## The GRAIL concept modelling language for medical terr

Artificial Intelligence in Medicine 9, 139-171 DOI: 10.1016/s0933-3657(96)00369-7

**Citation Report** 

#	Article	IF	CITATIONS
1	A conceptual model of diagnostic findings in echocardiography. , 0, , .		0
2	Terminologies and terminology servers for information environments. , 0, , .		10
3	Internet integrated in the daily medical practice within an electronic patient record. Computers in Biology and Medicine, 1998, 28, 567-579.	3.9	21
4	Reconciling users' needs and formal requirements: issues in developing a reusable ontology for medicine. IEEE Transactions on Information Technology in Biomedicine, 1998, 2, 229-242.	3.6	42
5	Computerised electrocardiology employing bi-group neural networks. Artificial Intelligence in Medicine, 1998, 13, 167-180.	3.8	5
6	The use of a computerized brain atlas to support knowledge-based training in radiology. Artificial Intelligence in Medicine, 1998, 13, 181-205.	3.8	15
7	Practical development of re-usable terminologies: GALEN-IN-USE and the GALEN Organisation. International Journal of Medical Informatics, 1998, 48, 71-84.	1.6	20
8	The ICNP's relevance in the US. International Nursing Review, 1998, 45, 153-158.	1.5	7
9	TourisT., 1998,,.		9
10	A Review of Major Nursing Vocabularies and the Extent to Which They Have the Characteristics Required for Implementation in Computer-based Systems. Journal of the American Medical Informatics Association: JAMIA, 1998, 5, 321-328.	2.2	47
11	Modeling Nursing Terminology Using the GRAIL Representation Language. Journal of the American Medical Informatics Association: JAMIA, 1998, 5, 120-128.	2.2	47
12	Motivation and Organizational Principles for Anatomical Knowledge Representation: The Digital Anatomist Symbolic Knowledge Base. Journal of the American Medical Informatics Association: JAMIA, 1998, 5, 17-40.	2.2	146
13	Conceptual modelling for configuration: A description logic-based approach. Artificial Intelligence for Engineering Design, Analysis and Manufacturing: AIEDAM, 1998, 12, 333-344.	0.7	64
14	Scalable Software Architectures for Decision Support. Methods of Information in Medicine, 1999, 38, 229-238.	0.7	26
15	Optimizing description logic subsumption. Journal of Logic and Computation, 1999, 9, 267-293.	0.5	111
16	Query processing in the TAMBIS bioinformatics source integration system. , 0, , .		59
17	How knowledge drives understanding—matching medical ontologies with the needs of medical language processing. Artificial Intelligence in Medicine, 1999, 15, 25-51.	3.8	40
18	Representation of change in controlled medical terminologies. Artificial Intelligence in Medicine, 1999, 15, 53-76.	3.8	53

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#	ARTICLE	IF	CITATIONS
19	A methodology for partitioning a vocabulary hierarchy into trees. Artificial Intelligence in Medicine, 1999, 15, 77-98.	3.8	30
20	Formal description of temporal knowledge in case reports. Artificial Intelligence in Medicine, 1999, 16, 251-282.	3.8	8
21	Discourse structures in medical reports—Watch out! The generation of referentially coherent and valid text knowledge bases in the medSYNDIKATE system. International Journal of Medical Informatics, 1999, 53, 1-28.	1.6	30
22	Natural language generation of surgical procedures. International Journal of Medical Informatics, 1999, 53, 175-192.	1.6	19
23	Guiding the user: an ontology driven interface. , 1999, , .		20
24	Part-whole reasoning: a case study in medical ontology engineering. IEEE Intelligent Systems, 1999, 14, 59-67.	0.2	26
25	Benefits of an Object-oriented Database Representation for Controlled Medical Terminologies. Journal of the American Medical Informatics Association: JAMIA, 1999, 6, 283-303.	2.2	27
