Jens Lehmann

List of Publications by Year
in descending order

174 papers	10,819 citations	126907 33 h-index	38395 95 g-index
179 all docs	179 docs citations	179 times ranked	5130 citing authors

#	Article	IF	Citations
1	Efficient computation of comprehensive statistical information of large OWL datasets: a scalable approach. Enterprise Information Systems, 2023, 17, .	4.7	1
2	Survey on English Entity Linking on Wikidata: Datasets and approaches. Semantic Web, 2022, 13, 925-966.	1.9	6
3	Spatial concept learning and inference on geospatial polygon data. Knowledge-Based Systems, 2022, 241, 108233.	7.1	0
4	Geometric Algebra based Embeddings for Static and Temporal Knowledge Graph Completion. IEEE Transactions on Knowledge and Data Engineering, 2022, , 1-1.	5.7	2
5	A Simulated Annealing Meta-heuristic for Concept Learning in Description Logics. Lecture Notes in Computer Science, 2022, , 266-281.	1.3	1
6	Tree-KGQA: An Unsupervised Approach for Question Answering Over Knowledge Graphs. IEEE Access, 2022, 10, 50467-50478.	4.2	5
7	Dihedron Algebraic Embeddings forÂSpatio-Temporal Knowledge Graph Completion. Lecture Notes in Computer Science, 2022, , 253-269.	1.3	6
8	SGPT: A Generative Approach for SPARQL Query Generation From Natural Language Questions. IEEE Access, 2022, 10, 70712-70723.	4.2	3
9	Towards holistic Entity Linking: Survey and directions. Information Systems, 2021, 95, 101624.	3.6	11
10	Link Prediction of Weighted Triples for Knowledge Graph Completion Within the Scholarly Domain. IEEE Access, 2021, 9, 116002-116014.	4.2	8
11	ParaQA: A Question Answering Dataset with Paraphrase Responses for Single-Turn Conversation. Lecture Notes in Computer Science, 2021, , 598-613.	1.3	5
12	Embedding Knowledge Graphs Attentive to Positional and Centrality Qualities. Lecture Notes in Computer Science, 2021, , 548-564.	1.3	2
13	VOGUE: Answer Verbalization Through Multi-Task Learning. Lecture Notes in Computer Science, 2021, , 563-579.	1.3	2
14	Introduction to neural networkâ€based question answering over knowledge graphs. Wiley Interdisciplinary Reviews: Data Mining and Knowledge Discovery, 2021, 11, e1389.	6.8	12
15	Multiple Run Ensemble Learning with Low-Dimensional Knowledge Graph Embeddings. , 2021, , .		3
16	Trans4E: Link prediction on scholarly knowledge graphs. Neurocomputing, 2021, 461, 530-542.	5.9	34
17	Context Transformer with Stacked Pointer Networks for Conversational Question Answering over Knowledge Graphs. Lecture Notes in Computer Science, 2021, , 356-371.	1.3	17
18	How Complex Is Your Classification Problem?. ACM Computing Surveys, 2020, 52, 1-34.	23.0	128

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19	IOTA: Interlinking of heterogeneous multilingual open fiscal DaTA. Expert Systems With Applications, 2020, 147, 113135.	7.6	4
20	3D Learning and Reasoning in Link Prediction Over Knowledge Graphs. IEEE Access, 2020, 8, 196459-196471.	4.2	1
21	Let the Margin SlidEÂ± for Knowledge Graph Embeddings via a Correntropy Objective Function. , 2020, , .		4
22	IQA: Interactive query construction in semantic question answering systems. Web Semantics, 2020, 64, 100586.	2.9	12
23	DISE: A Distributed in-Memory SPARQL Processing Engine over Tensor Data. , 2020, , .		1
24	Let's build Bridges, not Walls: SPARQL Querying of TinkerPop Graph Databases with Sparql-Gremlin. , 2020, , .		4
25	Embedding-Based Recommendations onÂScholarly Knowledge Graphs. Lecture Notes in Computer Science, 2020, , 255-270.	1.3	10
26	VQuAnDa: Verbalization QUestion ANswering DAtaset. Lecture Notes in Computer Science, 2020, , 531-547.	1.3	12
27	Temporal Knowledge Graph Completion Based on Time Series Gaussian Embedding. Lecture Notes in Computer Science, 2020, , 654-671.	1.3	30
28	Evaluating the Impact of Knowledge Graph Context on Entity Disambiguation Models. , 2020, , .		28
29	Meta-hyperband: Hyperparameter Optimization with Meta-learning and Coarse-to-Fine. Lecture Notes in Computer Science, 2020, , 335-347.	1.3	0
30	MINDS: A Translator to Embed Mathematical Expressions Inside SPARQL Queries. Lecture Notes in Computer Science, 2020, , 104-117.	1.3	1
31	PNEL: Pointer Network Based End-To-End Entity Linking over Knowledge Graphs. Lecture Notes in Computer Science, 2020, , 21-38.	1.3	6
32	Knowledge Graph Embeddings in Geometric Algebras. , 2020, , .		8
33	Ontology Design for Pharmaceutical Research Outcomes. Lecture Notes in Computer Science, 2020, , 119-132.	1.3	1
34	Encoding Knowledge Graph Entity Aliases in Attentive Neural Network forÂWikidata Entity Linking. Lecture Notes in Computer Science, 2020, , 328-342.	1.3	7
35	CASQAD â€“ A New Dataset for Context-Aware Spatial Question Answering. Lecture Notes in Computer Science, 2020, , 3-17.	1.3	1
36	TISCO: Temporal Scoping of Facts. , 2019, , .		1

