Philippe Cudre-Mauroux

List of Publications by Year
in descending order

151	4,066	279701	233338
papers	citations	23 h-index	45 g-index

156	156	156	2727
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	ZenCrowd. , 2012, , .		329
2	P-Grid. SIGMOD Record, 2003, 32, 29-33.	0.7	267
3	OLTP-Bench. Proceedings of the VLDB Endowment, 2013, 7, 277-288.	2.1	235
4	Revisiting User Mobility and Social Relationships in LBSNs: A Hypergraph Embedding Approach. , 2019, , .		168
5	HYRISE. Proceedings of the VLDB Endowment, 2010, 4, 105-116.	2.1	165
6	TrajStore: An adaptive storage system for very large trajectory data sets. , 2010, , .		139
7	Pick-a-crowd. , 2013, , .		123
8	The Dynamics of Micro-Task Crowdsourcing. , 2015, , .		121
9	A demonstration of SciDB. Proceedings of the VLDB Endowment, 2009, 2, 1534-1537.	2.1	118
10	GridVine: Building Internet-Scale Semantic Overlay Networks. Lecture Notes in Computer Science, 2004, , 107-121.	1.0	117
11	The chatty web. , 2003, , .		98
12	Relation Extraction Using Distant Supervision. ACM Computing Surveys, 2019, 51, 1-35.	16.1	80
13	Location Prediction over Sparse User Mobility Traces Using RNNs: Flashback in Hidden States!. , 2020, , .		80
14	Large-scale linked data integration using probabilistic reasoning and crowdsourcing. VLDB Journal, 2013, 22, 665-687.	2.7	77
15	Are Meta-Paths Necessary?. , 2018, , .		70
16	RDF Data Storage and Query Processing Schemes. ACM Computing Surveys, 2019, 51, 1-36.	16.1	69
17	Start making sense: The Chatty Web approach for global semantic agreements. Web Semantics, 2003, 1, 89-114.	2.2	65
18	GridVine: An Infrastructure for Peer Information Management. IEEE Internet Computing, 2007, 11, 36-44.	3.2	60

#	Article	IF	Citations
19	Beyond Triplets: Hyper-Relational Knowledge Graph Embedding for Link Prediction. , 2020, , .		56
20	Privacy-Preserving Social Media Data Publishing for Personalized Ranking-Based Recommendation. IEEE Transactions on Knowledge and Data Engineering, 2019, 31, 507-520.	4.0	55
21	Combining inverted indices and structured search for ad-hoc object retrieval. , 2012, , .		53
22	NoSQL Databases for RDF: An Empirical Evaluation. Lecture Notes in Computer Science, 2013, , 310-325.	1.0	53
23	Emergent Semantics Principles and Issues. Lecture Notes in Computer Science, 2004, , 25-38.	1.0	52
24	CrimeTelescope: crime hotspot prediction based on urban and social media data fusion. World Wide Web, 2018, 21, 1323-1347.	2.7	50
25	Big Data Semantics. Journal on Data Semantics, 2018, 7, 65-85.	2.0	47
26	PrivCheck. , 2016, , .		45
27	Online anomaly detection over Big Data streams. , 2015, , .		41
28	DiploCloud: Efficient and Scalable Management of RDF Data in the Cloud. IEEE Transactions on Knowledge and Data Engineering, 2016, 28, 659-674.	4.0	38
29	Scalable Anomaly Detection for Smart City Infrastructure Networks. IEEE Internet Computing, 2013, 17, 39-47.	3.2	36
30	NodeSketch. , 2019, , .		34
31	SECTOR: A Neural Model for Coherent Topic Segmentation and Classification. Transactions of the Association for Computational Linguistics, 2019, 7, 169-184.	3.2	34
32	A framework for semantic gossiping. SIGMOD Record, 2002, 31, 48-53.	0.7	33
33	idMesh. , 2009, , .		33
34	Efficient Versioning for Scientific Array Databases. , 2012, , .		28
35	TripleProv. , 2014, , .		27
36	TRank: Ranking Entity Types Using the Web of Data. Lecture Notes in Computer Science, 2013, , 640-656.	1.0	27

