Ernesto Jimenez-Ruiz

List of Publications by Year
in descending order

71 papers	1,751 citations	279798 23 h-index	315739 38 g-index
73 all docs	73 docs citations	73 times ranked	1119 citing authors

#	Article	IF	Citations
1	LogMap: Logic-Based and Scalable Ontology Matching. Lecture Notes in Computer Science, 2011, , 273-288.	1.3	214
2	Ontology Based Data Access in Statoil. Web Semantics, 2017, 44, 3-36.	2.9	90
3	Assessment of disease named entity recognition on a corpus of annotated sentences. BMC Bioinformatics, 2008, 9, S3.	2.6	87
4	Optique: Zooming in on Big Data. Computer, 2015, 48, 60-67.	1.1	79
5	BootOX: Practical Mapping of RDBs to OWL 2. Lecture Notes in Computer Science, 2015, , 113-132.	1.3	61
6	OptiqueVQS: A visual query system over ontologies for industry. Semantic Web, 2018, 9, 627-660.	1.9	58
7	Ontology Integration Using Mappings: Towards Getting the Right Logical Consequences. Lecture Notes in Computer Science, 2009, , 173-187.	1.3	57
8	OWL2Vec*: embedding of OWL ontologies. Machine Learning, 2021, 110, 1813.	5.4	50
9	ColNet: Embedding the Semantics of Web Tables for Column Type Prediction. Proceedings of the AAAI Conference on Artificial Intelligence, 2019, 33, 29-36.	4.9	47
10	Ontology Based Access to Exploration Data at Statoil. Lecture Notes in Computer Science, 2015, , 93-112.	1.3	47
11	Experiencing OptiqueVQS: a multi-paradigm and ontology-based visual query system for end users. Universal Access in the Information Society, 2016, 15, 129-152.	3.0	46
12	Capturing Industrial Information Models with Ontologies and Constraints. Lecture Notes in Computer Science, 2016, , 325-343.	1.3	41
13	User Validation in Ontology Alignment. Lecture Notes in Computer Science, 2016, , 200-217.	1.3	39
14	Logic-based assessment of the compatibility of UMLS ontology sources. Journal of Biomedical Semantics, 2011, 2, S2.	1.6	38
15	Safe and Economic Re-Use of Ontologies: A Logic-Based Methodology and Tool Support. , 2008, , 185-199.		38
16	Supporting concurrent ontology development: Framework, algorithms and tool. Data and Knowledge Engineering, 2011, 70, 146-164.	3.4	36
17	Ontology-based end-user visual query formulation: Why, what, who, how, and which?. Universal Access in the Information Society, 2017, 16, 435-467.	3.0	36
18	Ontology-Based Integration of Streaming and Static Relational Data with Optique. , 2016, , .		33

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19	OptiqueVQS. , 2013, , .		32
20	Optique: Towards OBDA Systems for Industry. Lecture Notes in Computer Science, 2013, , 125-140.	1.3	32
21	RODI: Benchmarking relational-to-ontology mapping generation quality. Semantic Web, 2017, 9, 25-52.	1.9	31
22	SemTab 2019: Resources to Benchmark Tabular Data to Knowledge Graph Matching Systems. Lecture Notes in Computer Science, 2020, , 514-530.	1.3	31
23	SemFacet. , 2014, , .		29
24	Querying industrial stream-temporal data: AnÂontology-based visual approach1. Journal of Ambient Intelligence and Smart Environments, 2017, 9, 77-95.	1.4	29
25	Describing Images Using Qualitative Models and Description Logics. Spatial Cognition and Computation, 2011, 11, 45-74.	1.2	28
26	Minimizing conservativity violations in ontology alignments: algorithms and evaluation. Knowledge and Information Systems, 2017, 51, 775-819.	3.2	28
27	Ontology mapping for semantically enabled applications. Drug Discovery Today, 2019, 24, 2068-2075.	6.4	25
28	Matching disease and phenotype ontologies in the ontology alignment evaluation initiative. Journal of Biomedical Semantics, 2017, 8, 55.	1.6	24
29	A Simple Standard for Sharing Ontological Mappings (SSSOM). Database: the Journal of Biological Databases and Curation, 2022, 2022, .	3.0	23
30	Reuse of terminological resources for efficient ontological engineering in Life Sciences. BMC Bioinformatics, 2009, 10, S4.	2.6	21
31	XML-based approaches for the integration of heterogeneous bio-molecular data. BMC Bioinformatics, 2009, 10, S7.	2.6	21
32	Detecting and Correcting Conservativity Principle Violations in Ontology-to-Ontology Mappings. Lecture Notes in Computer Science, 2014, , 1-16.	1.3	18
33	Ontology-Based Visual Query Formulation: An Industry Experience. Lecture Notes in Computer Science, 2015, , 842-854.	1.3	18
34	Localization of Mobile Sensors and Actuators for Intervention in Low-Visibility Conditions: The ZigBee Fingerprinting Approach. International Journal of Distributed Sensor Networks, 2012, 8, 951213.	2.2	18
35	RODI: A Benchmark for Automatic Mapping Generation in Relational-to-Ontology Data Integration. Lecture Notes in Computer Science, 2015, , 21-37.	1.3	17
36	Enabling semantic access to static and streaming distributed data with optique. , 2016, , .		15