26	Standards for Nursing Terminology. Journal of the American Medical Informatics Association: JAMIA, 2000, 7, 523-528.	2.2	52
27	Evaluation of the Clinical LOINC (Logical Observation Identifiers, Names, and Codes) Semantic Structure as a Terminology Model for Standardized Assessment Measures. Journal of the American Medical Informatics Association: JAMIA, 2000, 7, 529-538.	2.2	58
28	Morpheme-based, cross-lingual indexing for medical document retrieval. International Journal of Medical Informatics, 2000, 58-59, 87-99.	1.6	21
29	Formal description of disease courses. Artificial Intelligence in Medicine, 2000, 18, 29-55.	3.8	2
30	Trial summary software. Computer Methods and Programs in Biomedicine, 2000, 61, 49-60.	2.6	6
31	Ontology-based knowledge representation for bioinformatics. Briefings in Bioinformatics, 2000, 1, 398-414.	3.2	272
32	A compiler to transfer controlled vocabularies and ontologies represented in an object-oriented programming language into text mark-up languages. , 0, , .		0
33	Understanding Terminological Systems I: Terminology and Typology. Methods of Information in Medicine, 2000, 39, 16-21.	0.7	63
34	OIL in a Nutshell. Lecture Notes in Computer Science, 2000, , 1-16.	1.0	167
36	Modelling and reclassification of surgical procedures - experiences from the use of GALEN methods in the domain of thoracic surgery. Informatics for Health and Social Care, 2000, 25, 109-122.	1.0	2
38	Representing Nursing Activities within a Concept-oriented Terminological System: Evaluation of a Type Definition. Journal of the American Medical Informatics Association: JAMIA, 2000, 7, 81-90.	2.2	49

#	Article	IF	CITATIONS
39	Toward Vocabulary Domain Specifications for Health Level 7coded Data Elements. Journal of the American Medical Informatics Association: JAMIA, 2000, 7, 333-342.	2.2	44
40	Transparent access to multiple bioinformatics information sources. IBM Systems Journal, 2001, 40, 532-551.	3.1	147
42	Knowledge-based systems for automatic ventilatory management. Respiratory Care Clinics of North America, 2001, 7, 379-396.	0.5	25
43	Requirements for Medical Modeling Languages. Journal of the American Medical Informatics Association: JAMIA, 2001, 8, 146-162.	2.2	11
44	Thesaurus construction through knowledge representation. Data and Knowledge Engineering, 2001, 37, 25-45.	2.1	22
45	Accessing Heterogeneous Sources of Evidence to Answer Clinical Questions. Journal of Biomedical Informatics, 2001, 34, 85-98.	2.5	32
46	Symbolic Representation of Anatomical Knowledge: Concept Classification and Development Strategies. Journal of Biomedical Informatics, 2001, 34, 321-347.	2.5	4
47	Classification of procedures in the domain of thoracic surgerya study of reliability in coding. Journal of Medical Systems, 2001, 25, 47-61.	2.2	3
48	AIM: a personal view of where I have been and where we might be going. Artificial Intelligence in Medicine, 2001, 23, 111-127.	3.8	7
49	Medical knowledge reengineering—converting major portions of the UMLS into a terminological knowledge base. International Journal of Medical Informatics, 2001, 64, 207-221.	1.6	36
50	Progress with Formalization in Medical Informatics?. Journal of the American Medical Informatics Association: JAMIA, 2001, 8, 126-130.	2.2	3
51	A UMLS-based Knowledge Acquisition Tool for Rule-based Clinical Decision Support System Development. Journal of the American Medical Informatics Association: JAMIA, 2001, 8, 351-360.	2.2	71
52	Structural Validation of Nursing Terminologies. Journal of the American Medical Informatics Association: JAMIA, 2001, 8, 212-221.	2.2	44
54	Using OODB modeling to partition a vocabulary into structurally and semantically uniform concept groups. IEEE Transactions on Knowledge and Data Engineering, 2002, 14, 850-866.	4.0	10
