Jacopo Urbani

List of Publications by Year
in descending order

46 papers	883 citations	759233 12 h-index	526287 27 g-index
47 all docs	47 docs citations	47 times ranked	477 citing authors

#	Article	IF	Citations
1	Scalable Distributed Reasoning Using MapReduce. Lecture Notes in Computer Science, 2009, , 634-649.	1.3	142
2	WebPIE: A Web-scale Parallel Inference Engine using MapReduce. Web Semantics, 2012, 10, 59-75.	2.9	126
3	Streaming the Web: Reasoning over dynamic data. Web Semantics, 2014, 25, 24-44.	2.9	107
4	OWL Reasoning with WebPIE: Calculating the Closure of 100 Billion Triples. Lecture Notes in Computer Science, 2010, , 213-227.	1.3	104
5	QueryPIE: Backward Reasoning for OWL Horst over Very Large Knowledge Bases. Lecture Notes in Computer Science, 2011, , 730-745.	1.3	42
6	Scalable RDF data compression with MapReduce. Concurrency Computation Practice and Experience, 2013, 25, 24-39.	2.2	33
7	DynamiTE: Parallel Materialization of Dynamic RDF Data. Lecture Notes in Computer Science, 2013, , 657-672.	1.3	30
8	ExFaKT. , 2019, , .		30
9	VLog: A Rule Engine for Knowledge Graphs. Lecture Notes in Computer Science, 2019, , 19-35.	1.3	24
10	Expressive Stream Reasoning with Laser. Lecture Notes in Computer Science, 2017, , 87-103.	1.3	23
11	Massive Semantic Web data compression with MapReduce. , 2010, , .		22
12	Extracting Novel Facts from Tables for Knowledge Graph Completion. Lecture Notes in Computer Science, 2019, , 364-381.	1.3	18
13	AJIRA: A Lightweight Distributed Middleware for MapReduce and Stream Processing. , 2014, , .		16
14	A survey of large-scale reasoning on the Web of data. Knowledge Engineering Review, 2018, 33, .	2.6	14
15	Robust Runtime Optimization and Skew-Resistant Execution of Analytical SPARQL Queries on Pig. Lecture Notes in Computer Science, 2012, , 247-262.	1.3	14
16	Hybrid reasoning on OWL RL. Semantic Web, 2014, 5, 423-447.	1.9	12
17	Efficient Model Construction for Horn Logic with VLog. Lecture Notes in Computer Science, 2018, , 680-688.	1.3	12
18	Seven Commandments for Benchmarking Semantic Flow Processing Systems. Lecture Notes in Computer Science, 2013, , 305-319.	1.3	12

#	Article	IF	Citations
19	Tracy: Tracing Facts over Knowledge Graphs and Text. , 2019, , .		10
20	Exception-Enriched Rule Learning from Knowledge Graphs. Lecture Notes in Computer Science, 2016, , 234-251.	1.3	10
21	WebPIE: A Web-Scale Parallel Inference Engine Using MapReduce. SSRN Electronic Journal, 2012, , .	0.4	8
22	Materializing knowledge bases via trigger graphs. Proceedings of the VLDB Endowment, 2021, 14, 943-956.	3.8	8
23	A Compact In-Memory Dictionary for RDF Data. Lecture Notes in Computer Science, 2015, , 205-220.	1.3	8
24	Searching for Embeddings in a Haystack: Link Prediction on Knowledge Graphs with Subgraph Pruning. , 2020, , .		8
25	The Quest for Parallel Reasoning on the Semantic Web. Lecture Notes in Computer Science, 2009, , 430-441.	1.3	7
26	Adaptive Low-level Storage of Very Large Knowledge Graphs. , 2020, , .		7
27	Efficient RDF stream reasoning with graphics processingunits (GPUs). , 2014, , .		6
28	Streaming the Web: Reasoning Over Dynamic Data. SSRN Electronic Journal, 0, , .	0.4	5
29	Datalog Reasoning over Compressed RDF Knowledge Bases. , 2019, , .		5
30	Enhancing Knowledge Graph Completion By Embedding Correlations. , 2017, , .		3
31	TAKCO: A Platform for Extracting Novel Facts from Tables. , 2021, , .		3
32	An Empirical Study on How the Distribution of Ontologies Affects Reasoning on the Web. Lecture Notes in Computer Science, 2017, , 69-86.	1.3	2
33	Extracting N-ary Facts from Wikipedia Table Clusters. , 2020, , .		2
34	RDF-SQ: Mixing Parallel and Sequential Computation for Top-Down OWL RL Inference. Lecture Notes in Computer Science, 2015, , 125-138.	1.3	2
35	Reply to comment on â€œWebPIE: A Web-scale parallel inference engine using MapReduceâ€•. Web Semantics, 2012, 15, 71-72.	2.9	1
36	Corrigendum to â€œWebPIE: A Web-scale Parallel Inference Engine using MapReduceâ€•[Web Semant. Sci. Serv. Agents World Wide Web 10 (2012) 59â€"75]. Web Semantics, 2012, 17, 44.	2.9	1

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37	Scalable and Parallel Reasoning in the Semantic Web. Lecture Notes in Computer Science, 2010, , 488-492.	1.3	1
38	Tab2Know: Building a Knowledge Base from Tables in Scientific Papers. Lecture Notes in Computer Science, 2020, , 349-365.	1.3	1
39	Handling Impossible Derivations During Stream Reasoning. Lecture Notes in Computer Science, 2020, , 3-19.	1.3	1
40	Scalable integration and processing of linked data. , 2011, , .		0
41	Reasoning at Scale (Tutorial). Lecture Notes in Computer Science, 2018, , 227-235.	1.3	0
42	Corrigendum to WebPIE: A Web-Scale Parallel Inference Engine Using MapReduce. SSRN Electronic Journal, 0, , .	0.4	0
43	Response to Comments on Webpie. SSRN Electronic Journal, 0, , .	0.4	0
44	Reasoning at Scale. , 2018, , 1-6.		0
45	Reasoning at Scale. , 2019, , 1396-1401.		0
46	Predicting Entity Mentions in Scientific Literature. Lecture Notes in Computer Science, 2019, , 379-393.	1.3	0