

# Olivier Bodenreider

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9464662/publications.pdf>

Version: 2024-02-01

99  
papers

4,921  
citations

304743

22  
h-index

106344

65  
g-index

100  
all docs

100  
docs citations

100  
times ranked

5218  
citing authors

#	ARTICLE	IF	CITATIONS
1	Context-Enriched Learning Models for Aligning Biomedical Vocabularies at Scale in the UMLS Metathesaurus. , 2022, , .		0
2	Adding an Attention Layer Improves the Performance of a Neural Network Architecture for Synonymy Prediction in the UMLS Metathesaurus. Studies in Health Technology and Informatics, 2022, , .	0.3	2
3	Sequential Mapping “ A Novel Approach to Map from ICD-10-CM to ICD-11. Studies in Health Technology and Informatics, 2022, , .	0.3	3
4	Biomedical Vocabulary Alignment at Scale in the UMLS Metathesaurus. , 2021, 2021, 2672-2683.		9
5	Feasibility of replacing the ICD-10-CM with the ICD-11 for morbidity coding: A content analysis. Journal of the American Medical Informatics Association: JAMIA, 2021, 28, 2404-2411.	4.4	11
6	Assessing the enrichment of dietary supplement coverage in the Unified Medical Language System. Journal of the American Medical Informatics Association: JAMIA, 2020, 27, 1547-1555.	4.4	6
7	The new International Classification of Diseases 11th edition: a comparative analysis with ICD-10 and ICD-10-CM. Journal of the American Medical Informatics Association: JAMIA, 2020, 27, 738-746.	4.4	42
8	Siamese KG-LSTM: A deep learning model for enriching UMLS Metathesaurus synonymy. , 2020, , .		1
9	Normalizing Dietary Supplement Product Names Using the RxNorm Model. Studies in Health Technology and Informatics, 2019, 264, 408-412.	0.3	1
10	Automatic Identification of Individual Drugs in Death Certificates. Studies in Health Technology and Informatics, 2019, 264, 183-187.	0.3	0
11	Auditing SNOMED CT hierarchical relations based on lexical features of concepts in non-lattice subgraphs. Journal of Biomedical Informatics, 2018, 78, 177-184.	4.3	26
12	Comparison of three commercial knowledge bases for detection of drug-drug interactions in clinical decision support. Journal of the American Medical Informatics Association: JAMIA, 2017, 24, 806-812.	4.4	50
13	Toward multimodal signal detection of adverse drug reactions. Journal of Biomedical Informatics, 2017, 76, 41-49.	4.3	28
14	Mining non-lattice subgraphs for detecting missing hierarchical relations and concepts in SNOMED CT. Journal of the American Medical Informatics Association: JAMIA, 2017, 24, 788-798.	4.4	44
15	Preparing for the ICD-10-CM Transition: Automated Methods for Translating ICD Codes in Clinical Phenotype Definitions. EGEMS (Washington, DC), 2017, 4, 4.	2.0	48
16	"Hybrid Topics" - Facilitating the Interpretation of Topics Through the Addition of MeSH Descriptors to Bags of Words. Studies in Health Technology and Informatics, 2017, 245, 662-666.	0.3	0
17	Terminology Status APIs - Mapping Obsolete Codes to Current RxNorm, SNOMED CT, and LOINC Concepts. Studies in Health Technology and Informatics, 2017, 245, 1333.	0.3	0
18	Interoperability of Medication Classification Systems: Lessons Learned Mapping Established Pharmacologic Classes (EPCs) to SNOMED CT. Studies in Health Technology and Informatics, 2017, 245, 920-924.	0.3	3