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37	BioKEEN: a library for learning and evaluating biological knowledge graph embeddings. Bioinformatics, 2019, 35, 3538-3540.	4.1	19
38	SML-BenchÂâ€“ A benchmarking framework for structured machine learning. Semantic Web, 2019, 10, 231-245.	1.9	10
39	New label noise injection methods for the evaluation of noise filters. Knowledge-Based Systems, 2019, 163, 693-704.	7.1	24
40	TISCO: Temporal scoping of facts. Web Semantics, 2019, 54, 72-86.	2.9	14
41	Incorporating Joint Embeddings into Goal-Oriented Dialogues with Multi-task Learning. Lecture Notes in Computer Science, 2019, , 225-239.	1.3	5
42	Incorporating Literals into Knowledge Graph Embeddings. Lecture Notes in Computer Science, 2019, , 347-363.	1.3	41
43	Pretrained Transformers for Simple Question Answering over Knowledge Graphs. Lecture Notes in Computer Science, 2019, , 470-486.	1.3	31
44	Learning to Rank Query Graphs for Complex Question Answering over Knowledge Graphs. Lecture Notes in Computer Science, 2019, , 487-504.	1.3	46
45	Using a KG-Copy Network for Non-goal Oriented Dialogues. Lecture Notes in Computer Science, 2019, , 93-109.	1.3	2
46	The KEEN Universe. Lecture Notes in Computer Science, 2019, , 3-18.	1.3	4
47	Squerall: Virtual Ontology-Based Access to Heterogeneous and Large Data Sources. Lecture Notes in Computer Science, 2019, , 229-245.	1.3	22
48	QaldGen: Towards Microbenchmarking of Question Answering Systems over Knowledge Graphs. Lecture Notes in Computer Science, 2019, , 277-292.	1.3	7
49	Sparklify: A Scalable Software Component for Efficient Evaluation of SPARQL Queries over Distributed RDF Datasets. Lecture Notes in Computer Science, 2019, , 293-308.	1.3	9
50	LC-QuAD 2.0: A Large Dataset for Complex Question Answering over Wikidata and DBpedia. Lecture Notes in Computer Science, 2019, , 69-78.	1.3	80
51	DBpedia FlexiFusion the Best of Wikipedia > Wikidata > Your Data. Lecture Notes in Computer Science, 2019, , 96-112.	1.3	12
52	Complex Query Augmentation for Question Answering over Knowledge Graphs. Lecture Notes in Computer Science, 2019, , 571-587.	1.3	7
53	Uniform Access to Multiform Data Lakes using Semantic Technologies. , 2019, , .		9
54	Old is Gold: Linguistic Driven Approach for Entity and Relation Linking of Short Text. , 2019, , .		45