55	240,000 concepts and relations-towards mega knowledge bases for real-world applications. , 0, , .		0
57	Building a bioinformatics ontology using OIL. IEEE Transactions on Information Technology in Biomedicine, 2002, 6, 135-141.	3.6	44
58	Assessing the consistency of a biomedical terminology through lexical knowledge. International Journal of Medical Informatics, 2002, 67, 85-95.	1.6	26
59	Formal nursing terminology systems: a means to an end. Journal of Biomedical Informatics, 2002, 35, 298-305.	2.5	22

#	Article	IF	CITATIONS
60	Efficient Transitive Closure Reasoning in a Combined Class/Part/Containment Hierarchy. Knowledge and Information Systems, 2002, 4, 305-328.	2.1	6
61	Combinations of Modal Logics. Artificial Intelligence Review, 2002, 17, 1-20.	9.7	34
62	Determining sources for formal nursing terminology systems. Journal of Biomedical Informatics, 2003, 36, 279-286.	2.5	7
63	Enhancing OODB semantics to support browsing in an OODB vocabulary representation. Concurrency Computation Practice and Experience, 2003, 15, 845-869.	1.4	0
64	Turning Informal Thesauri into Formal Ontologies: A Feasibility Study on Biomedical Knowledge Re-Use. Comparative and Functional Genomics, 2003, 4, 94-97.	2.0	6
66	Modularisation of domain ontologies implemented in description logics and related formalisms including OWL. , 2003, , .		119
67	UML-based domain ontology modeling for multi-agent system. , 0, , .		4
68	Logical Ontology for Mediating between Nursing Intervention Terminology Systems. Methods of Information in Medicine, 2003, 42, 265-270.	0.7	11
69	A Flexible Data Processing Technique for a Tele-assistance System of Elderly People. Lecture Notes in Computer Science, 2004, , 270-281.	1.0	2
70	A proposal for an owl rules language. , 2004, , .		177
70	A proposal for an owl rules language. , 2004, , . Handbook on Ontologies. , 2004, , .		177 375
70 71 72	A proposal for an owl rules language., 2004, , .         Handbook on Ontologies., 2004, , .         Ontology development for unified traditional Chinese medical language system. Artificial Intelligence in Medicine, 2004, 32, 15-27.	3.8	177 375 114
70 71 72 73	A proposal for an owl rules language., 2004, , .         Handbook on Ontologies., 2004, , .         Ontology development for unified traditional Chinese medical language system. Artificial Intelligence in Medicine, 2004, 32, 15-27.         UCTx: A Multi-Agent System to Assist a Transplant Coordination Unit. Applied Intelligence, 2004, 20, 59-70.	3.8 3.3	177 375 114 13
70 71 72 73 74	A proposal for an owl rules language., 2004, ,.         Handbook on Ontologies., 2004, ,.         Ontology development for unified traditional Chinese medical language system. Artificial Intelligence in Medicine, 2004, 32, 15-27.         UCTx: A Multi-Agent System to Assist a Transplant Coordination Unit. Applied Intelligence, 2004, 20, 59-70.         Processes and Problems in the Formative Evaluation of an Interface to the Foundational Model of Anatomy Knowledge Base. Journal of the American Medical Informatics Association: JAMIA, 2004, 12, 35-46.	3.8 3.3 2.2	177 375 114 13
<ul> <li>70</li> <li>71</li> <li>72</li> <li>73</li> <li>74</li> <li>75</li> </ul>	A proposal for an owl rules language., 2004, , .         Handbook on Ontologies., 2004, , .         Ontology development for unified traditional Chinese medical language system. Artificial Intelligence in Medicine, 2004, 32, 15-27.         UCTx: A Multi-Agent System to Assist a Transplant Coordination Unit. Applied Intelligence, 2004, 20, 59-70.         Processes and Problems in the Formative Evaluation of an Interface to the Foundational Model of Anatomy Knowledge Base. Journal of the American Medical Informatics Association: JAMIA, 2004, 12, 35-46.         QIS: A Framework for Biomedical Database Federation. Journal of the American Medical Informatics Association: JAMIA, 2004, 11, 523-534.	3.8 3.3 2.2 2.2	177 375 114 13 5 24
