC Bioinformatics</i> , 2011, 12, S8.	2.6	11
196	User centered and ontology based information retrieval system for life sciences. <i>BMC Bioinformatics</i> , 2012, 13, S4.	2.6	26
197	Ontology-based <i>Brucella</i> vaccine literature indexing and systematic analysis of gene-vaccine association network. <i>BMC Immunology</i> , 2011, 12, 49.	2.2	34
198	Concept-based document classification using Wikipedia and value function. <i>Journal of the Association for Information Science and Technology</i> , 2011, 62, 2496-2511.	2.6	9
199	Dragon exploratory system on Hepatitis C Virus (DESHCV). <i>Infection, Genetics and Evolution</i> , 2011, 11, 734-739.	2.3	13
200	MaizeGDB: curation and outreach go hand-in-hand. <i>Database: the Journal of Biological Databases and Curation</i> , 2011, 2011, bar022-bar022.	3.0	66

#	ARTICLE	IF	CITATIONS
201	The BioGRID Interaction Database: 2011 update. <i>Nucleic Acids Research</i> , 2011, 39, D698-D704.	14.5	780
202	EcoCyc: a comprehensive database of <i>Escherichia coli</i> biology. <i>Nucleic Acids Research</i> , 2011, 39, D583-D590.	14.5	444
203	Informatics in Radiology: An Information Model of the DICOM Standard. <i>Radiographics</i> , 2011, 31, 295-304.	3.3	25
204	Kino: A Generic Document Management System for Biologists Using SA-REST and Faceted Search. , 2011, , .		13
205	New trends for reading scientific documents. , 2011, , .		10
206	How to link ontologies and protein-protein interactions to literature: text-mining approaches and the BioCreative experience. <i>Database: the Journal of Biological Databases and Curation</i> , 2012, 2012, bas017-bas017.	3.0	27
207	Text mining in the biocuration workflow: applications for literature curation at WormBase, dictyBase and TAIR. <i>Database: the Journal of Biological Databases and Curation</i> , 2012, 2012, bas040-bas040.	3.0	35
208	Building an efficient curation workflow for the <i>Arabidopsis</i> literature corpus. <i>Database: the Journal of Biological Databases and Curation</i> , 2012, 2012, bas047-bas047.	3.0	19
209	Opportunities for text mining in the FlyBase genetic literature curation workflow. <i>Database: the Journal of Biological Databases and Curation</i> , 2012, 2012, bas039-bas039.	3.0	10
210	FlyBase: improvements to the bibliography. <i>Nucleic Acids Research</i> , 2012, 41, D751-D757.	14.5	205
211	Text mining for the biocuration workflow. <i>Database: the Journal of Biological Databases and Curation</i> , 2012, 2012, bas020-bas020.	3.0	132
212	Biocuration workflows and text mining: overview of the BioCreative 2012 Workshop Track II. <i>Database: the Journal of Biological Databases and Curation</i> , 2012, 2012, bas043-bas043.	3.0	67
213	Firework visualization. , 2012, , .		0
214	Semantic querying over knowledge in biomedical text corpora annotated with multiple ontologies. , 2012, , .		1
215	The BioGRID interaction database: 2013 update. <i>Nucleic Acids Research</i> , 2012, 41, D816-D823.	14.5	643
216	Building a classifier for identifying sentences pertaining to disease-drug relationships in tardive dyskinesia. , 2012, , .		3
217	EcoliWiki: a wiki-based community resource for <i>Escherichia coli</i> . <i>Nucleic Acids Research</i> , 2012, 40, D1270-D1277.	14.5	27
218	Accelerating literature curation with text-mining tools: a case study of using PubTator to curate genes in PubMed abstracts. <i>Database: the Journal of Biological Databases and Curation</i> , 2012, 2012, bas041-bas041.	3.0	83

#	ARTICLE	IF	CITATIONS
219	WormBase 2012: more genomes, more data, new website. <i>Nucleic Acids Research</i> , 2012, 40, D735-D741.	14.5	175
220	Considerations for creating and annotating the budding yeast Genome Map at SGD: a progress report. <i>Database: the Journal of Biological Databases and Curation</i> , 2012, 2012, bar057-bar057.	3.0	10
221	Using ODIN for a PharmGKB revalidation experiment. <i>Database: the Journal of Biological Databases and Curation</i> , 2012, 2012, bas021-bas021.	3.0	18
222	Efficiently mining protein interaction dependencies from large text corpora. <i>Integrative Biology (United Kingdom)</i> , 2012, 4, 805.	1.3	8
223	Text-mining solutions for biomedical research: enabling integrative biology. <i>Nature Reviews Genetics</i> , 2012, 13, 829-839.	16.3	194
224	Relation mining experiments in the pharmacogenomics domain. <i>Journal of Biomedical Informatics</i> , 2012, 45, 851-861.	4.3	17
225	Personalized semantic assistance for the curation of biochemical literature. , 2012, , .		0
226	Saccharomyces Genome Database: the genomics resource of budding yeast. <i>Nucleic Acids Research</i> , 2012, 40, D700-D705.	14.5	1,649
227	Combining literature text mining with microarray data: advances for system biology modeling. <i>Briefings in Bioinformatics</i> , 2012, 13, 61-82.	6.5	59
228	CORNET 2.0: integrating plant coexpression, protein-protein interactions, regulatory interactions, gene associations and functional annotations. <i>New Phytologist</i> , 2012, 195, 707-720.	7.3	113
229	Poseidon: An information retrieval and extraction system for metagenomic marine science. <i>Ecological Informatics</i> , 2012, 12, 10-15.	5.2	7
230	Automatic categorization of diverse experimental information in the bioscience literature. <i>BMC Bioinformatics</i> , 2012, 13, 16.	2.6	37
231	The Bone Dysplasia Ontology: integrating genotype and phenotype information in the skeletal dysplasia domain. <i>BMC Bioinformatics</i> , 2012, 13, 50.	2.6	22
232	Text-Mining and Neuroscience. <i>International Review of Neurobiology</i> , 2012, 103, 109-132.	2.0	10
233	On-Line Resources for Xenopus. <i>Methods in Molecular Biology</i> , 2012, 917, 541-562.	0.9	0
234	An Ontology-Based Information Retrieval Model for Vegetables E-Commerce. <i>Journal of Integrative Agriculture</i> , 2012, 11, 800-807.	3.5	18
235	Improving links between literature and biological data with text mining: a case study with GEO, PDB and MEDLINE. <i>Database: the Journal of Biological Databases and Curation</i> , 2012, 2012, bas026.	3.0	21
236	The Arabidopsis Information Resource (TAIR): improved gene annotation and new tools. <i>Nucleic Acids Research</i> , 2012, 40, D1202-D1210.	14.5	1,972