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55	Deep Query Ranking for Question Answering over Knowledge Bases. Lecture Notes in Computer Science, 2019, , 635-638.	1.3	1
56	Clustering Pipelines of Large RDF POI Data. Lecture Notes in Computer Science, 2019, , 24-27.	1.3	1
57	SimpleLSTM: A Deep-Learning Approach to Simple-Claims Classification. Lecture Notes in Computer Science, 2019, , 244-255.	1.3	0
58	Towards a Scalable Semantic-Based Distributed Approach for SPARQL Query Evaluation. Lecture Notes in Computer Science, 2019, , 295-309.	1.3	2
59	Toward Veracity Assessment in RDF Knowledge Bases. Journal of Data and Information Quality, 2018, 9, 1-26.	2.1	8
60	Structured Knowledge on the Web 7.0. , 2018, , .		1
61	DL-Learner Structured Machine Learning on Semantic Web Data. , 2018, , .		9
62	Detecting Linked Data quality issues via crowdsourcing: A DBpedia study. Semantic Web, 2018, 9, 303-335.	1.9	20
63	Why Reinvent the Wheel. , 2018, , .		71
64	Two for one. , 2018, , .		8
65	Wikidata through the eyes of DBpedia. Semantic Web, 2018, 9, 493-503.	1.9	25
66	DistLODStats: Distributed Computation of RDF Dataset Statistics. Lecture Notes in Computer Science, 2018, , 206-222.	1.3	8
67	EARL: Joint Entity and Relation Linking for Question Answering over Knowledge Graphs. Lecture Notes in Computer Science, 2018, , 108-126.	1.3	65
68	Named Entity Recognition in Twitter Using Images and Text. Lecture Notes in Computer Science, 2018, , 191-199.	1.3	3
69	Formal Query Generation for Question Answering over Knowledge Bases. Lecture Notes in Computer Science, 2018, , 714-728.	1.3	31
70	A linked open data representation of patents registered in the US from 2005â€“2017. Scientific Data, 2018, 5, 180279.	5.3	1
71	Divided We Stand Out! Forging Cohorts fOr Numeric Outlier Detection in Large Scale Knowledge Graphs (CONOD). Lecture Notes in Computer Science, 2018, , 534-548.	1.3	6
72	Efficiently Pinpointing SPARQL Query Containments. Lecture Notes in Computer Science, 2018, , 210-224.	1.3	1

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73	Improving Response Selection in Multi-Turn Dialogue Systems by Incorporating Domain Knowledge. , 2018, , .		18
74	Survey on challenges of Question Answering in the Semantic Web. Semantic Web, 2017, 8, 895-920.	1.9	151
75	LDOW2017. , 2017, , .		0
76	Neural Network-based Question Answering over Knowledge Graphs on Word and Character Level. , 2017, , .		174
77	Torpedo: Improving the State-of-the-Art RDF Dataset Slicing. , 2017, , .		5
78	Sustainable Linked Data Generation: The Case of DBpedia. Lecture Notes in Computer Science, 2017, , 297-313.	1.3	2
79	LC-QuAD: A Corpus for Complex Question Answering over Knowledge Graphs. Lecture Notes in Computer Science, 2017, , 210-218.	1.3	118
80	SimDoc. , 2017, , .		4
81	Trying Not to Die Benchmarking. , 2017, , .		6
82	Benchmarking Faceted Browsing Capabilities of Triplestores. , 2017, , .		3
83	SQCFramework. , 2017, , .		9
84	Implementing scalable structured machine learning for big data in the SAKE project. , 2017, , .		3
85	LOG4MEX. , 2017, , .		0
86	Wombat â€“ A Generalization Approach for Automatic Link Discovery. Lecture Notes in Computer Science, 2017, , 103-119.	1.3	20
87	The BigDataEurope Platform â€“ Supporting the Variety Dimension of Big Data. Lecture Notes in Computer Science, 2017, , 41-59.	1.3	21
88	Distributed Semantic Analytics Using the SANSA Stack. Lecture Notes in Computer Science, 2017, , 147-155.	1.3	49
89	MEX Interfaces. , 2016, , .		3
90	AskNow: A Framework for Natural Language Query Formalization in SPARQL. Lecture Notes in Computer Science, 2016, , 300-316.	1.3	54

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91	DL-Learnerâ€”A framework for inductive learning on the Semantic Web. Web Semantics, 2016, 39, 15-24.	2.9	71
92	CubeQAâ€”Question Answering on RDF Data Cubes. Lecture Notes in Computer Science, 2016, , 325-340.	1.3	16
93	Semantically Enhanced Quality Assurance in the JURION Business Use Case. Lecture Notes in Computer Science, 2016, , 661-676.	1.3	6
94	Integrating New Refinement Operators in Terminological Decision Trees Learning. Lecture Notes in Computer Science, 2016, , 511-526.	1.3	2
95	ACRyLIQ: Leveraging DBpedia for Adaptive Crowdsourcing in Linked Data Quality Assessment. Lecture Notes in Computer Science, 2016, , 681-696.	1.3	5
96	Exploring Term Networks for Semantic Search over RDF Knowledge Graphs. Communications in Computer and Information Science, 2016, , 249-261.	0.5	3
97	MEX vocabulary. , 2015, , .		34
98	DeFactoâ€”Temporal and multilingual Deep Fact Validation. Web Semantics, 2015, 35, 85-101.	2.9	50
99	DBpedia â€“ A large-scale, multilingual knowledge base extracted from Wikipedia. Semantic Web, 2015, 6, 167-195.	1.9	1,826
100	Quality assessment for Linked Data:â€‰A Survey. Semantic Web, 2015, 7, 63-93.	1.9	387
101	Unsupervised learning of an extensive and usable taxonomy for DBpedia. , 2015, , .		12
102	LinkedSpending: OpenSpending becomes Linked Open Data. Semantic Web, 2015, 7, 95-104.	1.9	27
103	2nd special issue on Linked Dataset Descriptions. Semantic Web, 2015, 6, 103-104.	1.9	3
104	Automating RDF Dataset Transformation and Enrichment. Lecture Notes in Computer Science, 2015, , 371-387.	1.3	9
105	DBpedia Commons: Structured Multimedia Metadata from the Wikimedia Commons. Lecture Notes in Computer Science, 2015, , 281-289.	1.3	8
106	Assessing and Refining Mappingsto RDF to Improve Dataset Quality. Lecture Notes in Computer Science, 2015, , 133-149.	1.3	21
107	Increasing the financial transparency of European Commission project funding. Semantic Web, 2014, 5, 157-164.	1.9	12
108	A Fuzzy Knowledge Representation Model for Student Performance Assessment. , 2014, , .		3