<ul> <li>70</li> <li>71</li> <li>72</li> <li>73</li> <li>74</li> <li>75</li> <li>76</li> </ul>	A proposal for an owl rules language., 2004, , .         Handbook on Ontologies., 2004, , .         Ontology development for unified traditional Chinese medical language system. Artificial Intelligence in Medicine, 2004, 32, 15-27.         UCTx: A Multi-Agent System to Assist a Transplant Coordination Unit. Applied Intelligence, 2004, 20, 59-70.         Processes and Problems in the Formative Evaluation of an Interface to the Foundational Model of Anatomy Knowledge Base. Journal of the American Medical Informatics Association: JAMIA, 2004, 12, 35-46.         QIS: A Framework for Biomedical Database Federation. Journal of the American Medical Informatics Association: JAMIA, 2004, 11, 523-534.         Creation of a Master Table for Checking Indication and Contraindication of Medicine from a Knowledge Base Linked with a Thesaurus Journal of Medical Systems, 2004, 28, 561-573.	3.8 3.3 2.2 2.2 2.2	177 375 114 13 5 24 3
<ul> <li>70</li> <li>71</li> <li>72</li> <li>73</li> <li>74</li> <li>75</li> <li>76</li> <li>77</li> </ul>	A proposal for an owl rules language., 2004,,.         Handbook on Ontologies., 2004,,.         Ontology development for unified traditional Chinese medical language system. Artificial Intelligence In Medicine, 2004, 32, 15-27.         UCTx: A Multi-Agent System to Assist a Transplant Coordination Unit. Applied Intelligence, 2004, 20, 59-70.         Processes and Problems in the Formative Evaluation of an Interface to the Foundational Model of Anatomy Knowledge Base. Journal of the American Medical Informatics Association: JAMIA, 2004, 12, 35-46.         QIS: A Framework for Biomedical Database Federation. Journal of the American Medical Informatics Association: JAMIA, 2004, 11, 523-534.         Creation of a Master Table for Checking Indication and Contraindication of Medicine from a Knowledge Base Linked with a Thesaurus. Journal of Medical Systems, 2004, 28, 561-573.         Ontologies for Knowledge Management: An Information Systems Perspective. Knowledge and Information Systems, 2004, 6, 380-401.	3.8 3.3 2.2 2.2 2.2 2.1	177 375 114 13 5 24 3 155

# 81	ARTICLE protégé as a vehicle for developing medical terminological systems. International Journal of Human Computer Studies, 2005, 62, 639-663.	IF 3.7	CITATIONS
82	OWL rules: A proposal and prototype implementation. Web Semantics, 2005, 3, 23-40.	2.2	251
83	Part-whole representation and reasoning in formal biomedical ontologies. Artificial Intelligence in Medicine, 2005, 34, 179-200.	3.8	43
84	Ontologies for natural language processing. , 2005, , .		1
85	TAMBIS: transparent access to multiple bioinformatics services. , 2005, , .		1
87	Biomedical Ontologies. , 2005, , 211-236.		11
90	The Common Data Elements for Cancer Research: Remarks on Functions and Structure. Methods of Information in Medicine, 2006, 45, 594-601.	0.7	41
91	Ontology integration: Experience with medical terminologies. Computers in Biology and Medicine, 2006, 36, 893-919.	3.9	23
92	MachineProse: An Ontological Framework for Scientific Assertions. Journal of the American Medical Informatics Association: JAMIA, 2006, 13, 220-232.	2.2	10
93	Interface Terminologies: Facilitating Direct Entry of Clinical Data into Electronic Health Record Systems. Journal of the American Medical Informatics Association: JAMIA, 2006, 13, 277-288.	2.2	176
94	Use of SNOMED CT to Represent Clinical Research Data: A Semantic Characterization of Data Items on Case Report Forms in Vasculitis Research. Journal of the American Medical Informatics Association: JAMIA, 2006, 13, 536-546.	2.2	48
