

# Mark A Musen

## List of Publications by Year in descending order

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244  
papers

14,109  
citations

36303

51  
h-index

24982

109  
g-index

260  
all docs

260  
docs citations

260  
times ranked

12687  
citing authors

#	ARTICLE	IF	CITATIONS
1	Network Analysis of Intrinsic Functional Brain Connectivity in Alzheimer's Disease. PLoS Computational Biology, 2008, 4, e1000100.	3.2	995
2	The protÃ©gÃ© project. AI Matters, 2015, 1, 4-12.	0.4	909
3	The evolution of ProtÃ©gÃ©: an environment for knowledge-based systems development. International Journal of Human Computer Studies, 2003, 58, 89-123.	5.6	765
4	Development of Large-Scale Functional Brain Networks in Children. PLoS Biology, 2009, 7, e1000157.	5.6	724
5	BioPortal: ontologies and integrated data resources at the click of a mouse. Nucleic Acids Research, 2009, 37, W170-W173.	14.5	688
6	BioPortal: enhanced functionality via new Web services from the National Center for Biomedical Ontology to access and use ontologies in software applications. Nucleic Acids Research, 2011, 39, W541-W545.	14.5	590
7	The PROMPT suite: interactive tools for ontology merging and mapping. International Journal of Human Computer Studies, 2003, 59, 983-1024.	5.6	502
8	The ProtÃ©gÃ© OWL Plugin: An Open Development Environment for Semantic Web Applications. Lecture Notes in Computer Science, 2004, , 229-243.	1.3	484
9	The Knowledge Model of ProtÃ©gÃ©-2000: Combining Interoperability and Flexibility. Lecture Notes in Computer Science, 2000, , 17-32.	1.3	287
10	Dimensions of knowledge sharing and reuse. Journal of Biomedical Informatics, 1992, 25, 435-467.	0.7	275
11	EON: A Component-Based Approach to Automation of Protocol-Directed Therapy. Journal of the American Medical Informatics Association: JAMIA, 1996, 3, 367-388.	4.4	241
12	Knowledge-based temporal abstraction in clinical domains. Artificial Intelligence in Medicine, 1996, 8, 267-298.	6.5	237
13	Clinical Decision-Support Systems. , 2014, , 643-674.		218
14	AMIA Board white paper: definition of biomedical informatics and specification of core competencies for graduate education in the discipline. Journal of the American Medical Informatics Association: JAMIA, 2012, 19, 931-938.	4.4	193
15	The National Center for Biomedical Ontology. Journal of the American Medical Informatics Association: JAMIA, 2012, 19, 190-195.	4.4	183
16	The SAGE Guideline Model: Achievements and Overview. Journal of the American Medical Informatics Association: JAMIA, 2007, 14, 589-598.	4.4	165
17	National Center for Biomedical Ontology: Advancing Biomedicine through Structured Organization of Scientific Knowledge. OMICS A Journal of Integrative Biology, 2006, 10, 185-198.	2.0	149
18	Use of a domain model to drive an interactive knowledge-editing tool. International Journal of Man-Machine Studies, 1987, 26, 105-121.	0.7	148