#	ARTICLE	IF	CITATIONS
237	Xenbase: expansion and updates of the Xenopus model organism database. <i>Nucleic Acids Research</i> , 2012, 41, D865-D870.	14.5	63
238	Mining the pharmacogenomics literature—a survey of the state of the art. <i>Briefings in Bioinformatics</i> , 2012, 13, 460-494.	6.5	39
239	GLAD4U: deriving and prioritizing gene lists from PubMed literature. <i>BMC Genomics</i> , 2012, 13, S20.	2.8	108
240	A UML profile for the OBO relation ontology. <i>BMC Genomics</i> , 2012, 13, S3.	2.8	9
241	Beyond Captions: Linking Figures with Abstract Sentences in Biomedical Articles. <i>PLoS ONE</i> , 2012, 7, e39618.	2.5	6
242	Digital Reconstructions of Neuronal Morphology: Three Decades of Research Trends. <i>Frontiers in Neuroscience</i> , 2012, 6, 49.	2.8	117
243	MINOTAUR. <i>International Journal of Systems Biology and Biomedical Technologies</i> , 2012, 1, 1-10.	0.2	1
244	Data and literature gathering in chemical cancer risk assessment. <i>Integrated Environmental Assessment and Management</i> , 2012, 8, 412-417.	2.9	3
245	CITOM: An incremental construction of multilingual topic maps. <i>Data and Knowledge Engineering</i> , 2012, 74, 46-62.	3.4	5
246	An ontology-based retrieval system using semantic indexing. <i>Information Systems</i> , 2012, 37, 294-305.	3.6	110
247	Automated systems to identify relevant documents in product risk management. <i>BMC Medical Informatics and Decision Making</i> , 2012, 12, 13.	3.0	3
248	Semantic text mining support for lignocellulose research. <i>BMC Medical Informatics and Decision Making</i> , 2012, 12, S5.	3.0	8
249	A semantic-based method for extracting concept definitions from scientific publications: evaluation in the autism phenotype domain. <i>Journal of Biomedical Semantics</i> , 2013, 4, 14.	1.6	10
250	CoMAGC: a corpus with multi-faceted annotations of gene-cancer relations. <i>BMC Bioinformatics</i> , 2013, 14, 323.	2.6	18
251	Towards Precision Medicine: Advances in Computational Approaches for the Analysis of Human Variants. <i>Journal of Molecular Biology</i> , 2013, 425, 4047-4063.	4.2	122
252	Semantics-driven modelling of user preferences for information retrieval in the biomedical domain. <i>Informatics for Health and Social Care</i> , 2013, 38, 150-170.	2.6	6
253	A Semantic Model for Species Description Applied to the Ensign Wasps (Hymenoptera: Evaniidae) of New Caledonia. <i>Systematic Biology</i> , 2013, 62, 639-659.	5.6	46
254	Semantics preserved concept based mining model. , 2013, , .		1