95	The Life Sciences Semantic Web is Full of Creeps!. Briefings in Bioinformatics, 2006, 7, 275-286.	3.2	73
96	Bio-ontologies: current trends and future directions. Briefings in Bioinformatics, 2006, 7, 256-274.	3.2	315
97	Ontologies for Molecular Biology. , 0, , 1061-1086.		1
98	Modeling biomedical assertions in the semantic web. , 2007, , .		2
99	Ontologies, vocabularies, and data models. , 2007, , 307-324.		8
100	Experience in Aligning AnatomicalOntologies. International Journal on Semantic Web and Information Systems, 2007, 3, 1-26.	2.2	49
101	Spatial location and its relevance for terminological inferences in bio-ontologies. BMC Bioinformatics, 2007, 8, 134.	1.2	9

#	Article	IF	Citations
102	Interpretation of an international terminology standard in the development of a logic-based compositional terminology. International Journal of Medical Informatics, 2007, 76, S274-S280.	1.6	18
103	Using semantic dependencies for consistency management of an ontology of brain–cortex anatomy. Artificial Intelligence in Medicine, 2007, 39, 217-225.	3.8	4
104	Comparing two approaches for aligning representations of anatomy. Artificial Intelligence in Medicine, 2007, 39, 227-236.	3.8	14
105	Variation of SNOMED CT Coding of Clinical Research Concepts among Coding Experts. Journal of the American Medical Informatics Association: JAMIA, 2007, 14, 497-506.	2.2	52
106	An Electronic Health Record Based on Structured Narrative. Journal of the American Medical Informatics Association: JAMIA, 2008, 15, 54-64.	2.2	116
107	Why Do It the Hard Way? The Case for an Expressive Description Logic for SNOMED. Journal of the American Medical Informatics Association: JAMIA, 2008, 15, 744-751.	2.2	50
108	Automated comparative auditing of NCIT genomic roles using NCBI. Journal of Biomedical Informatics, 2008, 41, 904-913.	2.5	13
109	Definitions and Qualifiers in SNOMED CT. Methods of Information in Medicine, 2009, 48, 178-183.	0.7	15
110	Visualization in Ontology Tools. , 2009, , .		26
111	Managing the mappings between domain ontologies and database schemas when formulating relational queries. , 2009, , .		4
112	Achieving Clinical Statement Interoperability Using R-MIM and Archetype-Based Semantic Transformations. IEEE Transactions on Information Technology in Biomedicine, 2009, 13, 467-477.	3.6	31
113	A model-driven approach for representing clinical archetypes for Semantic Web environments. Journal of Biomedical Informatics, 2009, 42, 150-164.	2.5	63
114	Modular Ontologies. Lecture Notes in Computer Science, 2009, , .	1.0	62
116	Auditing the Semantic Completeness of SNOMED CT Using Formal Concept Analysis. Journal of the American Medical Informatics Association: JAMIA, 2009, 16, 89-102.	2.2	54
117	Biomedical question answering: A survey. Computer Methods and Programs in Biomedicine, 2010, 99, 1-24.	2.6	137
118	Information Systems and Healthcare XXXIV: Clinical Knowledge Management Systems—Literature Review and Research Issues for Information Systems. Communications of the Association for Information Systems, 2010, 26, .	0.7	7
119	Developing a kidney and urinary pathway knowledge base. Journal of Biomedical Semantics, 2011, 2, S7.	0.9	29
120	Transparent mediation-based access to multiple yeast data sources using an ontology driven interface. BMC Bioinformatics, 2012, 13, S7.	1.2	4

#	Article	IF	CITATIONS
121	Interface Terminologies. Computers in Health Care, 2012, , 95-106.	0.2	0
122	Effective support of databases with ontological dependencies: Relational languages instead of description logics. Programming and Computer Software, 2012, 38, 315-326.	0.5	1
123	Ontology Development for Unified Traditional Chinese Medical Language System. , 2012, , 109-127.		0