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19	WebProtÃ©gÃ©: A collaborative ontology editor and knowledge acquisition tool for the Web. Semantic Web, 2013, 4, 89-99.	1.9	146
20	The open biomedical annotator. Summit on Translational Bioinformatics, 2009, 2009, 56-60.	0.7	122
21	Calling on a million minds for community annotation in WikiProteins. Genome Biology, 2008, 9, R89.	9.6	117
22	Comparison of concept recognizers for building the Open Biomedical Annotator. BMC Bioinformatics, 2009, 10, S14.	2.6	112
23	A multiple-method knowledge-acquisition shell for the automatic generation of knowledge-acquisition tools. International Journal of Human-Computer Studies, 1992, 4, 171-196.	1.2	110
24	Task modeling with reusable problem-solving methods. Artificial Intelligence, 1995, 79, 293-326.	5.8	110
25	Interpretation of biological experiments changes with evolution of the Gene Ontology and its annotations. Scientific Reports, 2018, 8, 5115.	3.3	110
26	A Logical Foundation for Representation of Clinical Data. Journal of the American Medical Informatics Association: JAMIA, 1994, 1, 218-232.	4.4	109
27	Integration and Beyond: Linking Information from Disparate Sources and into Workflow. Journal of the American Medical Informatics Association: JAMIA, 2000, 7, 135-145.	4.4	108
28	Supporting Collaborative Ontology Development in ProtÃ©gÃ©. Lecture Notes in Computer Science, 2008, , 17-32.	1.3	104
29	Ontology-based configuration of problem-solving methods and generation of knowledge-acquisition tools: application of PROTÃ©GÃ©-II to protocol-based decision support. Artificial Intelligence in Medicine, 1995, 7, 257-289.	6.5	103
30	Specifying Ontology Views by Traversal. Lecture Notes in Computer Science, 2004, , 713-725.	1.3	100
31	Ontology-driven indexing of public datasets for translational bioinformatics. BMC Bioinformatics, 2009, 10, S1.	2.6	98
32	Using text to build semantic networks for pharmacogenomics. Journal of Biomedical Informatics, 2010, 43, 1009-1019.	4.3	98
33	Data Breaches of Protected Health Information in the United States. JAMA - Journal of the American Medical Association, 2015, 313, 1471.	7.4	93
34	RÃ©SUMÃ©: A Temporal-Abstraction System for Patient Monitoring. Journal of Biomedical Informatics, 1993, 26, 255-273.	0.7	90
35	AgroPortal: A vocabulary and ontology repository for agronomy. Computers and Electronics in Agriculture, 2018, 144, 126-143.	7.7	87
36	BioPortal as a dataset of linked biomedical ontologies and terminologies in RDF. Semantic Web, 2013, 4, 277-284.	1.9	85

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37	Episodic skeletal-plan refinement based on temporal data. Communications of the ACM, 1989, 32, 1439-1455.	4.5	84
38	Translating Research into Practice: Organizational Issues in Implementing Automated Decision Support for Hypertension in Three Medical Centers. Journal of the American Medical Informatics Association: JAMIA, 2004, 11, 368-376.	4.4	84
39	The center for expanded data annotation and retrieval. Journal of the American Medical Informatics Association: JAMIA, 2015, 22, 1148-1152.	4.4	74
40	ProtÃ©gÃ©: A Tool for Managing and Using Terminology in Radiology Applications. Journal of Digital Imaging, 2007, 20, 34-46.	2.9	71
41	NCBO Resource Index: Ontology-based search and mining of biomedical resources. Web Semantics, 2011, 9, 316-324.	2.9	68
42	Unified Medical Language System term occurrences in clinical notes: a large-scale corpus analysis. Journal of the American Medical Informatics Association: JAMIA, 2012, 19, e149-e156.	4.4	60
43	Conceptual models of interactive knowledge acquisition tools. International Journal of Human-Computer Studies, 1989, 1, 73-88.	1.2	59
44	NCBO Ontology Recommender 2.0: an enhanced approach for biomedical ontology recommendation. Journal of Biomedical Semantics, 2017, 8, 21.	1.6	59
45	The variable quality of metadata about biological samples used in biomedical experiments. Scientific Data, 2019, 6, 190021.	5.3	58
46	Tracking Changes During Ontology Evolution. Lecture Notes in Computer Science, 2004, , 259-273.	1.3	58
47	The Unified Problem-Solving Method Development Language UPML. Knowledge and Information Systems, 2003, 5, 83-131.	3.2	57
48	Pushing the envelope: challenges in a frame-based representation of human anatomy. Data and Knowledge Engineering, 2004, 48, 335-359.	3.4	54
49	Building a biomedical ontology recommender web service. Journal of Biomedical Semantics, 2010, 1, S1.	1.6	54
50	Representation of change in controlled medical terminologies. Artificial Intelligence in Medicine, 1999, 15, 53-76.	6.5	53
51	Automated support for building and extending expert models. Machine Learning, 1989, 4, 347-375.	5.4	52
52	Comparison of computer-aided and human review of general practitioners' management of hypertension. Lancet, The, 1991, 338, 1504-1508.	13.7	52
53	OBO to OWL: a protege OWL tab to read/save OBO ontologies. Bioinformatics, 2007, 23, 1868-1870.	4.1	50
54	The Biomedical Resource Ontology (BRO) to enable resource discovery in clinical and translational research. Journal of Biomedical Informatics, 2011, 44, 137-145.	4.3	50