#	ARTICLE	IF	CITATIONS
255	Biomedical text mining and its applications in cancer research. <i>Journal of Biomedical Informatics</i> , 2013, 46, 200-211.	4.3	196
256	One Stop Shop for Everything Dictyostelium: dictyBase and the Dicty Stock Center in 2012. <i>Methods in Molecular Biology</i> , 2013, 983, 59-92.	0.9	151
257	Improving Feature Location by Enhancing Source Code with Stereotypes. , 2013, , .		30
258	PubTator: a web-based text mining tool for assisting biocuration. <i>Nucleic Acids Research</i> , 2013, 41, W518-W522.	14.5	523
259	Preliminary evaluation of the CellFinder literature curation pipeline for gene expression in kidney cells and anatomical parts. <i>Database: the Journal of Biological Databases and Curation</i> , 2013, 2013, bat020.	3.0	13
260	The Xenbase literature curation process. <i>Database: the Journal of Biological Databases and Curation</i> , 2013, 2013, bas046.	3.0	2
261	Systematic reviews: Work that needs to be done and not to be done. <i>Journal of Evidence-Based Medicine</i> , 2013, 6, 232-235.	2.4	24
262	Extraction of gene regulatory networks from biological literature. , 2013, , .		0
263	NeuroLex.org: an online framework for neuroscience knowledge. <i>Frontiers in Neuroinformatics</i> , 2013, 7, 18.	2.5	67
264	Novas experiências para apresentação, acesso e leitura de artigos científicos digitais na web. <i>Transinformacao</i> , 2013, 25, 195-201.	0.2	3
265	A Generalized Framework for Biological Data Integration, Processing and Visualization. <i>Journal of Information Technology & Software Engineering</i> , 2013, 03, .	0.3	0
266	Dead End Metabolites - Defining the Known Unknowns of the E. coli Metabolic Network. <i>PLoS ONE</i> , 2013, 8, e75210.	2.5	23
267	Knowledge and Theme Discovery across Very Large Biological Data Sets Using Distributed Queries: A Prototype Combining Unstructured and Structured Data. <i>PLoS ONE</i> , 2013, 8, e80503.	2.5	18
269	Text Mining. , 2014, , 51-66.		3
270	Finding pathway-modulating genes from a novel Ontology Fingerprint-derived gene network. <i>Nucleic Acids Research</i> , 2014, 42, e138-e138.	14.5	14
271	Text-mining-assisted biocuration workflows in Argo. <i>Database: the Journal of Biological Databases and Curation</i> , 2014, 2014, .	3.0	21
272	COMPARTMENTS: unification and visualization of protein subcellular localization evidence. <i>Database: the Journal of Biological Databases and Curation</i> , 2014, 2014, bau012-bau012.	3.0	483
273	Visualization Method Effectiveness in Ontology-Based Information Retrieval Tasks Involving Entity Evolution. , 2014, , .		3

#	ARTICLE	IF	CITATIONS
274	Unsupervised classification and visualization of unstructured text for the support of interdisciplinary collaboration. , 2014, , .		8
275	RiceWiki: a wiki-based database for community curation of rice genes. Nucleic Acids Research, 2014, 42, D1222-D1228.	14.5	19
276	The Virtual Xenbase: transitioning an online bioinformatics resource to a private cloud. Database: the Journal of Biological Databases and Curation, 2014, 2014, bau108-bau108.	3.0	6
277	PortEco: a resource for exploring bacterial biology through high-throughput data and analysis tools. Nucleic Acids Research, 2014, 42, D677-D684.	14.5	25
278	A survey on annotation tools for the biomedical literature. Briefings in Bioinformatics, 2014, 15, 327-340.	6.5	47
279	Integrative Literature and Data Mining to Rank Disease Candidate Genes. Methods in Molecular Biology, 2014, 1159, 207-226.	0.9	1
280	What's that gene (or protein)? Online resources for exploring functions of genes, transcripts, and proteins. Molecular Biology of the Cell, 2014, 25, 1187-1201.	2.1	13
281	Fast semantic object search and detection for vegetable trading information using Steiner tree. Artificial Intelligence Review, 2014, 41, 415-427.	15.7	1
282	Large-scale biomedical concept recognition: an evaluation of current automatic annotators and their parameters. BMC Bioinformatics, 2014, 15, 59.	2.6	94
283	MinerÃa de textos y medicina: utilidad en las enfermedades respiratorias. Archivos De Bronconeumologia, 2014, 50, 113-119.	0.8	5
284	Text Mining and Medicine: Usefulness in Respiratory Diseases. Archivos De Bronconeumologia, 2014, 50, 113-119.	0.8	10
285	A semi-supervised, weighted pattern-learning approach for extraction of gene regulation relationships from scientific literature. International Journal of Data Mining and Bioinformatics, 2014, 9, 401.	0.1	0
286	Xenbase: Core features, data acquisition, and data processing. Genesis, 2015, 53, 486-497.	1.6	44
287	Sieve-based relation extraction of gene regulatory networks from biological literature. BMC Bioinformatics, 2015, 16, S1.	2.6	10
288	How Can Bioinformatics and Toxicogenomics Assist the Next Generation of Research on Physical Exercise and Athletic Performance. Journal of Strength and Conditioning Research, 2015, 29, 270-278.	2.1	6
289	Shared resources, shared costsâ€”leveraging biocuration resources. Database: the Journal of Biological Databases and Curation, 2015, 2015, .	3.0	13
290	Survey of Natural Language Processing Techniques in Bioinformatics. Computational and Mathematical Methods in Medicine, 2015, 2015, 1-10.	1.3	43
291	Semantic data mining: A survey of ontology-based approaches. , 2015, , .		112