124	A usability evaluation of a SNOMED CT based compositional interface terminology for intensive care. International Journal of Medical Informatics, 2012, 81, 351-362.	1.6	28
125	Validating the semantics of a medical iconic language using ontological reasoning. Journal of Biomedical Informatics, 2013, 46, 56-67.	2.5	17
126	Axioms & templates. , 2013, , .		5
128	Formal Ontologies in Biomedical Knowledge Representation. Yearbook of Medical Informatics, 2013, 22, 132-146.	0.8	20
129	Symbolic Biomedical Knowledge. , 2014, , 179-341.		0
130	A Domain Specific Ontology Authoring Environment for a Clinical Documentation System. , 2014, , .		1
131	Using Metrics of Curation to Evaluate Information-Based Ideation. ACM Transactions on Computer-Human Interaction, 2014, 21, 1-48.	4.6	75
132	Operation room tool handling and miscommunication scenarios: An object-process methodology conceptual model. Artificial Intelligence in Medicine, 2014, 62, 153-163.	3.8	7
134	Estimating and Analysing Coordination in Medical Terminologies. , 2014, , .		1
135	The Incredible ELK. Journal of Automated Reasoning, 2014, 53, 1-61.	1.1	167
136	Ontologies, Vocabularies and Data Models. , 2014, , 465-498.		0
137	Development of application ontology of Lenke's classification of scoliosis $\hat{a} \in$ "OBR-Scolio. , 2015, , .		0
138	A generic and high-performance RDF instance generator. International Journal of Web Engineering and Technology, 2016, 11, 133.	0.1	1
139	Dione: An OWL representation of ICD-10-CM for classifying patients' diseases. Journal of Biomedical Semantics, 2016, 7, 62.	0.9	12
140	Use of ontology structure and Bayesian models to aid the crowdsourcing of ICD-11 sanctioning rules. Journal of Biomedical Informatics, 2017, 68, 20-34.	2.5	11

#	Article	IF	CITATIONS
141	Formalization of the semantics of iconic languages: An ontology-based method and four semantic-powered applications. Knowledge-Based Systems, 2017, 135, 159-179.	4.0	3
142	Mapping scientific landscapes in UMLS research: a scientometric review. Journal of the American Medical Informatics Association: JAMIA, 2020, 27, 1612-1624.	2.2	13
144	System Description: DLP. Lecture Notes in Computer Science, 2000, , 297-301.	1.0	5
145	Reasoning Support for Expressive Ontology Languages Using a Theorem Prover. Lecture Notes in Computer Science, 2006, , 201-218.	1.0	19
146	Ontological and Practical Issues in Using a Description Logic to Represent Medical Concept Systems: Experience from GALEN. Lecture Notes in Computer Science, 2006, , 197-231.	1.0	46
148	OilEd: A Reason-able Ontology Editor for the Semantic Web. Lecture Notes in Computer Science, 2001, , 396-408.	1.0	170
149	Towards Very Large Terminological Knowledge Bases: A Case Study from Medicine. Lecture Notes in Computer Science, 2000, , 176-186.	1.0	10
150	Parts, Locations, and Holes — Formal Reasoning about Anatomical Structures. Lecture Notes in Computer Science, 2001, , 293-303.	1.0	15
151	Classification Based Navigation and Retrieval for Picture Archives. , 1999, , 291-310.		5
152	Design and Implementation Issues. , 2007, , 64-98.		17
155	Ontologies in Bioinformatics. , 2004, , 635-657.		26
156	Building a Very Large Ontology from Medical Thesauri. , 2004, , 133-150.		12
157	Representing the UMLS® Semantic Network Using OWL. Lecture Notes in Computer Science, 2003, , 1-16.	1.0	33
158	Description Logics. , 2009, , 21-43.		28
159	Web Ontology Segmentation: Extraction, Transformation, Evaluation. Lecture Notes in Computer Science, 2009, , 211-243.	1.0	13
160	Towards an Ontological Modeling with Dependent Types: Application to Part-Whole Relations. Lecture Notes in Computer Science, 2009, , 145-158.	1.0	1
161	Tool Support for Ontology Engineering. , 2011, , 103-112.		7
