Deborah L McGuinness

List of Publications by Year
in descending order

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66 papers	1,989 citations	361413 20 h-index	254184 43 g-index
69 all docs	69 docs citations	69 times ranked	2479 citing authors

#	Article	IF	Citations
1	Geoinformatics: Transforming data to knowledge for geosciences. GSA Today, 2010, 20, 4-10.	2.0	411
2	Bringing Semantics to Web Services with OWL-S. World Wide Web, 2007, 10, 243-277.	4.0	384
3	When owl:sameAs Isnâ€™t the Same: An Analysis of Identity in Linked Data. Lecture Notes in Computer Science, 2010, , 305-320.	1.3	151
4	TWC LOGD: A portal for linked open government data ecosystems. Web Semantics, 2011, 9, 325-333.	2.9	110
5	A proof markup language for Semantic Web services. Information Systems, 2006, 31, 381-395.	3.6	73
6	The Translational Medicine Ontology and Knowledge Base: driving personalized medicine by bridging the gap between bench and bedside. Journal of Biomedical Semantics, 2011, 2, S1.	1.6	68
7	FoodKG: A Semantics-Driven Knowledge Graph for Food Recommendation. Lecture Notes in Computer Science, 2019, , 146-162.	1.3	56
8	Ontology-supported scientific data frameworks: The Virtual Solar-Terrestrial Observatory experience. Computers and Geosciences, 2009, 35, 724-738.	4.2	50
9	SameAs Networks and Beyond: Analyzing Deployment Status and Implications of owl:sameAs in Linked Data. Lecture Notes in Computer Science, 2010, , 145-160.	1.3	44
10	Clustering of coâ€occurring conditions in autism spectrum disorder during early childhood: A retrospective analysis of medical claims data. Autism Research, 2019, 12, 1272-1285.	3.8	42
11	TWC data-gov corpus. , 2010, , .		35
12	NanoMine schema: An extensible data representation for polymer nanocomposites. APL Materials, 2018, 6, .	5.1	35
13	Entity linking for biomedical literature. BMC Medical Informatics and Decision Making, 2015, 15, S4.	3.0	34
14	Ontology of fractures. Journal of Structural Geology, 2009, 31, 251-259.	2.3	32
15	Gastrointestinal Symptoms and Oral Antibiotic Use in Children with Autism Spectrum Disorder: Retrospective Analysis of a Privately Insured U.S. Population. Journal of Autism and Developmental Disorders, 2019, 49, 647-659.	2.7	31
16	Provenance Representation for the National Climate Assessment in the Global Change Information System. IEEE Transactions on Geoscience and Remote Sensing, 2013, 51, 5160-5168.	6.3	30
17	Explanation Ontology: A Model of Explanations for User-Centered AI. Lecture Notes in Computer Science, 2020, , 228-243.	1.3	29
18	Linked provenance data: A semantic Web-based approach to interoperable workflow traces. Future Generation Computer Systems, 2011, 27, 797-805.	7.5	25

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19	Polymer Nanocomposite Data: Curation, Frameworks, Access, and Potential for Discovery and Design. ACS Macro Letters, 2020, 9, 1086-1094.	4.8	24
20	Dimensions of commonsense knowledge. Knowledge-Based Systems, 2021, 229, 107347.	7.1	24
21	From Data to City Indicators: A Knowledge Graph for Supporting Automatic Generation of Dashboards. Lecture Notes in Computer Science, 2017, , 94-108.	1.3	23
22	Ontology Engineering. Synthesis Lectures on the Semantic Web: Theory and Technology, 2019, 9, i-102.	5.0	21
23	Finding melanoma drugs through a probabilistic knowledge graph. PeerJ Computer Science, 0, 3, e106.	4.5	16
24	SemantEco: A semantically powered modular architecture for integrating distributed environmental and ecological data. Future Generation Computer Systems, 2014, 36, 430-440.	7.5	15
25	Investigating plasma amino acids for differentiating individuals with autism spectrum disorder and typically developing peers. Research in Autism Spectrum Disorders, 2018, 50, 60-72.	1.5	15
26	On the Use of Multivariate Methods for Analysis of Data from Biological Networks. Processes, 2017, 5, 36.	2.8	14
27	Knowledge Integration for Disease Characterization: A Breast Cancer Example. Lecture Notes in Computer Science, 2018, , 223-238.	1.3	12
28	Transforming the study of organisms: Phenomic data models and knowledge bases. PLoS Computational Biology, 2020, 16, e1008376.	3.2	12
29	Provenance-Based Strategies to Develop Trust in Semantic Web Applications. Lecture Notes in Computer Science, 2010, , 182-197.	1.3	11
30	NanoMine: A Knowledge Graph for Nanocomposite Materials Science. Lecture Notes in Computer Science, 2020, , 144-159.	1.3	11
31	An Ensemble Architecture for Learning Complex Problem-Solving Techniques from Demonstration. ACM Transactions on Intelligent Systems and Technology, 2012, 3, 1-38.	4.5	10
32	A Semantic Portal for Next Generation Monitoring Systems. Lecture Notes in Computer Science, 2011, , 253-268.	1.3	10
33	Big and disparate data: considerations for pediatric consortia. Current Opinion in Pediatrics, 2017, 29, 231-239.	2.0	9
34	Identifying Windows of Susceptibility by Temporal Gene Analysis. Scientific Reports, 2019, 9, 2740.	3.3	9
35	Reflections on Provenance Ontology Encodings. Lecture Notes in Computer Science, 2010, , 198-205.	1.3	9
36	An ontology-based knowledge management framework for a distributed water information system. Journal of Hydroinformatics, 2013, 15, 1169-1188.	2.4	7