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109	Test-driven evaluation of linked data quality. , 2014, , .		148
110	Databugger. , 2014, , .		15
111	Towards an open question answering architecture. , 2014, , .		28
112	Towards question answering on statistical linked data. , 2014, , .		10
113	LD viewer - linked data presentation framework. , 2014, , .		6
114	Ontology Based Data Access and Integration for Improving the Effectiveness of Farming in Nepal. , 2014, , .		17
115	Logics for the Semantic Web. Handbook of the History of Logic, 2014, , 679-710.	0.5	1
116	Hybrid Acquisition of Temporal Scopes for RDF Data. Lecture Notes in Computer Science, 2014, , 488-503.	1.3	16
117	Knowledge Base Creation, Enrichment and Repair. Lecture Notes in Computer Science, 2014, , 45-69.	1.3	1
118	Introduction to Linked Data and Its Lifecycle on the Web. Lecture Notes in Computer Science, 2014, , 1-99.	1.3	23
119	Lessons Learned â€" The Case of CROCUS: Cluster-Based Ontology Data Cleansing. Lecture Notes in Computer Science, 2014, , 14-24.	1.3	4
120	Inductive Lexical Learning of Class Expressions. Lecture Notes in Computer Science, 2014, , 42-53.	1.3	9
121	Linked Data Reasoning. X Media Press, 2014, , 193-206.	0.1	0
122	Improving the Performance of the DL-Learner SPARQL Component for Semantic Web Applications. Lecture Notes in Computer Science, 2013, , 332-337.	1.3	3
123	Can We Create Better Links by Playing Games?. , 2013, , .		1
124	Towards Transfer Learning of Link Specifications. , 2013, , .		0
125	Keyword Query Expansion on Linked Data Using Linguistic and Semantic Features. , 2013, , .		16
126	User-driven quality evaluation of DBpedia. , 2013, , .		85

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127	SPARQL2NL. , 2013, , .		11
128	Sorry, i don't speak SPARQL. , 2013, , .		45
129	Publishing and interlinking the Global Health Observatory dataset. Semantic Web, 2013, 4, 315-322.	1.9	12
130	Introduction to Linked Data and Its Lifecycle on the Web. Lecture Notes in Computer Science, 2013, , 1-90.	1.3	39
131	Pattern Based Knowledge Base Enrichment. Lecture Notes in Computer Science, 2013, , 33-48.	1.3	20
132	Crowdsourcing Linked Data Quality Assessment. Lecture Notes in Computer Science, 2013, , 260-276.	1.3	76
133	TripleCheckMate: A Tool for Crowdsourcing the Quality Assessment of Linked Data. Communications in Computer and Information Science, 2013, , 265-272.	0.5	32
134	Navigation-Induced Knowledge Engineering by Example. Lecture Notes in Computer Science, 2013, , 207-222.	1.3	2
135	SAIM â€“ One Step Closer to Zero-Configuration Link Discovery. Lecture Notes in Computer Science, 2013, , 167-172.	1.3	4
136	User Interface for a Template Based Question Answering System. Communications in Computer and Information Science, 2013, , 258-264.	0.5	1
137	Managing the Life-Cycle of Linked Data with the LOD2 Stack. Lecture Notes in Computer Science, 2012, , 1-16.	1.3	69
138	DBpedia and the live extraction of structured data from Wikipedia. Data Technologies and Applications, 2012, 46, 157-181.	0.8	73
139	LinkedGeoData: A core for a web of spatial open data. Semantic Web, 2012, 3, 333-354.	1.9	244
140	Template-based question answering over RDF data. , 2012, , .		307
141	deqa: Deep Web Extraction for Question Answering. Lecture Notes in Computer Science, 2012, , 131-147.	1.3	26
142	The German DBpedia: A Sense Repository for Linking Entities. , 2012, , 181-190.		10
143	Assessing Linked Data Mappings Using Network Measures. Lecture Notes in Computer Science, 2012, , 87-102.	1.3	78
144	LODStats â€“ An Extensible Framework for High-Performance Dataset Analytics. Lecture Notes in Computer Science, 2012, , 353-362.	1.3	96