#	ARTICLE	IF	CITATIONS
19	Interoperability of Disease Concepts in Clinical and Research Ontologies: Contrasting Coverage and Structure in the Disease Ontology and SNOMED CT. <i>Studies in Health Technology and Informatics</i> , 2017, 245, 925-929.	0.3	4
20	Eliciting the Intension of Drug Value Sets - Principles and Quality Assurance Applications. <i>Studies in Health Technology and Informatics</i> , 2017, 245, 843-847.	0.3	1
21	MetaMap Lite in Excel: Biomedical Named-Entity Recognition for Non-Technical Users. <i>Studies in Health Technology and Informatics</i> , 2017, 245, 1252.	0.3	2
22	Trends in Fetal Medicine: A 10-Year Bibliometric Analysis of Prenatal Diagnosis. <i>Studies in Health Technology and Informatics</i> , 2017, 245, 853-857.	0.3	1
23	The digital revolution in phenotyping. <i>Briefings in Bioinformatics</i> , 2016, 17, 819-830.	6.5	41
24	The national library of medicine pill image recognition challenge: An initial report. , 2016, 2016, .		22
25	Interoperability between phenotypes in research and healthcare terminologies—Investigating partial mappings between HPO and SNOMED CT. <i>Journal of Biomedical Semantics</i> , 2016, 7, 3.	1.6	39
26	The Drug Data to Knowledge Pipeline: Large-Scale Claims Data Classification for Pharmacologic Insight. <i>AMIA Summits on Translational Science Proceedings</i> , 2016, 2016, 105-11.	0.4	1
27	Evaluating drug-drug interaction information in NDF-RT and DrugBank. <i>Journal of Biomedical Semantics</i> , 2015, 6, 19.	1.6	18
28	Leveraging MEDLINE indexing for pharmacovigilance — Inherent limitations and mitigation strategies. <i>Journal of Biomedical Informatics</i> , 2015, 57, 425-435.	4.3	20
29	Context-driven automatic subgraph creation for literature-based discovery. <i>Journal of Biomedical Informatics</i> , 2015, 54, 141-157.	4.3	58
30	Exploring adverse drug events at the class level. <i>Journal of Biomedical Semantics</i> , 2015, 6, 18.	1.6	9
31	Using description logics to evaluate the consistency of drug-class membership relations in NDF-RT. <i>Journal of Biomedical Semantics</i> , 2015, 6, 13.	1.6	3
32	Mining Relation Reversals in the Evolution of SNOMED CT Using MapReduce. <i>AMIA Summits on Translational Science Proceedings</i> , 2015, 2015, 46-50.	0.4	6
33	Approaches to Supporting the Analysis of Historical Medication Datasets with RxNorm. <i>AMIA ... Annual Symposium proceedings</i> , 2015, 2015, 1034-41.	0.2	3
34	Extending the coverage of phenotypes in SNOMED CT through post-coordination. <i>Studies in Health Technology and Informatics</i> , 2015, 216, 795-9.	0.3	4
35	Fingerprinting Biomedical Terminologies—Automatic Classification and Visualization of Biomedical Vocabularies through UMLS Semantic Group Profiles. <i>Studies in Health Technology and Informatics</i> , 2015, 216, 771-5.	0.3	0
36	MaPLE: A MapReduce Pipeline for Lattice-based Evaluation and its application to SNOMED CT. , 2014, 2014, 754-759.		18

