Ontology Design Patterns for bio-ontologies: a case study on the Cell Cycle Ontology

DOI: 10.1186/1471-2105-9-s5-s1
BMC Bioinformatics, 2008, 9 Suppl 5, S1.

#	Paper	IF	Citations
43	Applying Ontology Design Patterns in Bio-ontologies. *Lecture Notes in Computer Science*, **2008**, 7-16	0.9	12
42	BioGateway: a semantic systems biology tool for the life sciences. *BMC Bioinformatics*, **2009**, 10 Suppl 10, S11	3.6	43
41	Towards a Pattern-Driven Topical Ontology Modeling Methodology in Elderly Care Homes. *Lecture Notes in Computer Science*, **2009**, 514-523	0.9	1
40	The Cell Cycle Ontology: an application ontology for the representation and integrated analysis of the cell cycle process. *Genome Biology*, **2009**, 10, R58	18.3	26
39	Applying the functional abnormality ontology pattern to anatomical functions. *Journal of Biomedical Semantics*, **2010**, 1, 4	2.2	12
38	Semi-automated ontology generation within OBO-Edit. *Bioinformatics*, **2010**, 26, i88-96	7.2	23
37	Technologies and Best Practices for Building Bio-Ontologies. **2010**, 67-86		1
36	Ontology design patterns to disambiguate relations between genes and gene products in GENIA. *Journal of Biomedical Semantics*, **2011**, 2 Suppl 5, S1	2.2	7
35	Les technologies du web sémantique pour un renouveau des systèmes experts en médecine. Principes, problèmes et propositions à partir de l'exemple du myélome dans le NCI-T. *Informatique Et Santé*, **2011**, 47-58		1
34	Predicting the extension of biomedical ontologies. *PLoS Computational Biology*, **2012**, 8, e1002630	5	22
33	OPPL-Galaxy. **2012**,		
32	Proposed actions are no actions: re-modeling an ontology design pattern with a realist top-level ontology. *Journal of Biomedical Semantics*, **2012**, 3 Suppl 2, S2	2.2	4
31	Populous: a tool for building OWL ontologies from templates. *BMC Bioinformatics*, **2012**, 13 Suppl 1, S5	3.6	22
30	Modeling functional Magnetic Resonance Imaging (fMRI) experimental variables in the Ontology of Experimental Variables and Values (OoEVV). *NeuroImage*, **2013**, 82, 662-70	7.9	7
29	The Semanticscience Integrated Ontology (SIO) for biomedical research and knowledge discovery. *Journal of Biomedical Semantics*, **2014**, 5, 14	2.2	101
28	Unification of multi-species vertebrate anatomy ontologies for comparative biology in Uberon. *Journal of Biomedical Semantics*, **2014**, 5, 21	2.2	80
27	The NeOn Methodology framework: A´scenario-based methodology for ontology´development. *Applied Ontology*, **2015**, 10, 107-145	1.4	78

26	A survey and classification of principles for domain-specific ontology design patterns development. *Applied Ontology*, **2015**, 10, 41-69	1.4	2
25	Ontorat: automatic generation of new ontology terms, annotations, and axioms based on ontology design patterns. *Journal of Biomedical Semantics*, **2015**, 6, 4	2.2	33
24	A survey on knowledge representation in materials science and engineering: An ontological perspective. *Computers in Industry*, **2015**, 73, 8-22	11.6	18
23	Ontology Engineering: From an Art to a Craft. *Lecture Notes in Computer Science*, **2016**, 174-181	0.9	
22	An Ontology Pattern for Emergency Event Modeling. **2016**,		1
21	Webulous and the Webulous Google Add-On--a web service and application for ontology building from templates. *Journal of Biomedical Semantics*, **2016**, 7, 17	2.2	6
20	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	10.2	6
19	Validating EHR clinical models using ontology patterns. *Journal of Biomedical Informatics*, **2017**, 76, 124-137	10.2	5
18	Toward a Framework for Smart City Strategies Design. **2018**,		3
17	Discovery of Emerging Design Patterns in Ontologies Using Tree Mining. *Semantic Web*, **2018**, 9, 517-544	2.4	8
16	The eXtensible ontology development (XOD) principles and tool implementation to support ontology interoperability. *Journal of Biomedical Semantics*, **2018**, 9, 3	2.2	32
15	Ontological and Non-Ontological Resources for Associating Medical Dictionary for Regulatory Activities Terms to SNOMED Clinical Terms With Semantic Properties. *Frontiers in Pharmacology*, **2019**, 10, 975	5.6	3
14	Quantitative evaluation of ontology design patterns for combining pathology and anatomy ontologies. *Scientific Reports*, **2019**, 9, 4025	4.9	5
13	Towards a Framework for Participatory Strategy Design in Smart Cities. *Lecture Notes in Intelligent Transportation and Infrastructure*, **2019**, 179-192	0.3	2
12	Employing knowledge patterns for auditing the Foundational Model of Anatomy. **2019**,		
11	The Sickle Cell Disease Ontology: enabling universal sickle cell-based knowledge representation. *Database: the Journal of Biological Databases and Curation*, **2019**, 2019,	5	6
10	The Semantic Publishing and Referencing Ontologies. *Law, Governance and Technology Series*, **2014**, 121-193		18
9	Ontology Design Patterns: Improving Findability and Composition. *Lecture Notes in Computer Science*, **2014**, 3-13	0.9	3

8	On Constructing, Grouping and Using Topical Ontology for Semantic Matching. *Lecture Notes in Computer Science*, **2009**, 816-825	0.9	3
7	A Linked Democracy Approach for Regulating Public Health Data. *Health and Technology*, **2017**, 7, 519-537	2.1	8
6	Quantitative evaluation of ontology design patterns for combining pathology and anatomy ontologies.		2
5	Ontology-Based Knowledge Representation of Experiment Metadata in Biological Data Mining. **2009**, 549-580		
4	Ontology Design Pattern Property Specialisation Strategies. *Lecture Notes in Computer Science*, **2014**, 165-180	0.9	1
3	Modifier Ontologies for frequency, certainty, degree, and coverage phenotype modifier. *Biodiversity Data Journal*, **2018**, e29232	1.8	
2	Knowledge Graphs. **2021**, 12, 1-257		20
1	Applications of ontology design patterns in biomedical ontologies. **2012**, 2012, 643-52	0.7	8