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145	NIF Combinator: Combining NLP Tool Output. Lecture Notes in Computer Science, 2012, , 446-449.	1.3	4
146	Universal OWL Axiom Enrichment for Large Knowledge Bases. Lecture Notes in Computer Science, 2012, , 57-71.	1.3	36
147	DeFacto - Deep Fact Validation. Lecture Notes in Computer Science, 2012, , 312-327.	1.3	42
148	Towards integrating fuzzy logic capabilities into an ontology-based Inductive Logic Programming framework. , 2011, , .		11
149	Class expression learning for ontology engineering. Web Semantics, 2011, 9, 71-81.	2.9	100
150	DBpedia SPARQL Benchmark â€“ Performance Assessment with Real Queries on Real Data. Lecture Notes in Computer Science, 2011, , 454-469.	1.3	149
151	ReDD-Observatory: Using the Web of Data for Evaluating the Research-Disease Disparity. , 2011, , .		7
152	AutoSPARQL: Let Users Query Your Knowledge Base. Lecture Notes in Computer Science, 2011, , 63-79.	1.3	61
153	Introduction to Linked Data and Its Lifecycle on the Web. Lecture Notes in Computer Science, 2011, , 1-75.	1.3	28
154	Learning of OWL Class Expressions on Very Large Knowledge Bases and its Applications. , 2011, , 104-130.		6
155	Extracting reduced logic programs from artificial neural networks. Applied Intelligence, 2010, 32, 249-266.	5.3	13
156	Concept learning in description logics using refinement operators. Machine Learning, 2010, 78, 203-250.	5.4	130
157	Creating knowledge out of interlinked data. Semantic Web, 2010, 1, 97-104.	1.9	37
158	Class Expression Learning for Ontology Engineering. SSRN Electronic Journal, 2010, , .	0.4	1
159	Ideal Downward Refinement in the $mathcal{EL}$ Description Logic. Lecture Notes in Computer Science, 2010, , 73-87.	1.3	25
160	I18n of Semantic Web Applications. Lecture Notes in Computer Science, 2010, , 1-16.	1.3	8
161	ORE - A Tool for Repairing and Enriching Knowledge Bases. Lecture Notes in Computer Science, 2010, , 177-193.	1.3	38
162	DBpedia - A crystallization point for the Web of Data. Web Semantics, 2009, 7, 154-165.	2.9	1,560

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163	Learning of OWL Class Descriptions on Very Large Knowledge Bases. International Journal on Semantic Web and Information Systems, 2009, 5, 25-48.	5.1	64
164	Triplify. , 2009, , .		161
165	DBpedia Live Extraction. Lecture Notes in Computer Science, 2009, , 1209-1223.	1.3	28
166	RelFinder: Revealing Relationships in RDF Knowledge Bases. Lecture Notes in Computer Science, 2009, , 182-187.	1.3	90
167	DBpedia: A Nucleus for a Web of Open Data. Lecture Notes in Computer Science, 2007, , 722-735.	1.3	2,317
168	What Have Innsbruck and Leipzig in Common? Extracting Semantics from Wiki Content. Lecture Notes in Computer Science, 2007, , 503-517.	1.3	106
169	Hybrid Learning of Ontology Classes. Lecture Notes in Computer Science, 2007, , 883-898.	1.3	22
170	A Refinement Operator Based Learning Algorithm for the $mathcal{ALC}$ Description Logic. , 2007, , 147-160.		46
171	Foundations of Refinement Operators for Description Logics. , 2007, , 161-174.		27
172	Geolog: Scalable Logic Programming on Spatial Data. Electronic Proceedings in Theoretical Computer Science, EPTCS, 0, 345, 191-204.	0.8	0
173	DeFacto - Temporal and Multilingual Deep Fact Validation. SSRN Electronic Journal, 0, , .	0.4	2
174	TISCO: Temporal Scoping of Facts. SSRN Electronic Journal, 0, , .	0.4	0