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37	Big data analytics on high Velocity streams: A case study. , 2013, , .		26
38	ActiveLink: Deep Active Learning for Link Prediction in Knowledge Graphs. , 2019, , .		26
39	Pooling-based continuous evaluation of information retrieval systems. Information Retrieval, 2015, 18, 445-472.	1.6	25
40	Storing, Tracking, and Querying Provenance in Linked Data. IEEE Transactions on Knowledge and Data Engineering, 2017, 29, 1751-1764.	4.0	25
41	Experience using web services for biological sequence analysis. Briefings in Bioinformatics, 2008, 9, 493-505.	3.2	24
42	Contextualized ranking of entity types based on knowledge graphs. Web Semantics, 2016, 37-38, 170-183.	2.2	24
43	Emergent Semantics Systems. Lecture Notes in Computer Science, 2004, , 14-43.	1.0	23
44	Scheduling Human Intelligence Tasks in Multi-Tenant Crowd-Powered Systems. , 2016, , .		22
45	HistoSketch: Fast Similarity-Preserving Sketching of Streaming Histograms with Concept Drift. , 2017, , .		22
46	dipLODocus[RDF]â€"Short and Long-Tail RDF Analytics for Massive Webs of Data. Lecture Notes in Computer Science, 2011, , 778-793.	1.0	21
47	Neighborhood-Based Tag Prediction. Lecture Notes in Computer Science, 2009, , 608-622.	1.0	20
48	Benchmarking OLTP/web databases in the cloud. , 2012, , .		19
49	Effective named entity recognition for idiosyncratic web collections. , 2014, , .		17
50	Leveraging Knowledge Graphs for Big Data Integration: the XI Pipeline. Semantic Web, 2020, 11, 13-17.	1.1	17
51	PicShark: mitigating metadata scarcity through large-scale P2P collaboration. VLDB Journal, 2008, 17, 1371-1384.	2.7	16
52	TRISTAN: Real-time analytics on massive time series using sparse dictionary compression. , 2014, , .		16
53	SANAPHOR: Ontology-Based Coreference Resolution. Lecture Notes in Computer Science, 2015, , 458-473.	1.0	16
54	BowlognaBenchâ€"Benchmarking RDF Analytics. Lecture Notes in Business Information Processing, 2012, , 82-102.	0.8	16

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55	OpenCrowd: A Human-AI Collaborative Approach for Finding Social Influencers via Open-Ended Answers Aggregation. , 2020, , .		16
56	Trends & Methods in Chatbot Evaluation. , 2020, , .		16
57	Graph data management systems for new application domains. Proceedings of the VLDB Endowment, 2011, 4, 1510-1511.	2.1	16
58	Executing Provenance-Enabled Queries over Web Data. , 2015, , .		15
59	Predicting the Success of Online Petitions Leveraging Multidimensional Time-Series. , 2017, , .		15
60	Enhancing Conversational Agents with Empathic Abilities. , 2021, , .		15
61	Semantic Web Meets Computational Intelligence: State of the Art and Perspectives [Review Article]. IEEE Computational Intelligence Magazine, 2012, 7, 67-74.	3.4	14
62	Scalpel-CD: Leveraging Crowdsourcing and Deep Probabilistic Modeling for Debugging Noisy Training Data. , 2019, , .		14
63	The Bowlogna ontology: Fostering open curricula and agile knowledge bases for Europe's higher education landscape. Semantic Web, 2013, 4, 53-63.	1.1	13
64	FORA â€“ A fuzzy set based framework for online reputation management. Fuzzy Sets and Systems, 2015, 269, 90-114.	1.6	13
65	Viewpoints on Emergent Semantics. Lecture Notes in Computer Science, 2006, , 1-27.	1.0	13
66	NoizCrowd: A Crowd-Based Data Gathering and Management System for Noise Level Data. Lecture Notes in Computer Science, 2013, , 172-186.	1.0	13
67	CORAD: Correlation-Aware Compression of Massive Time Series using Sparse Dictionary Coding. , 2019, , .		12
68	Location-Centric Social Media Analytics: Challenges and Opportunities for Smart Cities. IEEE Intelligent Systems, 2021, 36, 3-10.	4.0	12
69	Ontology-Based Word Sense Disambiguation for Scientific Literature. Lecture Notes in Computer Science, 2013, , 594-605.	1.0	10
70	Accuracy Evaluation of Overlapping and Multi-Resolution Clustering Algorithms on Large Datasets. , 2019, , .		10
71	Wiki2Prop: A Multimodal Approach for Predicting Wikidata Properties from Wikipedia. , 2021, , .		10
72	Non-parametric Class Completeness Estimators for Collaborative Knowledge Graphsâ€"The Case of Wikidata. Lecture Notes in Computer Science, 2019, , 453-469.	1.0	10