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55	Clinical Decision-Support Systems. , 2021, , 795-840.		50
56	A systematic analysis of term reuse and term overlap across biomedical ontologies. Semantic Web, 2017, 8, 853-871.	1.9	49
57	Using the wisdom of the crowds to find critical errors in biomedical ontologies: a study of SNOMED CT. Journal of the American Medical Informatics Association: JAMIA, 2015, 22, 640-648.	4.4	47
58	Protégé-2000: an open-source ontology-development and knowledge-acquisition environment. AMIA ... Annual Symposium proceedings, 2003, , 953.	0.2	47
59	Enabling enrichment analysis with the Human Disease Ontology. Journal of Biomedical Informatics, 2011, 44, S31-S38.	4.3	44
60	Improving data and knowledge management to better integrate health care and research. Journal of Internal Medicine, 2013, 274, 321-328.	6.0	44
61	Precision annotation of digital samples in NCBI's gene expression omnibus. Scientific Data, 2017, 4, 170125.	5.3	44
62	Mapping Master: A Flexible Approach for Mapping Spreadsheets to OWL. Lecture Notes in Computer Science, 2010, , 194-208.	1.3	43
63	Jambalaya. , 2002, , .		42
64	A model for critiquing based on automated medical records. Journal of Biomedical Informatics, 1991, 24, 344-378.	0.7	36
65	Evaluating Detection of an Inhalational Anthrax Outbreak. Emerging Infectious Diseases, 2006, 12, 1942-1949.	4.3	36
66	Ontologies in Support of Problem Solving. , 2004, , 321-341.		35
67	Reusable ontologies, knowledge-acquisition tools, and performance systems: PROTEGE-II solutions to Sisypus-2. International Journal of Human Computer Studies, 1996, 44, 303-332.	5.6	33
68	What Four Million Mappings Can Tell You about Two Hundred Ontologies. Lecture Notes in Computer Science, 2009, , 229-242.	1.3	33
69	Creating mappings for ontologies in biomedicine: simple methods work. AMIA ... Annual Symposium proceedings, 2009, 2009, 198-202.	0.2	33
70	Integration and publication of heterogeneous text-mined relationships on the Semantic Web. Journal of Biomedical Semantics, 2011, 2, S10.	1.6	31
71	Mechanical turk as an ontology engineer?. , 2013, , .		31
72	Semi-automated Entry of Clinical Temporal-abstraction Knowledge. Journal of the American Medical Informatics Association: JAMIA, 1999, 6, 494-511.	4.4	30

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73	SHriMP views. , 2002, , .		30
74	Using ontologies linked with geometric models to reason about penetrating injuries. Artificial Intelligence in Medicine, 2006, 37, 167-176.	6.5	30
75	A Generic Ontology for Collaborative Ontology-Development Workflows. Lecture Notes in Computer Science, 2008, , 318-328.	1.3	30
76	Semantic Wiki Search. Lecture Notes in Computer Science, 2009, , 445-460.	1.3	30
77	How orthogonal are the OBO Foundry ontologies?. Journal of Biomedical Semantics, 2011, 2, S2.	1.6	29
78	WebProtÃ©gÃ©: a collaborative Web-based platform for editing biomedical ontologies. Bioinformatics, 2014, 30, 2384-2385.	4.1	29
79	An empirical analysis of ontology reuse in BioPortal. Journal of Biomedical Informatics, 2017, 71, 165-177.	4.3	29
80	Generation of knowledge-acquisition tools from domain ontologies. International Journal of Human Computer Studies, 1994, 41, 425-453.	5.6	28
81	A Case Study in Using ProtÃ©gÃ©-2000 as a Tool for CommonKADS. Lecture Notes in Computer Science, 2000, , 33-48.	1.3	28
82	Architectures for intelligent systems based on reusable components. Artificial Intelligence in Medicine, 1995, 7, 189-199.	6.5	27
83	Title is missing!. Journal of Intelligent Information Systems, 1999, 13, 121-145.	3.9	27
84	Understanding Detection Performance in Public Health Surveillance: Modeling Aberrancy-detection Algorithms. Journal of the American Medical Informatics Association: JAMIA, 2008, 15, 760-769.	4.4	27
85	iTools: A Framework for Classification, Categorization and Integration of Computational Biology Resources. PLoS ONE, 2008, 3, e2265.	2.5	27
86	A unified software framework for deriving, visualizing, and exploring abstraction networks for ontologies. Journal of Biomedical Informatics, 2016, 62, 90-105.	4.3	27
87	Design of a FAIR digital data health infrastructure in Africa for COVIDâ€19 reporting and research. Genetics & Genomics Next, 2021, 2, e10050.	1.5	27
88	Annotation and query of tissue microarray data using the NCI Thesaurus. BMC Bioinformatics, 2007, 8, 296.	2.6	26
89	Obstacles to the reuse of study metadata in ClinicalTrials.gov. Scientific Data, 2020, 7, 443.	5.3	26
90	A Comprehensive Analysis of Five Million UMLS Metathesaurus Terms Using Eighteen Million MEDLINE Citations. AMIA ... Annual Symposium proceedings, 2010, 2010, 907-11.	0.2	26