#	ARTICLE	IF	CITATIONS
37	Don't like RDF reification?. , 2014, 2014, 759-770.		75
38	A framework for assessing the consistency of drug classes across sources. Journal of Biomedical Semantics, 2014, 5, 30.	1.6	11
39	A time-indexed reference standard of adverse drug reactions. Scientific Data, 2014, 1, 140043.	5.3	33
40	Analyzing U.S. prescription lists with RxNorm and the ATC/DDD Index. AMIA ... Annual Symposium proceedings, 2014, 2014, 297-306.	0.2	8
41	Desiderata for an authoritative Representation of MeSH in RDF. AMIA ... Annual Symposium proceedings, 2014, 2014, 1218-27.	0.2	2
42	Coverage of rare disease names in standard terminologies and implications for patients, providers, and research. AMIA ... Annual Symposium proceedings, 2014, 2014, 564-72.	0.2	6
43	From Concept Representations to Ontologies: A Paradigm Shift in Health Informatics?. Healthcare Informatics Research, 2013, 19, 235.	1.9	23
44	Metrics for assessing the quality of value sets in clinical quality measures. AMIA ... Annual Symposium proceedings, 2013, 2013, 1497-505.	0.2	11
45	Leveraging terminological resources for mapping between rare disease information sources. Studies in Health Technology and Informatics, 2013, 192, 529-33.	0.3	6
46	The NLM value set authority center. Studies in Health Technology and Informatics, 2013, 192, 1224.	0.3	29
47	Medical concept representation: the years beyond 2000. Studies in Health Technology and Informatics, 2013, 192, 1011.	0.3	0
48	Enabling complex queries to drug information sources through functional composition. Studies in Health Technology and Informatics, 2013, 192, 692-6.	0.3	4
49	Exploring pharmacoepidemiologic groupings of drugs from a clinical perspective. Studies in Health Technology and Informatics, 2013, 192, 827-31.	0.3	3
50	Ontologies and terminologies: Continuum or dichotomy?. Applied Ontology, 2012, 7, 375-386.	2.0	9
51	Comparing and evaluating terminology services application programming interfaces: RxNav, UMLSKS and LexBIG. Journal of the American Medical Informatics Association: JAMIA, 2010, 17, 714-719.	4.4	6
52	Extracting Rx information from clinical narrative. Journal of the American Medical Informatics Association: JAMIA, 2010, 17, 536-539.	4.4	26
53	Provenance Context Entity (PaCE): Scalable Provenance Tracking for Scientific RDF Data. Lecture Notes in Computer Science, 2010, 6187, 461-470.	1.3	21
54	Using SPARQL to Test for Lattices: Application to Quality Assurance in Biomedical Ontologies. Lecture Notes in Computer Science, 2010, 6497, 273-288.	1.3	18

#	ARTICLE	IF	CITATIONS
55	Investigating drug classes in biomedical terminologies from the perspective of clinical decision support. AMIA ... Annual Symposium proceedings, 2010, 2010, 56-60.	0.2	3
56	Large-scale, Exhaustive Lattice-based Structural Auditing of SNOMED CT. AMIA ... Annual Symposium proceedings, 2010, 2010, 922-6.	0.2	29
57	Combining relevance assignment with quality of the evidence to support guideline development. Studies in Health Technology and Informatics, 2010, 160, 709-13.	0.3	7
58	A framework for comparing phenotype annotations of orthologous genes. Studies in Health Technology and Informatics, 2010, 160, 1309-13.	0.3	4
59	Using the abstraction network in complement to description logics for quality assurance in biomedical terminologies - a case study in SNOMED CT. Studies in Health Technology and Informatics, 2010, 160, 1070-4.	0.3	18
60	Exploiting UMLS semantics for checking semantic consistency among UMLS concepts. Studies in Health Technology and Informatics, 2010, 160, 749-53.	0.3	5
61	Desiderata for an ontology of diseases for the annotation of biological datasets.. Nature Precedings, 2009, , .	0.1	0
62	Towards Desiderata for an Ontology of Diseases for the Annotation of Biological Datasets. Nature Precedings, 2009, , .	0.1	2
63	Creating a Translational Medicine Ontology. Nature Precedings, 2009, , .	0.1	0
64	A graph-based approach to auditing RxNorm. Journal of Biomedical Informatics, 2009, 42, 558-570.	4.3	9
65	Mining association rules among gene functions in clusters of similar gene expression maps. , 2009, 2009, 254-259.		5
66	Using SNOMED CT in combination with MedDRA for reporting signal detection and adverse drug reactions reporting. AMIA ... Annual Symposium proceedings, 2009, 2009, 45-9.	0.2	13
67	Ontology Summit 2007 " Ontology, taxonomy, folksonomy: Understanding the distinctions. Applied Ontology, 2008, 3, 191-200.	2.0	23
68	Guest-editorial. Applied Ontology, 2008, 3, 201-203.	2.0	1
69	The biological function of some human transcription factor binding motifs varies with position relative to the transcription start site. Nucleic Acids Research, 2008, 36, 2777-2786.	14.5	19
70	Issues in mapping LOINC laboratory tests to SNOMED CT. AMIA ... Annual Symposium proceedings, 2008, , 51-5.	0.2	12
71	Comparing two approaches for aligning representations of anatomy. Artificial Intelligence in Medicine, 2007, 39, 227-236.	6.5	14
72	Investigating subsumption in SNOMED CT: An exploration into large description logic-based biomedical terminologies. Artificial Intelligence in Medicine, 2007, 39, 183-195.	6.5	76