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73	In-network support for transaction triaging. Proceedings of the VLDB Endowment, 2021, 14, 1626-1639.	2.1	10
74	To tag or not to tag -. , 2008, , .		9
75	A force-directed approach for offline GPS trajectory map matching. , 2018, , .		9
76	A Necessary Condition for Semantic Interoperability in the Large. Lecture Notes in Computer Science, 2004, , 859-872.	1.0	9
77	MiSTRAL: An architecture for low-latency analytics on MasSive time series. , 2013, , .		8
78	A low-latency, big database system and browser for storage, querying and visualization of 3D genomic data. Nucleic Acids Research, 2015, 43, e103-e103.	6.5	8
79	VoldemortKG: Mapping schema.org and Web Entities to Linked Open Data. Lecture Notes in Computer Science, 2016, , 220-228.	1.0	8
80	A data-driven approach to predict NOx-emissions of gas turbines. , 2017, , .		8
81	Scalable recovery of missing blocks in time series with high and low cross-correlations. Knowledge and Information Systems, 2020, 62, 2257-2280.	2.1	8
82	Guest Editorial: Special Issue on Human-Centered Web Science. World Wide Web, 2010, 13, 1-2.	2.7	7
83	Efficient Document Filtering Using Vector Space Topic Expansion and Pattern-Mining. , 2017, , .		7
84	RecovDB: Accurate and Efficient Missing Blocks Recovery for Large Time Series. , 2019, , .		7
85	D HistoSketch: Discriminative and Dynamic Similarity-Preserving Sketching of Streaming Histograms. IEEE Transactions on Knowledge and Data Engineering, 2019, 31, 1898-1911.	4.0	7
86	Advances in Data Management in the Big Data Era. IFIP Advances in Information and Communication Technology, 2021, , 99-126.	0.5	7
87	A Comparison of Data Structures to Manage URIs on the Web of Data. Lecture Notes in Computer Science, 2015, , 137-151.	1.0	7
88	From bioinformatic web portals to semantically integrated Data Grid networks. Future Generation Computer Systems, 2007, 23, 485-496.	4.9	6
89	Fusing Vector Space Models for Domain-Specific Applications. , 2019, , .		6
90	Event Detection on Microposts: A Comparison of Four Approaches. IEEE Transactions on Knowledge and Data Engineering, 2021, 33, 1467-1478.	4.0	6

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91	RETA: A Schema-Aware, End-to-End Solution for Instance Completion in Knowledge Graphs. , 2021, , .		6
92	Playing Atari with few neurons. Autonomous Agents and Multi-Agent Systems, 2021, 35, 17.	1.3	6
93	A Human-AI Loop Approach for Joint Keyword Discovery and Expectation Estimation in Micropost Event Detection. Proceedings of the AAAI Conference on Artificial Intelligence, 2020, 34, 2451-2458.	3.6	6
94	A demonstration of TripleProv. Proceedings of the VLDB Endowment, 2015, 8, 1992-1995.	2.1	5
95	Annotating Web Tables through Knowledge Bases: A Context-Based Approach. , 2020, , .		5
96	Tag Recommendation for Large-Scale Ontology-Based Information Systems. Lecture Notes in Computer Science, 2012, , 325-336.	1.0	5
97	Emergent Semantics. , 2009, , 982-985.		5
98	ORBITS. Proceedings of the VLDB Endowment, 2020, 14, 294-306.	2.1	5
99	Analyzing Large-Scale Public CampaignsÂonÂTwitter. Lecture Notes in Computer Science, 2016, , 225-243.	1.0	4
100	StaTIX â€" Statistical Type Inference on Linked Data. , 2018, , .		4
101	Deadline-Aware Fair Scheduling for Multi-Tenant Crowd-Powered Systems. ACM Transactions on Social Computing, 2019, 2, 1-29.	1.7	4
102	Bridging the Gap between Community and Node Representations: Graph Embedding via Community Detection. , 2019, , .		4
103	Revisiting Text and Knowledge Graph Joint Embeddings: The Amount of Shared Information Matters!. , 2019, , .		4
104	VADETIS: An Explainable Evaluator for Anomaly Detection Techniques. , 2021, , .		4
105	Demonstration of the TrajStore system. Proceedings of the VLDB Endowment, 2009, 2, 1554-1557.	2.1	4
106	ConvTab: A Context-Preserving, Convolutional Model for Ad-Hoc Table Retrieval. , 2021, , .		4
107	Hybrid graph and relational query processing in main memory. , 2013, , .		3
108	Correct Me If I'm Wrong. , 2014, , .		3