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91	An Overview of Knowledge Acquisition. , 1993, , 405-427.		25
92	Modular Neural Networks for Medical Prognosis: Quantifying the Benefits of Combining Neural Networks for Survival Prediction. Connection Science, 1997, 9, 71-86.	3.0	24
93	BioPortal as a Dataset of Linked Biomedical Ontologies and Terminologies in RDF. Semantic Web, 2013, 4, 277-284.	1.9	24
94	Knowledge acquisition for temporal-abstraction mechanisms. International Journal of Human-Computer Studies, 1992, 4, 217-236.	1.2	23
95	Applied ontology: The next decade begins. Applied Ontology, 2015, 10, 1-4.	2.0	23
96	Representing the NCI Thesaurus in OWL DL: Modeling tools help modeling languages. Applied Ontology, 2008, 3, 173-190.	2.0	22
97	A System for Ontology-Based Annotation of Biomedical Data. Lecture Notes in Computer Science, 2008, , 144-152.	1.3	22
98	Knowledge Engineering for Clinical Consultation Programs: Modeling the Application Area. Methods of Information in Medicine, 1989, 28, 28-35.	1.2	22
99	Ontology Development for the Masses: Creating ICD-11 in WebProtÃ©gÃ©. Lecture Notes in Computer Science, 2010, , 74-89.	1.3	21
100	How ontologies are made: Studying the hidden social dynamics behind collaborative ontology engineering projects. Web Semantics, 2013, 20, 18-34.	2.9	21
101	Discovering Beaten Paths in Collaborative Ontology-Engineering Projects using Markov Chains. Journal of Biomedical Informatics, 2014, 51, 254-271.	4.3	21
102	The CEDAR Workbench: An Ontology-Assisted Environment for Authoring Metadata that Describe Scientific Experiments. Lecture Notes in Computer Science, 2017, 10588, 103-110.	1.3	21
103	Using SPARQL to Query BioPortal Ontologies and Metadata. Lecture Notes in Computer Science, 2012, , 180-195.	1.3	21
104	Modeling tasks with mechanisms. International Journal of Intelligent Systems, 1993, 8, 129-152.	5.7	20
105	Beyond Data Models for Automated User Interface Generation. , 0, , 353-366.		20
106	Sequential versus standard neural networks for pattern recognition: An example using the domain of coronary heart disease. Computers in Biology and Medicine, 1997, 27, 267-281.	7.0	20
107	Empowering industrial research with shared biomedical vocabularies. Drug Discovery Today, 2011, 16, 940-947.	6.4	20
108	PhLeGrA. , 2017, 2017, 321-329.		20