#	ARTICLE	IF	CITATIONS
292	Ferret: a sentence-based literature scanning system. BMC Bioinformatics, 2015, 16, 198.	2.6	2
293	A novel adaptive learning management system using ontology. , 2015, , .		2
294	Ontology-based semantic retrieval for mechanical design knowledge. International Journal of Computer Integrated Manufacturing, 2015, 28, 226-238.	4.6	29
295	The KnownLeaf literature curation system captures knowledge about Arabidopsis leaf growth and development and facilitates integrated data mining. Current Plant Biology, 2015, 2, 1-11.	4.7	7
296	Assessment of curated phenotype mining in neuropsychiatric disorder literature. Methods, 2015, 74, 90-96.	3.8	4
297	The BioGRID interaction database: 2015 update. Nucleic Acids Research, 2015, 43, D470-D478.	14.5	868
298	An ontology for Autism Spectrum Disorder (ASD) to infer ASD phenotypes from Autism Diagnostic Interview-Revised data. Journal of Biomedical Informatics, 2015, 56, 333-347.	4.3	14
299	Xenbase, the Xenopus model organism database; new virtualized system, data types and genomes. Nucleic Acids Research, 2015, 43, D756-D763.	14.5	125
300	KnowLife: a versatile approach for constructing a large knowledge graph for biomedical sciences. BMC Bioinformatics, 2015, 16, 157.	2.6	114
301	The role of ontologies in biological and biomedical research: a functional perspective. Briefings in Bioinformatics, 2015, 16, 1069-1080.	6.5	199
302	Mining Enterprise Models for Knowledgeable Decision Making. , 2015, , .		2
303	MTGD: The Medicago truncatula Genome Database. Plant and Cell Physiology, 2015, 56, e1-e1.	3.1	83
304	Structural and Functional Characterization of a Caenorhabditis elegans Genetic Interaction Network within Pathways. PLoS Computational Biology, 2016, 12, e1004738.	3.2	3
305	Data retrieval for client projects: Matching data onto an ontology map to produce a relevance assessment. , 2016, , .		2
306	Curation of the genome annotation of <i>Pichia pastoris</i> (<i>Komagataella phaffii</i>) CBS7435 from gene level to protein function. FEMS Yeast Research, 2016, 16, fow051.	2.3	69
307	Query refinement for ontology information extraction. , 2016, , .		0
308	Conceptual models of drug-drug interactions: A summary of recent efforts. Knowledge-Based Systems, 2016, 114, 99-107.	7.1	15
309	Integrating Open Data on Cancer in Support to Tumor Growth Analysis. Lecture Notes in Computer Science, 2016, , 49-66.	1.3	12

#	ARTICLE	IF	CITATIONS
310	CExplore 1.4: An expanded web interface for queries on <i>Caenorhabditis elegans</i> protein and gene function. <i>Worm</i> , 2016, 5, e1234659.	1.0	34
311	OMeGA: Ontology matching enhanced by genetic algorithm. , 2016, , .		2
312	Using Model Organism Databases (MODs). <i>Current Protocols in Essential Laboratory Techniques</i> , 2016, 13, 11.4.1.	2.6	2
313	On the Road to Speed-Reading and Fast Learning with CONCEPTUM. , 2016, , .		7
314	Introducing Explorer of Taxon Concepts with a case study on spider measurement matrix building. <i>BMC Bioinformatics</i> , 2016, 17, 471.	2.6	19
315	neXtA5: accelerating annotation of articles via automated approaches in neXtProt. <i>Database: the Journal of Biological Databases and Curation</i> , 2016, 2016, baw098.	3.0	10
316	Training and evaluation corpora for the extraction of causal relationships encoded in biological expression language (BEL). <i>Database: the Journal of Biological Databases and Curation</i> , 2016, 2016, baw113.	3.0	24
317	Applications of Bio-molecular Databases in Bioinformatics. <i>Studies in Computational Intelligence</i> , 2016, , 329-351.	0.9	4
318	Comparison of SVM and Ontology-Based Text Classification Methods. <i>Lecture Notes in Computer Science</i> , 2016, , 667-680.	1.3	2
319	Fungal genome sequencing: basic biology to biotechnology. <i>Critical Reviews in Biotechnology</i> , 2016, 36, 743-759.	9.0	47
320	A hybrid ontology-based information extraction system. <i>Journal of Information Science</i> , 2016, 42, 798-820.	3.3	16
321	Ontology-Based Search of Genomic Metadata. <i>IEEE/ACM Transactions on Computational Biology and Bioinformatics</i> , 2016, 13, 233-247.	3.0	13
322	Algorithms for modeling global and context-specific functional relationship networks. <i>Briefings in Bioinformatics</i> , 2016, 17, 686-695.	6.5	3
323	The BioGRID interaction database: 2017 update. <i>Nucleic Acids Research</i> , 2017, 45, D369-D379.	14.5	920
324	Effective biomedical document classification for identifying publications relevant to the mouse Gene Expression Database (GXD). <i>Database: the Journal of Biological Databases and Curation</i> , 2017, 2017, .	3.0	12
325	Delineating functional principles of the bow tie structure of a kinase-phosphatase network in the budding yeast. <i>BMC Systems Biology</i> , 2017, 11, 38.	3.0	7
326	Data Science and symbolic AI: Synergies, challenges and opportunities. <i>Data Science</i> , 2017, 1, 27-38.	0.9	21
327	Towards a semi-automatic method for building Chinese tax domain ontology. , 2017, , .		1

