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	Prediction of adverse biological effects of chemicals using knowledge graph embeddings. Semantic Web, 2022, 13, 299-338.	1.9	3
2	A Simple Standard for Sharing Ontological Mappings (SSSOM). Database: the Journal of Biological Databases and Curation, 2022, 2022, .	3.0	23
3	OWL2Vec*: embedding of OWL ontologies. Machine Learning, 2021, 110, 1813.	5.4	50
4	Augmenting Ontology Alignment by Semantic Embedding and Distant Supervision. Lecture Notes in Computer Science, 2021, , 392-408.	1.3	14
5	A Framework for Quality Assessment ofÂSemantic Annotations of Tabular Data. Lecture Notes in Computer Science, 2021, , 528-545.	1.3	0
6	An assertion and alignment correction framework for large scale knowledge bases. Semantic Web, 2021, , 1-25.	1.9	0
7	Crowd-assessing quality in uncertain data linking datasets. Knowledge Engineering Review, 2020, 35, .	2.6	0
8	SemTab 2019: Resources to Benchmark Tabular Data to Knowledge Graph Matching Systems. Lecture Notes in Computer Science, 2020, , 514-530.	1.3	31
9	STILTool: A Semantic Table Interpretation evaLuation Tool. Lecture Notes in Computer Science, 2020, , 61-66.	1.3	2
10	Tough Tables: Carefully Evaluating Entity Linking for Tabular Data. Lecture Notes in Computer Science, 2020, , 328-343.	1.3	14
11	Correcting Knowledge Base Assertions. , 2020, , .		10
12	Ontology mapping for semantically enabled applications. Drug Discovery Today, 2019, 24, 2068-2075.	6.4	25
13	Query Extension Suggestions for Visual Query Systems Through Ontology Projection and Indexing. New Generation Computing, 2019, 37, 361-392.	3.3	2
14	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
15	User validation in ontology alignment: functional assessment and impact. Knowledge Engineering Review, 2019, 34, .	2.6	14
16	Canonicalizing Knowledge Base Literals. Lecture Notes in Computer Science, 2019, , 110-127.	1.3	2
17	Knowledge Graph Embedding for Ecotoxicological Effect Prediction. Lecture Notes in Computer Science, 2019, , 490-506.	1.3	5
18	Supporting shared hypothesis testing in the biomedical domain. Journal of Biomedical Semantics, 2018, 9, 9.	1.6	5

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19	Finding Data Should be Easier than Finding Oil. , 2018, , .		5
20	OptiqueVQS: A visual query system over ontologies for industry. Semantic Web, 2018, 9, 627-660.	1.9	58
21	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
22	Minimizing conservativity violations in ontology alignments: algorithms and evaluation. Knowledge and Information Systems, 2017, 51, 775-819.	3.2	28
23	Querying industrial stream-temporal data: AnÂontology-based visual approach1. Journal of Ambient Intelligence and Smart Environments, 2017, 9, 77-95.	1.4	29
24	Ontology Based Data Access in Statoil. Web Semantics, 2017, 44, 3-36.	2.9	90
25	Ontology Based Data Access in Statoil. SSRN Electronic Journal, 2017, , .	0.4	1
26	Matching disease and phenotype ontologies in the ontology alignment evaluation initiative. Journal of Biomedical Semantics, 2017, 8, 55.	1.6	24
27	RODI: Benchmarking relational-to-ontology mapping generation quality. Semantic Web, 2017, 9, 25-52.	1.9	31
28	Pushing the limits of OWL 2 reasoners in ontology alignment repair problems. Intelligenza Artificiale, 2016, 10, 1-18.	1.6	5
29	Ontology-Based Integration of Streaming and Static Relational Data with Optique. , 2016, , .		33
30	Capturing Industrial Information Models with Ontologies and Constraints. Lecture Notes in Computer Science, 2016, , 325-343.	1.3	41
31	A semantic approach to polystores. , 2016, , .		13
32	Enabling semantic access to static and streaming distributed data with optique. , 2016, , .		15
33	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
34	User Validation in Ontology Alignment. Lecture Notes in Computer Science, 2016, , 200-217.	1.3	39
35	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
36	A Visual Query System for Stream Data Access over Ontologies. Lecture Notes in Computer Science, 2016, , 161-166.	1.3	3

