

Raúl Garcá-a-Castro

List of Publications by Year in descending order

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Version: 2024-02-01

45
papers

1,886
citations

567281

15
h-index

345221

36
g-index

48
all docs

48
docs citations

48
times ranked

1924
citing authors

#	ARTICLE	IF	CITATIONS
1	Ontology verification testing using lexico-syntactic patterns. Information Sciences, 2022, 582, 89-113.	6.9	3
2	Chowlk: from UML-Based Ontology Conceptualizations to OWL. Lecture Notes in Computer Science, 2022, , 338-352.	1.3	10
3	Conformance testing of ontologies through ontology requirements. Engineering Applications of Artificial Intelligence, 2021, 97, 104026.	8.1	1
4	Toward the Ontological Modeling of Smart Contracts: A Solidity Use Case. IEEE Access, 2021, 9, 140156-140172.	4.2	9
5	Towards metrics-driven ontology engineering. Knowledge and Information Systems, 2021, 63, 867-903.	3.2	1
6	An information sharing strategy based on linked data for net zero energy buildings and clusters. Automation in Construction, 2021, 124, 103592.	9.8	7
7	Supporting Demand-Response strategies with the DELTA ontology. , 2021, , .		5
8	Semantic Interoperability for DR Schemes Employing the SGAM Framework. , 2020, , .		4
9	eWoT: A Semantic Interoperability Approach for Heterogeneous IoT Ecosystems Based on the Web of Things. Sensors, 2020, 20, 822.	3.8	15
10	Astrea: Automatic Generation of SHACL Shapes from Ontologies. Lecture Notes in Computer Science, 2020, , 497-513.	1.3	17
11	Ontology evolution for personalised and adaptive activity recognition. IET Wireless Sensor Systems, 2019, 9, 193-200.	1.7	4
12	Ontology based E-learning framework: A personalized, adaptive and context aware model. Multimedia Tools and Applications, 2019, 78, 34745-34771.	3.9	37
13	Enhancing energy management at district and building levels via an EM-KPI ontology. Automation in Construction, 2019, 99, 152-167.	9.8	27
14	Ontological Representation of Smart City Data: From Devices to Cities. Applied Sciences (Switzerland), 2019, 9, 32.	2.5	38
15	Completeness and consistency analysis for evolving knowledge bases. Web Semantics, 2019, 54, 48-71.	2.9	8
16	Ontology-driven semantic unified modelling for concurrent activity recognition (OSCAR). Multimedia Tools and Applications, 2019, 78, 2073-2104.	3.9	14
17	Best practices for publishing, retrieving, and using spatial data on the web. Semantic Web, 2018, 10, 95-114.	1.9	22
18	The modular SSN ontology: A joint W3C and OGC standard specifying the semantics of sensors, observations, sampling, and actuation. Semantic Web, 2018, 10, 9-32.	1.9	149

#	ARTICLE	IF	CITATIONS
19	RDF shape induction using knowledge base profiling. , 2018, , .		13
20	A comprehensive quality model for Linked Data. <i>Semantic Web</i> , 2017, 9, 3-24.	1.9	41
21	An open virtual neighbourhood network to connect IoT infrastructures and smart objects “ Vicinity: IoT enables interoperability as a service. , 2017, , .		12
22	Identifying stakeholders and key performance indicators for district and building energy performance analysis. <i>Energy and Buildings</i> , 2017, 155, 1-15.	6.7	56
23	Repairing Hidden Links in Linked Data. , 2017, , .		1
24	SemQuaRE “ An extension of the SQuaRE quality model for the evaluation of semantic technologies. <i>Computer Standards and Interfaces</i> , 2015, 38, 101-112.	5.4	8
25	Guidelines for Linked Data generation and publication: An example in building energy consumption. <i>Automation in Construction</i> , 2015, 57, 178-187.	9.8	48
26	A keyword-driven approach for generating OWL DL conformance test data. <i>Engineering Applications of Artificial Intelligence</i> , 2013, 26, 1413-1420.	8.1	1
27	On a steady path to semantic technology evaluation. <i>Web Semantics</i> , 2013, 21, 1-2.	2.9	0
28	Semantic evaluation at large scale (SEALS). , 2012, , .		5
29	MultiFarm: A benchmark for multilingual ontology matching. <i>Web Semantics</i> , 2012, 15, 62-68.	2.9	29
30	The SSN ontology of the W3C semantic sensor network incubator group. <i>Web Semantics</i> , 2012, 17, 25-32.	2.9	1,070
31	A Core Ontological Model for Semantic Sensor Web Infrastructures. <i>International Journal on Semantic Web and Information Systems</i> , 2012, 8, 22-42.	5.1	9
32	A Semantic Sensor Web for Environmental Decision Support Applications. <i>Sensors</i> , 2011, 11, 8855-8887.	3.8	39
33	Infrastructure and workflow for the formal evaluation of semantic search technologies. , 2011, , .		2
34	The state of semantic technology today. , 2011, , .		6
35	A Semantically Enabled Service Architecture for Mashups over Streaming and Stored Data. <i>Lecture Notes in Computer Science</i> , 2011, , 300-314.	1.3	32
36	Towards a Quality Model for Semantic Technologies. <i>Lecture Notes in Computer Science</i> , 2011, , 244-256.	1.3	3

#	ARTICLE	IF	CITATIONS
37	Interoperability results for Semantic Web technologies using OWL as the interchange language. Web Semantics, 2010, 8, 278-291.	2.9	30
38	Five challenges for the Semantic Sensor Web. Semantic Web, 2010, 1, 121-125.	1.9	67
39	RDF(S) INTEROPERABILITY RESULTS FOR SEMANTIC WEB TECHNOLOGIES. International Journal of Software Engineering and Knowledge Engineering, 2009, 19, 1083-1108.	0.8	5
40	Context management in mobile environments. , 2009, , .		9
41	Guidelines for the Specification and Design of Large-Scale Semantic Applications. Lecture Notes in Computer Science, 2009, , 184-198.	1.3	1
42	The Semantic Web Framework: A Component-Based Framework for the Development of Semantic Web Applications. , 2008, , .		3
43	Large-Scale Benchmarking of the OWL Interoperability of Semantic Web Technologies. , 2008, , .		2
44	Towards a Component-Based Framework for Developing Semantic Web Applications. Lecture Notes in Computer Science, 2008, , 197-211.	1.3	6
45	A Method for Performing an Exhaustive Evaluation of RDF(S) Importers. Lecture Notes in Computer Science, 2005, , 199-206.	1.3	2