#	ARTICLE	IF	CITATIONS
328	Echinobase: an expanding resource for echinoderm genomic information. Database: the Journal of Biological Databases and Curation, 2017, 2017, .	3.0	61
329	Are there ways to improve the citations of a scientific paper?. European Journal of Internal Medicine, 2018, 50, 3-5.	2.2	4
330	funRiceGenes dataset for comprehensive understanding and application of rice functional genes. GigaScience, 2018, 7, 1-9.	6.4	86
331	A statistical approach to identify, monitor, and manage incomplete curated data sets. BMC Bioinformatics, 2018, 19, 110.	2.6	2
332	Intelligent and effective informatic deconvolution of "Big Data" and its future impact on the quantitative nature of neurodegenerative disease therapy. Alzheimer's and Dementia, 2018, 14, 961-975.	0.8	33
333	DCEO Biotechnology: Tools To Design, Construct, Evaluate, and Optimize the Metabolic Pathway for Biosynthesis of Chemicals. Chemical Reviews, 2018, 118, 4-72.	47.7	141
334	Gene ontology concept recognition using named concept: understanding the various presentations of the gene functions in biomedical literature. Database: the Journal of Biological Databases and Curation, 2018, 2018, .	3.0	2
335	A Lightweight Semantic-Based Medical Document Retrieval. , 2018, , .		0
336	Automatic Extraction of IDM-Related Information in Scientific Articles and Online Science News Websites. IFIP Advances in Information and Communication Technology, 2018, , 213-224.	0.7	3
337	Ontology-Based Supervised Concept Learning for the Biogeochemical Literature. , 2018, , .		0
338	A gene-phenotype relationship extraction pipeline from the biomedical literature using a representation learning approach. Bioinformatics, 2018, 34, i386-i394.	4.1	35
339	Saccharomyces genome database informs human biology. Nucleic Acids Research, 2018, 46, D736-D742.	14.5	27
340	EchinoBase: Tools for Echinoderm Genome Analyses. Methods in Molecular Biology, 2018, 1757, 349-369.	0.9	31
341	Micropublication: incentivizing community curation and placing unpublished data into the public domain. Database: the Journal of Biological Databases and Curation, 2018, 2018, .	3.0	22
342	Textpresso Central: a customizable platform for searching, text mining, viewing, and curating biomedical literature. BMC Bioinformatics, 2018, 19, 94.	2.6	68
343	LocText: relation extraction of protein localizations to assist database curation. BMC Bioinformatics, 2018, 19, 15.	2.6	120
344	A comprehensive and quantitative comparison of text-mining in 15 million full-text articles versus their corresponding abstracts. PLoS Computational Biology, 2018, 14, e1005962.	3.2	112
345	The Liver: Oxidative Stress and Dietary Antioxidants. , 2018, , 239-246.		8

#	ARTICLE	IF	CITATIONS
346	Text Mining for Bioinformatics Using Biomedical Literature. , 2019, , 602-611.		23
347	Natural Language Processing for EHR-Based Computational Phenotyping. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2019, 16, 139-153.	3.0	123
348	Named Entity Recognition and Normalization Applied to Large-Scale Information Extraction from the Materials Science Literature. Journal of Chemical Information and Modeling, 2019, 59, 3692-3702.	5.4	136
349	A New Approach to Information Extraction in User-Centric E-Recruitment Systems. Applied Sciences (Switzerland), 2019, 9, 2852.	2.5	2
350	Towards the development of scales to measure patent management. World Patent Information, 2019, 58, 101909.	1.7	2
351	Unsupervised word embeddings capture latent knowledge from materials science literature. Nature, 2019, 571, 95-98.	27.8	590
352	Enhanced Molecular Appreciation of Psychiatric Disorders Through High-Dimensionality Data Acquisition and Analytics. Methods in Molecular Biology, 2019, 2011, 671-723.	0.9	13
353	Figure and caption extraction from biomedical documents. Bioinformatics, 2019, 35, 4381-4388.	4.1	27
354	Ontology-based specification and generation of search queries for post-market surveillance. Journal of Biomedical Semantics, 2019, 10, 9.	1.6	5
355	WormBase: A Model Organism Database. Medical Reference Services Quarterly, 2019, 38, 70-80.	1.4	10
356	Xenbase: Facilitating the Use of Xenopus to Model Human Disease. Frontiers in Physiology, 2019, 10, 154.	2.8	61
357	Open Agile text mining for bioinformatics: the PubAnnotation ecosystem. Bioinformatics, 2019, 35, 4372-4380.	4.1	16
358	BO-LSTM: classifying relations via long short-term memory networks along biomedical ontologies. BMC Bioinformatics, 2019, 20, 10.	2.6	44
359	Machine learning approach to literature mining for the genetics of complex diseases. Database: the Journal of Biological Databases and Curation, 2019, 2019, .	3.0	1
360	Named entity recognition based on conditional random fields. Cluster Computing, 2019, 22, 5195-5206.	5.0	23
361	CoCoScore: context-aware co-occurrence scoring for text mining applications using distant supervision. Bioinformatics, 2020, 36, 264-271.	4.1	21
362	Autonomous Discovery in the Chemical Sciences Partâ€¦.: Progress. Angewandte Chemie - International Edition, 2020, 59, 22858-22893.	13.8	180
363	Autonome Entdeckung in den chemischen Wissenschaften, Teilâ€¦.: Fortschritt. Angewandte Chemie, 2020, 132, 23054-23091.	2.0	11

