

# Alan Ruttenberg

## List of Publications by Year in descending order

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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	The OBO Foundry: coordinated evolution of ontologies to support biomedical data integration. <i>Nature Biotechnology</i> , 2007, 25, 1251-1255.	17.5	1,955
2	The Ontology for Biomedical Investigations. <i>PLoS ONE</i> , 2016, 11, e0154556.	2.5	217
3	Advancing translational research with the Semantic Web. <i>BMC Bioinformatics</i> , 2007, 8, S2.	2.6	214
4	Modeling biomedical experimental processes with OBI. <i>Journal of Biomedical Semantics</i> , 2010, 1, S7.	1.6	207
5	The Cell Ontology 2016: enhanced content, modularization, and ontology interoperability. <i>Journal of Biomedical Semantics</i> , 2016, 7, 44.	1.6	201
6	Finding Our Way through Phenotypes. <i>PLoS Biology</i> , 2015, 13, e1002033.	5.6	178
7	OntoFox: web-based support for ontology reuse. <i>BMC Research Notes</i> , 2010, 3, 175.	1.4	145
8	The SWAN biomedical discourse ontology. <i>Journal of Biomedical Informatics</i> , 2008, 41, 739-751.	4.3	113
9	Ontobee: A linked ontology data server to support ontology term dereferencing, linkage, query and integration. <i>Nucleic Acids Research</i> , 2017, 45, D347-D352.	14.5	110
10	Life sciences on the Semantic Web: the Neurocommons and beyond. <i>Briefings in Bioinformatics</i> , 2009, 10, 193-204.	6.5	79
11	MIREOT: The minimum information to reference an external ontology term. <i>Applied Ontology</i> , 2011, 6, 23-33.	2.0	78
12	OBO Foundry in 2021: operationalizing open data principles to evaluate ontologies. <i>Database: the Journal of Biological Databases and Curation</i> , 2021, 2021, .	3.0	77
13	Protein Ontology (PRO): enhancing and scaling up the representation of protein entities. <i>Nucleic Acids Research</i> , 2017, 45, D339-D346.	14.5	73
14	Protein Ontology: a controlled structured network of protein entities. <i>Nucleic Acids Research</i> , 2014, 42, D415-D421.	14.5	63
15	Computational knowledge integration in biopharmaceutical research. <i>Briefings in Bioinformatics</i> , 2003, 4, 260-278.	6.5	37
16	The neurological disease ontology. <i>Journal of Biomedical Semantics</i> , 2013, 4, 42.	1.6	32
17	Edge-count probabilities for the identification of local protein communities and their organization. <i>Proteins: Structure, Function and Bioinformatics</i> , 2005, 62, 800-818.	2.6	31
18	A strategy for building neuroanatomy ontologies. <i>Bioinformatics</i> , 2012, 28, 1262-1269.	4.1	28

#	ARTICLE	IF	CITATIONS
19	OmniSearch: a semantic search system based on the Ontology for MicroRNA Target (OMIT) for microRNA-target gene interaction data. <i>Journal of Biomedical Semantics</i> , 2016, 7, 25.	1.6	27
20	flowCL: ontology-based cell population labelling in flow cytometry. <i>Bioinformatics</i> , 2015, 31, 1337-1339.	4.1	25
21	Meeting Report: BioSharing at ISMB 2010. <i>Standards in Genomic Sciences</i> , 2010, 3, 254-258.	1.5	19
22	BFO: Basic Formal Ontology1. <i>Applied Ontology</i> , 2022, 17, 17-43.	2.0	18
23	Developing the Quantitative Histopathology Image Ontology (QHIO): A case study using the hot spot detection problem. <i>Journal of Biomedical Informatics</i> , 2017, 66, 129-135.	4.3	16
24	MIREOT: the Minimum Information to Reference an External Ontology Term. <i>Nature Precedings</i> , 0, , .	0.1	14
25	The representation of protein complexes in the Protein Ontology (PRO). <i>BMC Bioinformatics</i> , 2011, 12, 371.	2.6	14
26	MIREOT: the Minimum Information to Reference an External Ontology Term. <i>Nature Precedings</i> , 0, , .	0.1	14
27	Computing Fast Fourier Transforms On Boolean Cubes And Related Networks. , 1988, , .		12
28	Detection of Activity Centers in Cellular Pathways Using Transcript Profiling. <i>Journal of Biopharmaceutical Statistics</i> , 2004, 14, 701-721.	0.8	11
29	The Logic of Surveillance Guidelines: An Analysis of Vaccine Adverse Event Reports from an Ontological Perspective. <i>PLoS ONE</i> , 2014, 9, e92632.	2.5	10
30	A semantic approach for knowledge capture of MicroRNA-Target gene interactions. , 2015, , .		10
31	The Non-Coding RNA Ontology (NCRO): a comprehensive resource for the unification of non-coding RNA biology. <i>Journal of Biomedical Semantics</i> , 2016, 7, 24.	1.6	10
32	The development of non-coding RNA ontology. <i>International Journal of Data Mining and Bioinformatics</i> , 2016, 15, 214.	0.1	9
33	Ontology and the Future of Dental Research Informatics. <i>Journal of the American Dental Association</i> , 2010, 141, 1173-1175.	1.5	8
34	Semantic SenseLab: Implementing the vision of the Semantic Web in neuroscience. <i>Artificial Intelligence in Medicine</i> , 2010, 48, 21-28.	6.5	7
35	Overcoming the ontology enrichment bottleneck with Quick Term Templates. <i>Applied Ontology</i> , 2011, 6, 13-22.	2.0	7
36	Overcoming the Ontology Enrichment Bottleneck with Quick Term Templates. <i>Nature Precedings</i> , 0, , .	0.1	6

#	ARTICLE	IF	CITATIONS
37	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
38	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
39	Taking shortcuts with OWL using safe macros. Nature Precedings, 2010, , .	0.1	2
40	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
41	Simplifying Access to Large-Scale Health Care and Life Sciences Datasets. , 2008, , 864-868.		2
42	Taking shortcuts with OWL using safe macros. Nature Precedings, 2011, , .	0.1	1
43	<title>How I handled ambiguity in a system to read music scores</title>. , 1992, , .		0
44	Report on semantic web for health care and life sciences workshop. , 2008, , .		0
45	MORE ABOUT ONTOLOGY: Authorsâ€™ response. Journal of the American Dental Association, 2011, 142, 252-254.	1.5	0
46	A domain ontology for the Non-Coding RNA field. , 2015, , .		0
47	Semantics-oriented data science and computational life sciences: Innovative application of semantic technologies in microRNA and lncRNA research. , 2017, , .		0
48	A Semantic Web for Neuroscience? What could that mean?. Frontiers in Neuroinformatics, 0, 3, .	2.5	0
49	Connectedness Profiles in Protein Networks for the Analysis of Gene Expression Data. , 2007, , 296-310.		0