162	Literature-Based Knowledge Discovery from Relationship Associations Based on a DL Ontology Created from MeSH. Communications in Computer and Information Science, 2013, , 87-106.	0.4	2

	CITATION RE	PORT	
#	Article	IF	CITATIONS
163	Reasoning and Query Answering in Description Logics. Lecture Notes in Computer Science, 2012, , 1-53.	1.0	24
164	Complex Query Formulation Over Diverse Information Sources in TAMBIS. , 2003, , 189-223.		15
165	Implementation and Optimization Techniques. , 0, , 329-374.		6
166	Analysis and Design of an Ontology for Intensive Care Diagnoses. Methods of Information in Medicine, 1999, 38, 102-112.	0.7	20
167	Thesauri and Formal Classifications: Terminologies for People and Machines. Methods of Information in Medicine, 1998, 37, 501-509.	0.7	38
168	DEFAULTS, CONTEXT, AND KNOWLEDGE: ALTERNATIVES FOR OWL-INDEXED KNOWLEDGE BASES. , 2003, , 226-37.		19
169	Computational Ontologies and Information Systems II: Formal Specification. Communications of the Association for Information Systems, 0, 14, .	0.7	13
170	Owl Rules: A Proposal and Prototype Implementation. SSRN Electronic Journal, 0, , .	0.4	5
171	Strengths and limitations of formal ontologies in the biomedical domain. Revista Electronica De Comunicacao, Informacao & Inovacao Em Saude: RECIIS, 2009, 3, 31-45.	0.2	36
172	Putting the Tourist into Tourist Information. , 2000, , 104-113.		0
173	Relationships among Knowledge Structures: Vocabulary Integration within a Subject Domain. Information Science and Knowledge Management, 2001, , 81-98.	0.1	3
174	Turning Lead into Gold? Feeding a Formal Knowledge Base with Informal Conceptual Knowledge. Lecture Notes in Computer Science, 2002, , 182-196.	1.0	2
175	TOWARDS A BROAD-COVERAGE BIOMEDICAL ONTOLOGY BASED ON DESCRIPTION LOGICS. , 2002, , 577-88.		13
176	Using Ontologies in the Development of an Innovating System for Elderly People Tele-assistance. Lecture Notes in Computer Science, 2003, , 889-905.	1.0	7
177	Linking Rules to Terminologies and Applications in Medical Planning. Lecture Notes in Computer Science, 2003, , 214-218.	1.0	0
178	INVESTIGATING IMPLICIT KNOWLEDGE IN ONTOLOGIES WITH APPLICATION TO THE ANATOMICAL DOMAIN. , 2003, , 250-61.		6
179	Subsumption in \$mathcal{EL}\$ w.r.t. Hybrid TBoxes. Lecture Notes in Computer Science, 2005, , 34-48.	1.0	4
180	Bioinformatics Data Source Integration Based on Semantic Relationships Across Species. Lecture Notes in Computer Science, 2006, , 78-93.	1.0	1

#	ARTICLE	IF	CITATIONS
181	Ontology assisted query reformulation using the semantic and assertion capabilities of OWL-DL ontologies. , 2008, , .		8
182	SMTS®: un serveur multiterminologies en santé. Informatique Et Santé, 2009, , 47-56.	0.1	2
183	Symbolic Biomedical Knowledge. , 2009, , 99-184.		0
184	Protein Data Integration Problem. Studies in Computational Intelligence, 2009, , 55-69.	0.7	0
186	The Ontology of Medical Terminological Systems: Towards the Next Generation of Medical Ontologies. , 2010, , 373-391.		3
187	Organization and Management of Large Categorical Systems. , 2010, , 67-100.		0
188	Standards, Data Models, Ontologies, Rules: Prerequisites for Comprehensive Clinical Practice Guidelines. Lecture Notes in Computer Science, 2011, , 252-266.	1.0	2
189	Aligning Biomedical Terminologies in French: Towards Semantic Interoperability in Medical Applications. , 0, , .		4
192	Visualizing Complex Schemas in Description Logic using Movable Lens Filters. , 1998, , 339-360.		0
193	Formal representation of temporal items of the diagnostic and statistic manual of mental disorders. Lecture Notes in Computer Science, 1998, , 225-235.	1.0	0
194	Part-whole reasoning in medical knowledge bases using description logics. Lecture Notes in Computer Science, 1998, , 237-248.	1.0	0