#	ARTICLE	IF	CITATIONS
364	High-dimensionality Data Analysis of Pharmacological Systems Associated with Complex Diseases. <i>Pharmacological Reviews</i> , 2020, 72, 191-217.	16.0	17
365	Quality Matters: Biocuration Experts on the Impact of Duplication and Other Data Quality Issues in Biological Databases. <i>Genomics, Proteomics and Bioinformatics</i> , 2020, 18, 91-103.	6.9	14
366	BioLitMine: Advanced Mining of Biomedical and Biological Literature About Human Genes and Genes from Major Model Organisms. <i>G3: Genes, Genomes, Genetics</i> , 2020, 10, 4531-4539.	1.8	9
367	A building regulation question answering system: A deep learning methodology. <i>Advanced Engineering Informatics</i> , 2020, 46, 101195.	8.0	38
368	TeamTat: a collaborative text annotation tool. <i>Nucleic Acids Research</i> , 2020, 48, W5-W11.	14.5	34
369	Text mining meets community curation: a newly designed curation platform to improve author experience and participation at WormBase. <i>Database: the Journal of Biological Databases and Curation</i> , 2020, 2020, .	3.0	15
370	A behind-the-scenes tour of the IEDB curation process: an optimized process empirically integrating automation and human curation efforts. <i>Immunology</i> , 2020, 161, 139-147.	4.4	6
371	Combining lexical and context features for automatic ontology extension. <i>Journal of Biomedical Semantics</i> , 2020, 11, 1.	1.6	14
372	An extensive review of tools for manual annotation of documents. <i>Briefings in Bioinformatics</i> , 2021, 22, 146-163.	6.5	68
373	Semantic Retrieval of Microbiome Information Based on Deep Learning. <i>Lecture Notes in Electrical Engineering</i> , 2021, , 41-50.	0.4	1
374	What Can Text Mining Tell Us About Lithium-Ion Battery Researchers'™ Habits?. <i>Batteries and Supercaps</i> , 2021, 4, 758-766.	4.7	20
376	A recommendation-based reading list system prototype for learning and resource management. <i>Journal of Information Science</i> , 2023, 49, 382-397.	3.3	1
377	A structure-function knowledge extraction method for bio-inspired design. <i>Computers in Industry</i> , 2021, 127, 103402.	9.9	12
378	Utilizing image and caption information for biomedical document classification. <i>Bioinformatics</i> , 2021, 37, i468-i476.	4.1	8
379	The Treasury Chest of Text Mining: Piling Available Resources for Powerful Biomedical Text Mining. <i>Biochem</i> , 2021, 1, 60-80.	1.2	7
383	A Scalable and Distributed NLP Architecture for Web Document Annotation. <i>Lecture Notes in Computer Science</i> , 2006, , 56-67.	1.3	5
384	Advanced Literature-Mining Tools. , 2009, , 347-380.		6
385	Using Neural Networks for Relation Extraction from Biomedical Literature. <i>Methods in Molecular Biology</i> , 2021, 2190, 289-305.	0.9	5

#	ARTICLE	IF	CITATIONS
386	Text Mining for Drug-Drug Interaction. <i>Methods in Molecular Biology</i> , 2014, 1159, 47-75.	0.9	19
387	How to Use the Candida Genome Database. <i>Methods in Molecular Biology</i> , 2016, 1356, 3-15.	0.9	5
388	Using the Textpresso Site-Specific Recombinases Web Server to Identify Cre Expressing Mouse Strains and Floxed Alleles. <i>Methods in Molecular Biology</i> , 2014, 1092, 395-403.	0.9	1
389	Text Mining. <i>Methods in Molecular Biology</i> , 2008, 453, 471-491.	0.9	5
390	Arabidopsis Database and Stock Resources. <i>Methods in Molecular Biology</i> , 2014, 1062, 65-96.	0.9	10
391	Legal Document Retrieval Using Document Vector Embeddings and Deep Learning. <i>Advances in Intelligent Systems and Computing</i> , 2019, , 160-175.	0.6	23
392	Smart Data Integration by Goal Driven Ontology Learning. <i>Advances in Intelligent Systems and Computing</i> , 2017, , 283-292.	0.6	24
393	Ontology-Based Information Extraction and Information Retrieval in Health Care Domain. <i>Lecture Notes in Computer Science</i> , 2007, , 323-333.	1.3	6
394	Intelligent Approaches to Mining the Primary Research Literature: Techniques, Systems, and Examples. <i>Studies in Computational Intelligence</i> , 2008, , 17-50.	0.9	12
396	Visualization and Language Processing for Supporting Analysis across the Biomedical Literature. <i>Lecture Notes in Computer Science</i> , 2010, , 420-429.	1.3	12
397	Biomedical Publication Knowledge Acquisition, Processing and Dissemination with CORAAL. <i>Lecture Notes in Computer Science</i> , 2010, , 1126-1144.	1.3	1
398	A Framework for the Automatic Extraction of Rules from Online Text. <i>Lecture Notes in Computer Science</i> , 2011, , 266-280.	1.3	10
399	Mining Biomedical Text towards Building a Quantitative Food-Disease-Gene Network. <i>Studies in Computational Intelligence</i> , 2011, , 205-225.	0.9	12
400	Prediction of Alzheimer's disease. , 2020, , 365-378.		5
406	Comparison of Full-text Articles and Abstracts for Visual Trend Analytics through Natural Language Processing. , 2020, , .		5
407	INTEGRATING NATURAL LANGUAGE PROCESSING WITH FLYBASE CURATION. , 2006, , .		12
408	Understanding life sciences data curation practices via user research. <i>F1000Research</i> , 0, 8, 1622.	1.6	4
409	SciLite: a platform for displaying text-mined annotations as a means to link research articles with biological data. <i>Wellcome Open Research</i> , 0, 1, 25.	1.8	20