#	ARTICLE	IF	CITATIONS
73	Predictive Integration of Gene Ontology-Driven Similarity and Functional Interactions. , 2006, 2006, 114-119.		19
74	Co-Evolutionary Rates of Functionally Related Yeast Genes. Evolutionary Bioinformatics, 2006, 2, 117693430600200.	1.2	14
75	Law and order: Assessing and enforcing compliance with ontological modeling principles in the Foundational Model of Anatomy. Computers in Biology and Medicine, 2006, 36, 674-693.	7.0	29
76	The foundational model of anatomy in OWL: Experience and perspectives. Web Semantics, 2006, 4, 181-195.	2.9	87
77	Ontological research and its applications to the biomedical domain. Proceedings of the American Society for Information Science and Technology, 2006, 42, n/a-n/a.	0.2	0
78	Bio-ontologies: current trends and future directions. Briefings in Bioinformatics, 2006, 7, 256-274.	6.5	315
79	Comparing the representation of anatomy in the FMA and SNOMED CT. AMIA ... Annual Symposium proceedings, 2006, , 46-50.	0.2	10
80	EXPERIENCE IN REASONING WITH THE FOUNDATIONAL MODEL OF ANATOMY IN OWL DL. , 2005, , .		11
81	Of mice and men: aligning mouse and human anatomies. AMIA ... Annual Symposium proceedings, 2005, , 61-5.	0.2	24
82	Issues in the classification of disease instances with ontologies. Studies in Health Technology and Informatics, 2005, 116, 695-700.	0.3	7
83	Non-lexical approaches to identifying associative relations in the gene ontology. Pacific Symposium on Biocomputing Pacific Symposium on Biocomputing, 2005, , 91-102.	0.7	31
84	Gene expression correlation and gene ontology-based similarity: an assessment of quantitative relationships. , 2004, 2004, 25-31.		98
85	Incorporating ontology-driven similarity knowledge into functional genomics: an exploratory study. , 2004, 2004, 317-324.		27
86	The Unified Medical Language System (UMLS): integrating biomedical terminology. Nucleic Acids Research, 2004, 32, 267D-270.	14.5	2,858
87	NON-LEXICAL APPROACHES TO IDENTIFYING ASSOCIATIVE RELATIONS IN THE GENE ONTOLOGY. , 2004, , .		44
88	Comparing associative relationships among equivalent concepts across ontologies. Studies in Health Technology and Informatics, 2004, 107, 459-66.	0.3	6
89	Aligning knowledge sources in the UMLS: methods, quantitative results, and applications. Studies in Health Technology and Informatics, 2004, 107, 327-31.	0.3	14
90	The Ontology-Epistemology Divide: A Case Study in Medical Terminology. , 2004, 2004, 185-195.		19

#	ARTICLE	IF	CITATIONS
91	Exploring semantic groups through visual approaches. Journal of Biomedical Informatics, 2003, 36, 414-432.	4.3	133
92	Graphical visualization and navigation of genetic disease information. AMIA ... Annual Symposium proceedings, 2003, , 792.	0.2	1
93	Strength in numbers: exploring redundancy in hierarchical relations across biomedical terminologies. AMIA ... Annual Symposium proceedings, 2003, , 101-5.	0.2	17
94	Evaluation of WordNet as a source of lay knowledge for molecular biology and genetic diseases: a feasibility study. Studies in Health Technology and Informatics, 2003, 95, 379-84.	0.3	7
95	Assessing the consistency of a biomedical terminology through lexical knowledge. International Journal of Medical Informatics, 2002, 67, 85-95.	3.3	26
96	Session Introduction. , 2002, , .		0
97	Evaluation of the UMLS as a terminology and knowledge resource for biomedical informatics. Proceedings, 2002, , 61-5.	0.6	23
98	Periosteum and bone marrow in bone lengthening: A DEXA quantitative evaluation in rabbits. Acta Orthopaedica, 1998, 69, 527-531.	1.4	42
99	Towards Desiderata for an Ontology of Diseases for the Annotation of Biological Datasets. Nature Precedings, 0, , .	0.1	2