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109	Clubmark: A Parallel Isolation Framework for Benchmarking and Profiling Clustering Algorithms on NUMA Architectures. , 2018, , .		3
110	Skalierbar Anomalien erkennen fÃ¼r Smart City Infrastrukturen. Edition HMD, 2016, , 289-299.	0.1	3
111	Hippocampus. , 2014, , .		2
112	BenchPress. , 2015, , .		2
113	APCNN: Tackling Class Imbalance in Relation Extraction through Aggregated Piecewise Convolutional Neural Networks. , 2019, , .		2
114	Knowledge Graph Embeddings. , 2019, , 1073-1080.		2
115	City-Stories: Combining Entity Linking, Multimedia Retrieval, and Crowdsourcing to Make Historical Data Accessible. Lecture Notes in Computer Science, 2021, , 521-524.	1.0	2
116	Peer Grading the Peer Reviews: A Dual-Role Approach for Lightening the Scholarly Paper Review Process. , 2021, , .		2
117	Peer Data Management System. , 2009, , 2055-2056.		2
118	Playing Atari with Six Neurons (Extended Abstract). , 2020, , .		2
119	A demonstration of HYRISE. Proceedings of the VLDB Endowment, 2011, 4, 1434-1437.	2.1	2
120	Message Passing in Semantic Peer-to-Peer Overlay Networks [Exploratory DSP]. IEEE Signal Processing Magazine, 2007, 24, 131-135.	4.6	1
121	Loose ontological coupling and the Social Semantic Web. Journal of Ambient Intelligence and Humanized Computing, 2013, 4, 349-356.	3.3	1
122	B-hist: Entity-centric search over personal web browsing history. Web Semantics, 2014, 27-28, 19-25.	2.2	1
123	CINTIA: A distributed, low-latency index for big interval data. , 2015, , .		1
124	Linked Data Management. , 2017, , 307-338.		1
125	SwissLink. , 2017, , .		1
126	Assessing data veracity through domain specific knowledge base inspection. , 2017, , .		1

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127	Automatic Embedding of Social Network Profile Links into Knowledge Graphs. , 2018, , .		1
128	DAOC: Stable Clustering of Large Networks. , 2019, , .		1
129	Peer Data Management System. , 2018, , 2696-2698.		1
130	The Best of Both Worlds: Context-Powered Word Embedding Combinations for Longitudinal Text Analysis. , 2020, , .		1
131	On the Convergence of Structured Search, Information Retrieval and Trust Management in Distributed Systems. Lecture Notes in Computer Science, 2005, , 1-14.	1.0	1
132	Peer Data Management System. , 2016, , 1-2.		1
133	Hydra: Cancer Detection Leveraging Multiple Heads and Heterogeneous Datasets. , 2020, , .		1
134	Will Graph Data Management Techniques Contribute to the Successful Large-Scale Deployment of Semantic Web Technologies?. , 2012, , .		0
135	Special Issue on Semantic Web Meets Computational Intelligence [Guest Editorial]. IEEE Computational Intelligence Magazine, 2012, 7, 14-15.	3.4	0
136	Contextualized Ranking of Entity Types Based on Knowledge Graphs. SSRN Electronic Journal, 2016, , .	0.4	0
137	LinkedPolitics: Incremental Semantic Lifting of Political Facts. , 2016, , .		0
138	Managing Big Interval Data with CINTIA: The Checkpoint INTerval Array. IEEE Transactions on Big Data, 2021, 7, 285-298.	4.4	0
139	GraphEDM: A Graph-Based Approach to Disambiguate Entities in Microposts. , 2021, , .		0
140	Loose Ontological Coupling and the Social Semantic Web. Advances in Intelligent and Soft Computing, 2011, , 11-15.	0.2	0
141	B-Hist: Entity-Centric Search Over Personal Web Browsing History. SSRN Electronic Journal, 0, , .	0.4	0
142	TransactiveDB. Proceedings of the VLDB Endowment, 2014, 7, 1977-1980.	2.1	0
143	From Knowledge Engineering for Development to Development Informatics. Lecture Notes in Computer Science, 2015, , 18-29.	1.0	0
144	Adaptive RDF Query Processing Based on Provenance. Lecture Notes in Computer Science, 2015, , 264-266.	1.0	0

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145	Emergent Semantics. , 2017, , 1-4.		0
146	Semantic Search. , 2018, , 1-6.		0
147	Emergent Semantics. , 2018, , 1290-1293.		0
148	SciDB. , 2019, , 1467-1470.		0
149	Semantic Search. , 2019, , 1500-1505.		0
150	SwissFinder: Identifying Swiss Websites from Unstructured Content. , 2020, , .		0
151	Technical perspective: Leveraging social context for fake news detection. Communications of the ACM, 2022, 65, 123-123.	3.3	0