#	ARTICLE	IF	CITATIONS
410	SciLite: a platform for displaying text-mined annotations as a means to link research articles with biological data. Wellcome Open Research, 2016, 1, 25.	1.8	21
411	Using Unsupervised Patterns to Extract Gene Regulation Relationships for Network Construction. PLoS ONE, 2011, 6, e19633.	2.5	7
412	Text Mining Effectively Scores and Ranks the Literature for Improving Chemical-Genes-Disease Curation at the Comparative Toxicogenomics Database. PLoS ONE, 2013, 8, e58201.	2.5	66
413	Enhancement of Chemical Entity Identification in Text Using Semantic Similarity Validation. PLoS ONE, 2013, 8, e62984.	2.5	17
414	Muscle Logic: New Knowledge Resource for Anatomy Enables Comprehensive Searches of the Literature on the Feeding Muscles of Mammals. PLoS ONE, 2016, 11, e0149102.	2.5	5
415	Go3R – Semantic Internet Search Engine for Alternative Methods to Animal Testing. ALTEX: Alternatives To Animal Experimentation, 2009, 26, 17-31.	1.5	11
416	Human-inspired Identification of High-level Concepts using OWA and Linguistic Quantifiers. International Journal of Computers, Communications and Control, 2014, 6, 473.	1.8	4
417	Creating Relational Data from Unstructured and Ungrammatical Data Sources. Journal of Artificial Intelligence Research, 0, 31, 543-590.	7.0	24
418	Bringing Digital Science Deep Inside the Scientific Article: the Elsevier Article of the Future Project. LIBER Quarterly, 2014, 23, 274-299.	0.7	47
419	EVIDENCEMINER: Textual Evidence Discovery for Life Sciences. , 2020, , .		5
420	DeepLife: An Entity-aware Search, Analytics and Exploration Platform for Health and Life Sciences. , 2016, , .		8
421	Syntactic analyses and named entity recognition for PubMed and PubMed Central – up-to-the-minute. , 2016, , .		15
423	The Anatomy of the SARS-CoV-2 Biomedical Literature: Introducing the CovidX Network Algorithm for Drug Repurposing Recommendation. Journal of Medical Internet Research, 2020, 22, e21169.	4.3	16
424	Handbook of Research on Systems Biology Applications in Medicine. , 2009, , .		8
425	Using Biomedical Terminological Resources for Information Retrieval. , 2009, , 58-77.		1
426	A Survey of Concepts Location Enhancement for Program Comprehension and Maintenance. Journal of Software Engineering and Applications, 2014, 07, 413-421.	1.1	5
427	An Ontology Enhancement Framework to Accommodate Imprecise Concepts and Relations. Journal of Emerging Technologies in Web Intelligence, 2009, 1, .	0.6	4
428	Linked Open Data: State-of-the-Art Mechanisms and Conceptual Framework. , 0, , .		1

#	ARTICLE	IF	CITATIONS
429	Clustering of PubMed abstracts using nearer terms of the domain. <i>Bioinformatics</i> , 2012, 8, 20-25.	0.5	9
430	SKIMMR: facilitating knowledge discovery in life sciences by machine-aided skim reading. <i>PeerJ</i> , 2014, 2, e483.	2.0	4
431	Text mining-based word representations for biomedical data analysis and protein-protein interaction networks in machine learning tasks. <i>PLoS ONE</i> , 2021, 16, e0258623.	2.5	6
433	Semantic Web Technologies for Interpreting DNA Microarray Analyses: The MEAT System. <i>Lecture Notes in Computer Science</i> , 2005, , 148-160.	1.3	3
434	Using dependency parsing and probabilistic inference to extract relationships between genes, proteins and malignancies implicit among multiple biomedical research abstracts. , 2006, , .		8
435	Generating and visualizing a soccer knowledge base. , 2006, , .		3
436	Enhancing Information Retrieval Using Problem Specific Knowledge. <i>Lecture Notes in Computer Science</i> , 2006, , 244-251.	1.3	0
437	EVIDENCE FOR SHOWING GENE/PROTEIN NAME SUGGESTIONS IN BIOSCIENCE LITERATURE SEARCH INTERFACES. , 2007, , .		7
438	Ontology Driven Semantic Profiling and Retrieval in Medical Information Systems. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
439	Untangling BioOntologies for Mining Biomedical Information. , 2009, , 314-330.		0
440	Verification of Uncurated Protein Annotations. , 2009, , 301-314.		0
441	Slicing through the Scientific Literature. <i>Lecture Notes in Computer Science</i> , 2009, , 127-140.	1.3	0
442	Systems Biology and Infectious Diseases. , 2009, , 377-402.		1
443	CITOM: Incremental Construction of Topic Maps. <i>Lecture Notes in Computer Science</i> , 2010, , 49-61.	1.3	2
444	Towards Knowledge-Based Life Science Publication Repositories. <i>Annals of Information Systems</i> , 2010, , 309-345.	0.5	0
445	CORAAL - Dive into Publications, Bathe in the Knowledge. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
446	BioMedical Information Retrieval: The BioTracer Approach. <i>Lecture Notes in Computer Science</i> , 2010, , 143-157.	1.3	1
447	Using Enriched Ontology Structure for Improving Statistical Models of Gene Annotation Sets. <i>Communications in Computer and Information Science</i> , 2010, , 55-64.	0.5	1