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37	Optique: Zooming in on Big Data. Computer, 2015, 48, 60-67.	1.1	79
38	RODI: A Benchmark for Automatic Mapping Generation in Relational-to-Ontology Data Integration. Lecture Notes in Computer Science, 2015, , 21-37.	1.3	17
39	Ontology Based Access to Exploration Data at Statoil. Lecture Notes in Computer Science, 2015, , 93-112.	1.3	47
40	BootOX: Practical Mapping of RDBs to OWL 2. Lecture Notes in Computer Science, 2015, , 113-132.	1.3	61
41	Ontology-Based Visual Query Formulation: An Industry Experience. Lecture Notes in Computer Science, 2015, , 842-854.	1.3	18
42	ABOM and ADOM: Arabic Datasets for the Ontology Alignment Evaluation Campaign. Lecture Notes in Computer Science, 2015, , 545-553.	1.3	0
43	Why not simply Google?. , 2014, , .		4
44	SemFacet. , 2014, , .		29
45	Towards semantic faceted search. , 2014, , .		12
46	Detecting and Correcting Conservativity Principle Violations in Ontology-to-Ontology Mappings. Lecture Notes in Computer Science, 2014, , 1-16.	1.3	18
47	Towards Annotating Potential Incoherences in BioPortal Mappings. Lecture Notes in Computer Science, 2014, , 17-32.	1.3	11
48	Towards Exploiting Query History for Adaptive Ontology-Based Visual Query Formulation. Communications in Computer and Information Science, 2014, , 107-119.	0.5	14
49	OptiqueVQS. , 2013, , .		32
50	A Preliminary Approach on Ontology-Based Visual Query Formulation for Big Data. Communications in Computer and Information Science, 2013, , 201-212.	0.5	13
51	Optique: Towards OBDA Systems for Industry. Lecture Notes in Computer Science, 2013, , 125-140.	1.3	32
52	Exploring and linking biomedical resources through multidimensional semantic spaces. BMC Bioinformatics, 2012, 13, S6.	2.6	12
53	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
54	Describing Images Using Qualitative Models and Description Logics. Spatial Cognition and Computation, 2011, 11, 45-74.	1.2	28

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55	LogMap: Logic-Based and Scalable Ontology Matching. Lecture Notes in Computer Science, 2011, , 273-288.	1.3	214
56	Workshop E-LKR 2011 Message from Workshop Chairs. , 2011, , .		0
57	Logic-based assessment of the compatibility of UMLS ontology sources. Journal of Biomedical Semantics, 2011, 2, S2.	1.6	38
58	Supporting concurrent ontology development: Framework, algorithms and tool. Data and Knowledge Engineering, 2011, 70, 146-164.	3.4	36
59	Exploitation of Cross-References between Terminological Resources within the CALBC Context. , 2011, , .		0
60	LogMap 2.0. , 2011, , .		10
61	XML-Based Approaches for the Integration of Heterogeneous Bio-Molecular Data. , 2011, , 206-241.		0
62	Building conceptual spaces for exploring and linking biomedical resources. Nature Precedings, 2010, , .	0.1	0
63	Reuse of terminological resources for efficient ontological engineering in Life Sciences. BMC Bioinformatics, 2009, 10, S4.	2.6	21
64	XML-based approaches for the integration of heterogeneous bio-molecular data. BMC Bioinformatics, 2009, 10, S7.	2.6	21
65	Ontology Integration Using Mappings: Towards Getting the Right Logical Consequences. Lecture Notes in Computer Science, 2009, , 173-187.	1.3	57
66	An Ontological Solution to Support Interoperability in the Textile Industry. Lecture Notes in Business Information Processing, 2009, , 38-51.	1.0	6
67	Assessment of disease named entity recognition on a corpus of annotated sentences. BMC Bioinformatics, 2008, 9, S3.	2.6	87
68	Medical Data Integration and the Semantic Annotation of Medical Protocols. , 2008, , .		5
69	Safe and Economic Re-Use of Ontologies: A Logic-Based Methodology and Tool Support. , 2008, , 185-199.		38
70	Conceptual Subtopic Identification in the Medical Domain. Lecture Notes in Computer Science, 2008, , 312-321.	1.3	2
71	A View-Based Methodology for Collaborative Ontology Engineering: An Approach for Complex Applications (VIMethCOE). , 2006, , .		3