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109	Querying the Semantic Web with SWRL. , 2007, , 155-159.		20
110	Will Semantic Web Technologies Work for the Development of ICD-11?. Lecture Notes in Computer Science, 2010, , 257-272.	1.3	20
111	Using Semantic Web in ICD-11: Three Years Down the Road. Lecture Notes in Computer Science, 2013, , 195-211.	1.3	20
112	Comparison of ontology-based semantic-similarity measures. AMIA ... Annual Symposium proceedings, 2008, , 384-8.	0.2	20
113	Modeling guidelines for integration into clinical workflow. Studies in Health Technology and Informatics, 2004, 107, 174-8.	0.3	20
114	Use of KADS to create a conceptual model of the ONCOCIN task. International Journal of Human-Computer Studies, 1992, 4, 55-87.	1.2	19
115	Using ontologies to model human navigation behavior in information networks: A study based on Wikipedia. Semantic Web, 2015, 6, 403-422.	1.9	19
116	Enabling Web-scale data integration in biomedicine through Linked Open Data. Npj Digital Medicine, 2019, 2, 90.	10.9	19
117	Ontology-based annotation and query of tissue microarray data. AMIA ... Annual Symposium proceedings, 2006, , 709-13.	0.2	19
118	An editor for the conceptual models of interactive knowledge-acquisition tools. International Journal of Man-Machine Studies, 1989, 31, 673-698.	0.7	18
119	Using association rule mining and ontologies to generate metadata recommendations from multiple biomedical databases. Database: the Journal of Biological Databases and Curation, 2019, 2019, .	3.0	18
120	Chapter 9: Analyses Using Disease Ontologies. PLoS Computational Biology, 2012, 8, e1002827.	3.2	17
121	Utilizing a structural meta-ontology for family-based quality assurance of the BioPortal ontologies. Journal of Biomedical Informatics, 2016, 61, 63-76.	4.3	17
122	WebProtÃ©gÃ©: A Cloud-Based Ontology Editor. , 2019, , .		17
123	Computational neuroanatomy: ontology-based representation of neural components and connectivity. BMC Bioinformatics, 2009, 10, S3.	2.6	16
124	Biomedical Informatics â€” A Confluence of Disciplines?. Methods of Information in Medicine, 2011, 50, 508-524.	1.2	16
125	Metatools for knowledge acquisition. IEEE Software, 1993, 10, 23-29.	1.8	15
126	The CAIRR Pipeline for Submitting Standards-Compliant B and T Cell Receptor Repertoire Sequencing Studies to the National Center for Biotechnology Information Repositories. Frontiers in Immunology, 2018, 9, 1877.	4.8	15



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127	Using Semantic Web Technologies for Knowledge-Driven Querying of Biomedical Data. Lecture Notes in Computer Science, 2007, , 267-276.	1.3	15
128	A problem-solving model for episodic skeletal-plan refinement. International Journal of Human-Computer Studies, 1992, 4, 197-216.	1.2	14
129	Reuse, CORBA, and knowledge-based systems. International Journal of Human Computer Studies, 1998, 49, 523-546.	5.6	14
130	Mappings for Reuse in Knowledge-based Systems. , 2001, , 349-363.		14
131	An Ontology-Driven Framework for Deploying JADE Agent Systems. , 2008, , .		13
132	Analysis of User Editing Patterns in Ontology Development Projects. Lecture Notes in Computer Science, 2013, , 470-487.	1.3	13
133	Predicting outbreak detection in public health surveillance: quantitative analysis to enable evidence-based method selection. AMIA ... Annual Symposium proceedings, 2008, , 76-80.	0.2	13
134	An ontology-neutral framework for enrichment analysis. AMIA ... Annual Symposium proceedings, 2010, 2010, 797-801.	0.2	13
135	SWRL-F. , 2011, , .		12
136	An ontology-driven tool for structured data acquisition using Web forms. Journal of Biomedical Semantics, 2017, 8, 26.	1.6	12
137	OrderRex clinical user testing: a randomized trial of recommender system decision support on simulated cases. Journal of the American Medical Informatics Association: JAMIA, 2020, 27, 1850-1859.	4.4	12
138	A component-based architecture for automation of protocol-directed therapy. Lecture Notes in Computer Science, 1995, , 1-13.	1.3	12
139	Understanding How Users Edit Ontologies: Comparing Hypotheses About Four Real-World Projects. Lecture Notes in Computer Science, 2015, , 551-568.	1.3	12
140	Traversing Ontologies to Extract Views. Lecture Notes in Computer Science, 2009, , 245-260.	1.3	12
141	Overcoming the limitations of role-limiting methods. International Journal of Human-Computer Studies, 1992, 4, 165-170.	1.2	11
142	Reuse with PROTÄ%GÄ%o-II. , 1995, , .		11
143	The knowledge acquisition workshops: A remarkable convergence of ideas. International Journal of Human Computer Studies, 2013, 71, 195-199.	5.6	11
144	PragmatiX. International Journal on Semantic Web and Information Systems, 2013, 9, 45-78.	5.1	11