#	ARTICLE	IF	CITATIONS
449	Knowledge-Driven, Data-Assisted Integrative Pathway Analytics. , 2011, , 225-247.		0
451	How to Use Network Resources based on Intelligent Algorithms for Math Education. International Journal of Advancements in Computing Technology, 2011, 3, 101-107.	0.1	0
452	Use of Semantic Web Technologies and Multilinguistic Thesauri for Knowledge-Based Access to Biomedical Resources. International Journal of Intelligent Systems and Applications, 2012, 4, 11-20.	1.1	6
453	MINERAÇÃO DE TEXTO E SUAS APLICAÇÕES NA LITERATURA CIENTÍFICA – ESTUDO BIBLIOMÉTRICO. Perspectivas Online: Exatas E Engenharias, 2014, 2, .	0.0	2
454	Retrieving and Extracting Entity Relations from EBIMed. , 2013, , 1852-1855.		0
456	Ontology-based Technical Text Annotation. , 2014, , .		0
457	TAKES: Two-step Approach for Knowledge Extraction in Biomedical Digital Libraries. Journal of Information Science Theory and Practice, 2014, 2, 6-21.	0.5	0
458	theoretical investigation about the notion of parts and wholes. Brazilian Journal of Information Science, 2014, 8, .	0.2	1
459	Ontology-Based Semantic Retrieval for Education Management Systems. Journal of Computing and Information Technology, 2015, 23, 255.	0.3	3
460	Ontology-based Information Extraction for Residential Land Use Suitability: A Case Study of the City of Regina, Canada. Lecture Notes in Computer Science, 2015, , 356-366.	1.3	1
464	Semantic-Based Search Engine System for Graph Images in Academic Literatures by Use of Semantic Relationships. International Journal of Machine Learning and Computing, 2019, 9, 828-839.	0.6	3
465	State-of-the-Art Components, Tools, and Methods for Process Mining and Semantic Modelling. Advances in Data Mining and Database Management Book Series, 2020, , 59-110.	0.5	0
468	Knowledge-Driven, Data-Assisted Integrative Pathway Analytics. , 0, , 173-194.		0
470	Intrinsic evaluation of text mining tools may not predict performance on realistic tasks. Pacific Symposium on Biocomputing Pacific Symposium on Biocomputing, 2008, , 640-51.	0.7	21
471	Biomedical ontologies in action: role in knowledge management, data integration and decision support. Yearbook of Medical Informatics, 2008, , 67-79.	1.0	134
472	Automatic summarization of mouse gene information by clustering and sentence extraction from MEDLINE abstracts. AMIA ... Annual Symposium proceedings, 2007, , 831-5.	0.2	7
473	Towards a cytokine-cell interaction knowledgebase of the adaptive immune system. Pacific Symposium on Biocomputing Pacific Symposium on Biocomputing, 2009, , 439-50.	0.7	10
474	Mining to find the lipid interaction networks involved in Ovarian Cancers. Summit on Translational Bioinformatics, 2009, 2009, 61-5.	0.7	1

#	ARTICLE	IF	CITATIONS
476	Evaluation of semantic-based information retrieval methods in the autism phenotype domain. AMIA ... Annual Symposium proceedings, 2011, 2011, 569-77.	0.2	3
477	Semantator: annotating clinical narratives with semantic web ontologies. AMIA Summits on Translational Science Proceedings, 2012, 2012, 20-9.	0.4	5
478	ResearchIQ: Design of a Semantically Anchored Integrative Query Tool. AMIA Summits on Translational Science Proceedings, 2015, 2015, 97-101.	0.4	0
479	A precisionâ€preferred comprehensive information extraction system for clinical articles in traditional Chinese Medicine. International Journal of Intelligent Systems, 0, , .	5.7	3
480	Designing a multilayer film via machine learning of scientific literature. Scientific Reports, 2022, 12, 930.	3.3	2
481	WormBase in 2022â€data, processes, and tools for analyzing <i>Caenorhabditis elegans</i>. Genetics, 2022, 220, .	2.9	128
482	OUP accepted manuscript. Briefings in Functional Genomics, 2022, , .	2.7	3
483	Harmonizing model organism data in the Alliance of Genome Resources. Genetics, 2022, 220, .	2.9	52
489	Mining BioLiterature. , 0, , 2074-2084.		2
491	On Coupling Classification and Super-Resolution in Remote Urban Sensing: An Integrated Deep Learning Approach. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-17.	6.3	2
492	Bibliometric Analysis of Global Scientific Literature on the Accessibility of an Integrated E-Learning Model for Students with Disabilities. Contemporary Educational Technology, 2022, 14, ep374.	2.4	2
493	An Ontology-Based Information Extraction System for Residential Land-Use Suitability Analysis. International Journal of Software Engineering and Knowledge Engineering, 2022, 32, 1019-1042.	0.8	1
495	New Frontiers of Scientific Text Mining. , 2022, , .		0
496	Biomedical Text NER Tagging Tool with Web Interface for Generating BERT-Based Fine-Tuning Dataset. Applied Sciences (Switzerland), 2022, 12, 12012.	2.5	2
497	Searching for chromate replacements using natural language processing and machine learning algorithms. Npj Materials Degradation, 2023, 7, .	5.8	4
498	Cold Is aâDisease andâD-cold Is aâDrug: Identifying Biological Types ofâEntities inâtheâBiomedical Domain. Lecture Notes in Computer Science, 2023, , 49-60.	1.3	0
499	Molecular and network-level mechanisms explaining individual differences in autism spectrum disorder. Nature Neuroscience, 2023, 26, 650-663.	14.8	24
500	PMIDigest: Interactive Review of Large Collections of PubMed Entries to Distill Relevant Information. Genes, 2023, 14, 942.	2.4	3

#	ARTICLE	IF	CITATIONS
501	Causal feature selection using a knowledge graph combining structured knowledge from the biomedical literature and ontologies: A use case studying depression as a risk factor for Alzheimer's disease. <i>Journal of Biomedical Informatics</i> , 2023, 142, 104368.	4.3	2
503	Developing a Semantically Based Query Recommendation for an Electronic Medical Record Search Engine: Query Log Analysis and Design Implications. <i>JMIR Formative Research</i> , 0, 7, e45376.	1.4	0
504	Opinion Mining by Convolutional Neural Networks for Maximizing Discoverability of Nanomaterials. <i>Journal of Chemical Information and Modeling</i> , 2024, 64, 2746-2759.	5.4	2