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37	Formalizing the semantics of sea ice. Earth Science Informatics, 2015, 8, 51-62.	3.2	7
38	Towards Provenance Aware Comment Tracking for Web Applications. Lecture Notes in Computer Science, 2010, , 265-273.	1.3	7
39	Towards Semantically Enabled Next Generation Community Health Information Portals: The PopSciGrid Pilot. , 2012, , .		6
40	Making Study Populations Visible Through Knowledge Graphs. Lecture Notes in Computer Science, 2019, , 53-68.	1.3	6
41	Towards Next Generation Health Data Exploration: A Data Cube-Based Investigation into Population Statistics for Tobacco. , 2013, , .		5
42	An experimental study measuring human annotator categorization agreement on commonsense sentences. Experimental Results, 2021, 2, .	0.6	5
43	System Transparency, or How I Learned to Worry about Meaning and Love Provenance!. Lecture Notes in Computer Science, 2010, , 165-173.	1.3	5
44	Next Generation Cancer Data Discovery, Access, and Integration Using Prizms and Nanopublications. Lecture Notes in Computer Science, 2013, 7970, 105-112.	1.3	5
45	Towards Unified Provenance Granularities. Lecture Notes in Computer Science, 2012, , 39-51.	1.3	4
46	The web observatory extension. , 2014, , .		3
47	A Semantic Framework for Enabling Radio Spectrum Policy Management and Evaluation. Lecture Notes in Computer Science, 2020, , 482-498.	1.3	3
48	Addressing Scientific Rigor in Data Analytics Using Semantic Workflows. Lecture Notes in Computer Science, 2016, , 187-190.	1.3	3
49	SAF: A Provenance-Tracking Framework for Interoperable Semantic Applications. Lecture Notes in Computer Science, 2010, , 73-77.	1.3	3
50	Functional Requirements for Information Resource Provenance on the Web. Lecture Notes in Computer Science, 2012, , 52-66.	1.3	3
51	Towards semantically-enabled exploration and analysis of environmental ecosystems. , 2012, , .		2
52	Broad, Interdisciplinary Science In Tela. , 2017, , .		2
53	Walking into the Future with PROV Pingback: An Application to OPeNDAP Using Prizms. Lecture Notes in Computer Science, 2015, , 31-43.	1.3	2
54	Explorations into the Provenance of High Throughput Biomedical Experiments. Lecture Notes in Computer Science, 2010, , 120-128.	1.3	2

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55	Towards explanation of scientific and technological emergence. , 2013, , .		1
56	Legal and ethical considerations. , 2014, , .		1
57	AAAI 2008 Spring Symposia Reports. AI Magazine, 2008, 29, 107.	1.6	0
58	Information systems special issue on ACM CIKM 2007. Information Systems, 2009, 34, 671-672.	3.6	0
59	Reports of the AAAI 2010 Spring Symposia. AI Magazine, 2010, 31, 115.	1.6	0
60	Reports of the AAAI 2011 Fall Symposia. AI Magazine, 2012, 33, 71-78.	1.6	0
61	A Semantic Workflow Approach to Web Science Analytics. , 2017, , .		0
62	An Ontology for a Polymer Nanocomposite Community Data Resource. , 2017, , .		0
63	Towards a Face Recognition Model Analyzer. , 2020, , .		0
64	Towards a Domain-Agnostic Computable Policy Tool. Lecture Notes in Computer Science, 2021, , 71-75.	1.3	0
65	Provenance-Aware Faceted Search in Drupal. Lecture Notes in Computer Science, 2010, , 142-147.	1.3	0
66	Deciphering Location Context â€“ A Semantic Web Approach. Lecture Notes in Computer Science, 2013, , 308-309.	1.3	0