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37	User validation in ontology alignment: functional assessment and impact. Knowledge Engineering Review, 2019, 34, .	2.6	14
38	Augmenting Ontology Alignment by Semantic Embedding and Distant Supervision. Lecture Notes in Computer Science, 2021, , 392-408.	1.3	14
39	Tough Tables: Carefully Evaluating Entity Linking for Tabular Data. Lecture Notes in Computer Science, 2020, , 328-343.	1.3	14
40	Towards Exploiting Query History for Adaptive Ontology-Based Visual Query Formulation. Communications in Computer and Information Science, 2014, , 107-119.	0.5	14
41	A semantic approach to polystores. , 2016, , .		13
42	A Preliminary Approach on Ontology-Based Visual Query Formulation for Big Data. Communications in Computer and Information Science, 2013, , 201-212.	0.5	13
43	Exploring and linking biomedical resources through multidimensional semantic spaces. BMC Bioinformatics, 2012, 13, S6.	2.6	12
44	Towards semantic faceted search. , 2014, , .		12
45	Towards Annotating Potential Incoherences in BioPortal Mappings. Lecture Notes in Computer Science, 2014, , 17-32.	1.3	11
46	Towards the Semantic Enrichment of Free-Text Annotation of Image Quality Assessment for UK Biobank Cardiac Cine MRI Scans. Lecture Notes in Computer Science, 2016, , 238-248.	1.3	11
47	LogMap 2.0. , 2011, , .		10
48	Correcting Knowledge Base Assertions. , 2020, , .		10
49	An Ontological Solution to Support Interoperability in the Textile Industry. Lecture Notes in Business Information Processing, 2009, , 38-51.	1.0	6
50	Medical Data Integration and the Semantic Annotation of Medical Protocols. , 2008, , .		5
51	Pushing the limits of OWL 2 reasoners in ontology alignment repair problems. Intelligenza Artificiale, 2016, 10, 1-18.	1.6	5
52	Supporting shared hypothesis testing in the biomedical domain. Journal of Biomedical Semantics, 2018, 9, 9.	1.6	5
53	Finding Data Should be Easier than Finding Oil. , 2018, , .		5
54	Knowledge Graph Embedding for Ecotoxicological Effect Prediction. Lecture Notes in Computer Science, 2019, , 490-506.	1.3	5

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55	Why not simply Google?. , 2014, , .		4
56	A View-Based Methodology for Collaborative Ontology Engineering: An Approach for Complex Applications (VIMethCOE). , 2006, , .		3
57	A Visual Query System for Stream Data Access over Ontologies. Lecture Notes in Computer Science, 2016, , 161-166.	1.3	3
58	Prediction of adverse biological effects of chemicals using knowledge graph embeddings. Semantic Web, 2022, 13, 299-338.	1.9	3
59	Query Extension Suggestions for Visual Query Systems Through Ontology Projection and Indexing. New Generation Computing, 2019, 37, 361-392.	3.3	2
60	Canonicalizing Knowledge Base Literals. Lecture Notes in Computer Science, 2019, , 110-127.	1.3	2
61	STILTool: A Semantic Table Interpretation evaLuation Tool. Lecture Notes in Computer Science, 2020, , 61-66.	1.3	2
62	Conceptual Subtopic Identification in the Medical Domain. Lecture Notes in Computer Science, 2008, , 312-321.	1.3	2
63	Ontology Based Data Access in Statoil. SSRN Electronic Journal, 2017, , .	0.4	1
64	Building conceptual spaces for exploring and linking biomedical resources. Nature Precedings, 2010, , .	0.1	0
65	Workshop E-LKR 2011 Message from Workshop Chairs. , 2011, , .		0
66	Exploitation of Cross-References between Terminological Resources within the CALBC Context. , 2011, , .		0
67	Crowd-assessing quality in uncertain data linking datasets. Knowledge Engineering Review, 2020, 35, .	2.6	0
68	A Framework for Quality Assessment ofÂSemantic Annotations of Tabular Data. Lecture Notes in Computer Science, 2021, , 528-545.	1.3	0
69	An assertion and alignment correction framework for large scale knowledge bases. Semantic Web, 2021, , 1-25.	1.9	0
70	XML-Based Approaches for the Integration of Heterogeneous Bio-Molecular Data. , 2011, , 206-241.		0
71	ABOM and ADOM: Arabic Datasets for the Ontology Alignment Evaluation Campaign. Lecture Notes in Computer Science, 2015, , 545-553.	1.3	0