Alan Ruttenberg

List of Publications by Year
in descending order

49 papers	4,098 citations	361413 20 h-index	345221 36 g-index
52 all docs	52 docs citations	52 times ranked	5393 citing authors

#	ARTICLE	IF	CITATIONS
1	BFO: Basic Formal Ontology1. Applied Ontology, 2022, 17, 17-43.	2.0	18
2	OBO Foundry in 2021: operationalizing open data principles to evaluate ontologies. Database: the Journal of Biological Databases and Curation, 2021, 2021, .	3.0	77
3	Structuring, reuse and analysis of electronic dental data using the Oral Health and Disease Ontology. Journal of Biomedical Semantics, 2020, 11, 8.	1.6	4
4	Developing the Quantitative Histopathology Image Ontology (QHIO): A case study using the hot spot detection problem. Journal of Biomedical Informatics, 2017, 66, 129-135.	4.3	16
5	Ontobee: A linked ontology data server to support ontology term dereferencing, linkage, query and integration. Nucleic Acids Research, 2017, 45, D347-D352.	14.5	110
6	Semantics-oriented data science and computational life sciences: Innovative application of semantic technologies in microRNA and lncRNA research. , 2017, , .		0
7	Protein Ontology (PRO): enhancing and scaling up the representation of protein entities. Nucleic Acids Research, 2017, 45, D339-D346.	14.5	73
8	The Ontology for Biomedical Investigations. PLoS ONE, 2016, 11, e0154556.	2.5	217
9	The Non-Coding RNA Ontology (NCRO): a comprehensive resource for the unification of non-coding RNA biology. Journal of Biomedical Semantics, 2016, 7, 24.	1.6	10
10	The Cell Ontology 2016: enhanced content, modularization, and ontology interoperability. Journal of Biomedical Semantics, 2016, 7, 44.	1.6	201
11	The development of non-coding RNA ontology. International Journal of Data Mining and Bioinformatics, 2016, 15, 214.	0.1	9
12	OmniSearch: a semantic search system based on the Ontology for MIcroRNA Target (OMIT) for microRNA-target gene interaction data. Journal of Biomedical Semantics, 2016, 7, 25.	1.6	27
13	Toll-Like Receptor Signaling in Vertebrates: Testing the Integration of Protein, Complex, and Pathway Data in the Protein Ontology Framework. PLoS ONE, 2015, 10, e0122978.	2.5	2
14	A semantic approach for knowledge capture of MIcroRNA-Target gene interactions. , 2015, , .		10
15	A domain ontology for the Non-Coding RNA field. , 2015, , .		0
16	Finding Our Way through Phenotypes. PLoS Biology, 2015, 13, e1002033.	5.6	178
17	flowCL: ontology-based cell population labelling in flow cytometry. Bioinformatics, 2015, 31, 1337-1339.	4.1	25
18	The Logic of Surveillance Guidelines: An Analysis of Vaccine Adverse Event Reports from an Ontological Perspective. PLoS ONE, 2014, 9, e92632.	2.5	10

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19	Protein Ontology: a controlled structured network of protein entities. Nucleic Acids Research, 2014, 42, D415-D421.	14.5	63
20	The neurological disease ontology. Journal of Biomedical Semantics, 2013, 4, 42.	1.6	32
21	An ontology-based method for secondary use of electronic dental record data. AMIA Summits on Translational Science Proceedings, 2013, 2013, 234-8.	0.4	6
22	A strategy for building neuroanatomy ontologies. Bioinformatics, 2012, 28, 1262-1269.	4.1	28
23	Taking shortcuts with OWL using safe macros. Nature Precedings, 2011, , .	0.1	1
24	The representation of protein complexes in the Protein Ontology (PRO). BMC Bioinformatics, 2011, 12, 371.	2.6	14
25	Overcoming the ontology enrichment bottleneck with Quick Term Templates. Applied Ontology, 2011, 6, 13-22.	2.0	7
26	MIREOT: The minimum information to reference an external ontology term. Applied Ontology, 2011, 6, 23-33.	2.0	78
27	MORE ABOUT ONTOLOGY: Authors' response. Journal of the American Dental Association, 2011, 142, 252-254.	1.5	0
28	Meeting Report: BioSharing at ISMB 2010. Standards in Genomic Sciences, 2010, 3, 254-258.	1.5	19
29	OntoFox: web-based support for ontology reuse. BMC Research Notes, 2010, 3, 175.	1.4	145
30	Modeling biomedical experimental processes with OBI. Journal of Biomedical Semantics, 2010, 1, S7.	1.6	207
31	Semantic SenseLab: Implementing the vision of the Semantic Web in neuroscience. Artificial Intelligence in Medicine, 2010, 48, 21-28.	6.5	7
32	Taking shortcuts with OWL using safe macros. Nature Precedings, 2010, , .	0.1	2
33	Ontology and the Future of Dental Research Informatics. Journal of the American Dental Association, 2010, 141, 1173-1175.	1.5	8
34	Life sciences on the Semantic Web: the Neurocommons and beyond. Briefings in Bioinformatics, 2009, 10, 193-204.	6.5	79
35	The SWAN biomedical discourse ontology. Journal of Biomedical Informatics, 2008, 41, 739-751.	4.3	113
36	Report on semantic web for health care and life sciences workshop. , 2008, , .		0

#	ARTICLE	IF	CITATIONS
37	Simplifying Access to Large-Scale Health Care and Life Sciences Datasets. , 2008, , 864-868.		2
38	The OBO Foundry: coordinated evolution of ontologies to support biomedical data integration. Nature Biotechnology, 2007, 25, 1251-1255.	17.5	1,955
39	Advancing translational research with the Semantic Web. BMC Bioinformatics, 2007, 8, S2.	2.6	214
40	Connectedness Profiles in Protein Networks for the Analysis of Gene Expression Data. , 2007, , 296-310.		0
41	Edge-count probabilities for the identification of local protein communities and their organization. Proteins: Structure, Function and Bioinformatics, 2005, 62, 800-818.	2.6	31
42	Detection of Activity Centers in Cellular Pathways Using Transcript Profiling. Journal of Biopharmaceutical Statistics, 2004, 14, 701-721.	0.8	11
43	Computational knowledge integration in biopharmaceutical research. Briefings in Bioinformatics, 2003, 4, 260-278.	6.5	37
44	<title>How I handled ambiguity in a system to read music scores</title>. , 1992, , .		0
45	Computing Fast Fourier Transforms On Boolean Cubes And Related Networks. , 1988, , .		12
46	MIREOT: the Minimum Information to Reference an External Ontology Term. Nature Precedings, 0, , .	0.1	14
47	Overcoming the Ontology Enrichment Bottleneck with Quick Term Templates. Nature Precedings, 0, , .	0.1	6
48	MIREOT: the Minimum Information to Reference an External Ontology Term. Nature Precedings, 0, , .	0.1	14
49	A Semantic Web for Neuroscience? What could that mean?. Frontiers in Neuroinformatics, 0, 3, .	2.5	0