195	Matching in Hybrid Terminologies. , 2007, , 166-180.		0
196	Aligning representations of anatomy using lexical and structural methods. AMIA Annual Symposium proceedings, 2003, , 753-7.	0.2	18
197	Alignment of multiple ontologies of anatomy: deriving indirect mappings from direct mappings to a reference. AMIA Annual Symposium proceedings, 2005, , 864-8.	0.2	11
198	Compositional concept representation using SNOMED: towards further convergence of clinical terminologies. Proceedings, 1998, , 740-4.	0.6	26
199	Modern architectures for intelligent systems: reusable ontologies and problem-solving methods. Proceedings, 1998, , 46-52.	0.6	6
200	Part-whole reasoning in medical ontologies revisitedintroducing SEP triplets into classification-based description logics. Proceedings, 1998, , 830-4.	0.6	15
201	Aggregation and reclassificationassessment of GALEN methods in the domain of thoracic surgery. Proceedings, 1999, , 32-6.	0.6	0

#	Article	IF	CITATIONS
202	Evaluation of a type definition for representing nursing activities within a concept-based terminologic system. Proceedings, 1999, , 17-21.	0.6	0
203	Development of a change model for a controlled medical vocabulary. Proceedings: A Conference of the American Medical Informatics Association, 1997, , 605-9.	0.7	5
204	Evaluating a normalized conceptual representation produced from natural language patient discharge summaries. Proceedings: A Conference of the American Medical Informatics Association, 1997, , 590-4.	0.7	6
205	Normal forms for description logic expressions of clinical concepts in SNOMED RT. Proceedings, 2001, , 627-31.	0.6	11
206	Integrating existing drug formulation terminologies into an HL7 standard classification using OpenGALEN. Proceedings, 2001, , 766-70.	0.6	5
207	Mediating between nursing intervention terminology systems. Proceedings, 2001, , 239-43.	0.6	1
208	Representing and querying conceptual graphs with relational database management systems is possible. Proceedings, 2001, , 598-602.	0.6	1
209	Subword segmentation-leveling out morphological variations for medical document retrieval. Proceedings, 2001, , 229-33.	0.6	4
210	Bidirectional mereological reasoning in anatomical knowledge bases. Proceedings, 2001, , 607-11.	0.6	9
211	Modeling anatomical spatial relations with description logics. Proceedings, 2000, , 779-83.	0.6	3
212	GALEN's model of parts and wholes: experience and comparisons. Proceedings, 2000, , 714-8.	0.6	19
213	Having our cake and eating it too: how the GALEN Intermediate Representation reconciles internal complexity with users' requirements for appropriateness and simplicity. Proceedings, 2000, , 819-23.	0.6	1
214	Usability of expressive description logicsa case study in UMLS. Proceedings, 2002, , 180-4.	0.6	6
215	A knowledge representation view on biomedical structure and function. Proceedings, 2002, , 687-91.	0.6	1
216	Role grouping as an extension to the description logic of Ontylog, motivated by concept modeling in SNOMED. Proceedings, 2002, , 712-6.	0.6	15
217	Lessons learned from cross-validating alignments between large anatomical ontologies. Studies in Health Technology and Informatics, 2007, 129, 822-6.	0.2	6
219	Identifying mismatches in alignments of large anatomical ontologies. AMIA Annual Symposium proceedings, 2007, , 851-5.	0.2	4
220	The Common Data Elements for cancer research: remarks on functions and structure. Methods of Information in Medicine, 2006, 45, 594-601.	0.7	32

#	Article	IF	CITATIONS
221	Comparing associative relationships among equivalent concepts across ontologies. Studies in Health Technology and Informatics, 2004, 107, 459-66.	0.2	6
225	Interface Terminologies. Computers in Health Care, 2023, , 253-267.	0.2	0