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145	Use of ontology structure and Bayesian models to aid the crowdsourcing of ICD-11 sanctioning rules. Journal of Biomedical Informatics, 2017, 68, 20-34.	4.3	11
146	A more decentralized vision for Linked Data. Semantic Web, 2020, 11, 101-113.	1.9	11
147	ProtÃ©gÃ© Ontology Editor. , 2013, , 1763-1765.		11
148	Challenges in converting frame-based ontology into OWL: the Foundational Model of Anatomy case-study. AMIA ... Annual Symposium proceedings, 2005, , 181-5.	0.2	11
149	Deriving an abstraction network to support quality assurance in OCRE. AMIA ... Annual Symposium proceedings, 2012, 2012, 681-9.	0.2	11
150	Crowdsourcing the verification of relationships in biomedical ontologies. AMIA ... Annual Symposium proceedings, 2013, 2013, 1020-9.	0.2	11
151	How Should We Organize to Do Informatics?: Report of the ACMI Debate at the 1997 AMIA Fall Symposium. Journal of the American Medical Informatics Association: JAMIA, 1998, 5, 293-304.	4.4	10
152	Searching ontologies based on content. , 2007, , .		10
153	Is the crowd better as an assistant or a replacement in ontology engineering? An exploration through the lens of the Gene Ontology. Journal of Biomedical Informatics, 2016, 60, 199-209.	4.3	10
154	CEDAR OnDemand: a browser extension to generate ontology-based scientific metadata. BMC Bioinformatics, 2018, 19, 268.	2.6	10
155	FAIR Convergence Matrix: Optimizing the Reuse of Existing FAIR-Related Resources. Data Intelligence, 2020, 2, 158-170.	1.5	10
156	An empirical meta-analysis of the life sciences linked open data on the web. Scientific Data, 2021, 8, 24.	5.3	10
157	Snap-SPARQL: A Java Framework for Working with SPARQL and OWL. Lecture Notes in Computer Science, 2016, , 154-165.	1.3	10
158	The Lexicon Builder Web service: Building Custom Lexicons from two hundred Biomedical Ontologies. AMIA ... Annual Symposium proceedings, 2010, 2010, 587-91.	0.2	10
159	Supporting the Collaborative Authoring of ICD-11 with WebProtÃ©gÃ©. AMIA ... Annual Symposium proceedings, 2010, 2010, 802-6.	0.2	10
160	Software-engineering challenges of building and deploying reusable problem solvers. Artificial Intelligence for Engineering Design, Analysis and Manufacturing: AIEDAM, 2009, 23, 339-356.	1.1	9
161	Ten years of Applied Ontology. Applied Ontology, 2015, 10, 169-170.	2.0	9
162	Use of OWL and Semantic Web Technologies at Pinterest. Lecture Notes in Computer Science, 2019, , 418-435.	1.3	9

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163	The ontology life cycle: Integrated tools for editing, publishing, peer review, and evolution of ontologies. AMIA ... Annual Symposium proceedings, 2010, 2010, 552-6.	0.2	9
164	ARGOS policy brief on semantic interoperability. Studies in Health Technology and Informatics, 2011, 170, 1-15.	0.3	9
165	Wrestling with SUMO and bio-ontologies. Nature Biotechnology, 2006, 24, 21-21.	17.5	8
166	A prototype symbolic model of canonical functional neuroanatomy of the motor system. Journal of Biomedical Informatics, 2008, 41, 251-263.	4.3	8
167	A knowledge base driven user interface for collaborative ontology development. , 2011, , .		8
168	How Users Explore Ontologies on the Web. , 2017, , .		8
169	OPAL: Toward the Computer-Aided Design of Oncology Advice Systems. Computers and Medicine, 1988, , 166-180.	0.1	8
170	Ontologies for Formal Representation of Biological Systems. , 2009, , 445-461.		8
171	Applications of ontology design patterns in biomedical ontologies. AMIA ... Annual Symposium proceedings, 2012, 2012, 643-52.	0.2	8
172	From mappings to modules. , 2011, , .		7
173	A Template-Based Approach Toward Acquisition of Logical Sentences. IFIP Advances in Information and Communication Technology, 2002, , 77-89.	0.7	7
174	Simplified OWL Ontology Editing for the Web: Is WebProtÃ©gÃ© Enough?. Lecture Notes in Computer Science, 2013, , 200-215.	1.3	7
175	Of Brittleness and Bottlenecks: Challenges in the Creation of Pattern-Recognition and Expert-System Models. Machine Intelligence and Pattern Recognition, 1988, 7, 335-352.	0.2	7
176	Knowledge-based bioterrorism surveillance. Proceedings, 2002, , 76-80.	0.6	7
177	Using an ontology of human anatomy to inform reasoning with geometric models. Studies in Health Technology and Informatics, 2005, 111, 429-35.	0.3	7
178	EZPAL: Environment for composing constraint axioms by instantiating templates. International Journal of Human Computer Studies, 2005, 62, 578-596.	5.6	6
179	ProtÃ©gÃ©: Community is Everything. International Journal of Human Computer Studies, 2005, 62, 545-552.	5.6	6
180	Analysis and Prediction of User Editing Patterns in Ontology Development Projects. Journal on Data Semantics, 2015, 4, 117-132.	2.0	6

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181	An Open Repository Model for Acquiring Knowledge About Scientific Experiments. Lecture Notes in Computer Science, 2016, , 762-777.	1.3	6
182	Linking Ontologies with Three-Dimensional Models of Anatomy to Predict the Effects of Penetrating Injuries. , 2004, 2004, 3128-31.		5
183	Semantic infrastructure to enable collaboration in ontology development. , 2011, , .		5
184	How to apply Markov chains for modeling sequential edit patterns in collaborative ontology-engineering projects. International Journal of Human Computer Studies, 2015, 84, 51-66.	5.6	5
185	Analyzing user interactions with biomedical ontologies: A visual perspective. Web Semantics, 2018, 49, 16-30.	2.9	5
186	Using ethnographic methods to classify the human experience in medicine: a case study of the presence ontology. Journal of the American Medical Informatics Association: JAMIA, 2021, 28, 1900-1909.	4.4	5
187	Use of description logic classification to reason about consequences of penetrating injuries. AMIA ... Annual Symposium proceedings, 2005, , 649-53.	0.2	5
188	Ontology-based representation of simulation models of physiology. AMIA ... Annual Symposium proceedings, 2006, , 664-8.	0.2	5
189	UMLS-Query: a perl module for querying the UMLS. AMIA ... Annual Symposium proceedings, 2008, , 652-6.	0.2	5
190	Fast and Accurate Metadata Authoring Using Ontology-Based Recommendations. AMIA ... Annual Symposium proceedings, 2017, 2017, 1272-1281.	0.2	5
191	A biomedical open knowledge network harnesses the power of AI to understand deep human biology. AI Magazine, 2022, 43, 46-58.	1.6	5
192	Using semantic dependencies for consistency management of an ontology of brainâ€“cortex anatomy. Artificial Intelligence in Medicine, 2007, 39, 217-225.	6.5	4
193	An efficient approach to intelligent real-time monitoring using ontologies and Hadoop. , 2010, , .		4
194	Cross-domain targeted ontology subsets for annotation: The case of SNOMED CORE and RxNorm. Journal of Biomedical Informatics, 2014, 47, 105-111.	4.3	4
195	Configuring Online Problem-Solving Resources with the Internet Reasoning Service. IFIP Advances in Information and Communication Technology, 2002, , 91-102.	0.7	4
196	Developing biomedical ontologies collaboratively. AMIA ... Annual Symposium proceedings, 2008, , 520-4.	0.2	4
197	An empirically derived taxonomy of errors in SNOMED CT. AMIA ... Annual Symposium proceedings, 2014, 2014, 899-906.	0.2	4
198	Conceptual models for automatic generation of knowledge-acquisition tools. Knowledge Engineering Review, 1993, 8, 27-47.	2.6	3

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199	Use of a domain model to drive an interactive knowledge-editing tool. International Journal of Human Computer Studies, 1999, 51, 479-495.	5.6	3
200	DataStorm An Ontology-Driven Framework for Cloud-Based Data Analytic Systems. , 2010, , .		3
201	Using aggregate taxonomies to summarize SNOMED CT evolution. , 2015, , .		3
202	CEDAR. , 2018, , .		3
203	HopRank: How Semantic Structure Influences Teleportation in PageRank (A Case Study on BioPortal). , 2019, , .		3
204	BiOnIC: A Catalog of User Interactions with Biomedical Ontologies. Lecture Notes in Computer Science, 2017, 10588, 130-138.	1.3	3
205	Toward a Harmonized WHO Family of International Classifications Content Model. Studies in Health Technology and Informatics, 2020, 270, 1409-1410.	0.3	3
206	Contextualizing heterogeneous data for integration and inference. AMIA ... Annual Symposium proceedings, 2003, , 514-8.	0.2	3
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