

Philippe Cudre-Mauroux

List of Publications by Year in descending order

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Version: 2024-02-01

151
papers

4,066
citations

279701

23
h-index

233338

45
g-index

156
all docs

156
docs citations

156
times ranked

2727
citing authors

#	ARTICLE	IF	CITATIONS
1	Technical perspective: Leveraging social context for fake news detection. Communications of the ACM, 2022, 65, 123-123.	3.3	0
2	Location-Centric Social Media Analytics: Challenges and Opportunities for Smart Cities. IEEE Intelligent Systems, 2021, 36, 3-10.	4.0	12
3	Managing Big Interval Data with CINTIA: The Checkpoint INTERVAL Array. IEEE Transactions on Big Data, 2021, 7, 285-298.	4.4	0
4	Event Detection on Microposts: A Comparison of Four Approaches. IEEE Transactions on Knowledge and Data Engineering, 2021, 33, 1467-1478.	4.0	6
5	Advances in Data Management in the Big Data Era. IFIP Advances in Information and Communication Technology, 2021, , 99-126.	0.5	7
6	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
7	VADETIS: An Explainable Evaluator for Anomaly Detection Techniques. , 2021, , .		4
8	RETA: A Schema-Aware, End-to-End Solution for Instance Completion in Knowledge Graphs. , 2021, , .		6
9	Wiki2Prop: A Multimodal Approach for Predicting Wikidata Properties from Wikipedia. , 2021, , .		10
10	Peer Grading the Peer Reviews: A Dual-Role Approach for Lightening the Scholarly Paper Review Process. , 2021, , .		2
11	Playing Atari with few neurons. Autonomous Agents and Multi-Agent Systems, 2021, 35, 17.	1.3	6
12	GraphEDM: A Graph-Based Approach to Disambiguate Entities in Microposts. , 2021, , .		0
13	Enhancing Conversational Agents with Empathic Abilities. , 2021, , .		15
14	In-network support for transaction triaging. Proceedings of the VLDB Endowment, 2021, 14, 1626-1639.	2.1	10
15	ConvTab: A Context-Preserving, Convolutional Model for Ad-Hoc Table Retrieval. , 2021, , .		4
16	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
17	Annotating Web Tables through Knowledge Bases: A Context-Based Approach. , 2020, , .		5
18	Leveraging Knowledge Graphs for Big Data Integration: the XI Pipeline. Semantic Web, 2020, 11, 13-17.	1.1	17

#	ARTICLE	IF	CITATIONS
19	The Best of Both Worlds: Context-Powered Word Embedding Combinations for Longitudinal Text Analysis. , 2020, , .		1
20	OpenCrowd: A Human-AI Collaborative Approach for Finding Social Influencers via Open-Ended Answers Aggregation. , 2020, , .		16
21	Beyond Triplets: Hyper-Relational Knowledge Graph Embedding for Link Prediction. , 2020, , .		56
22	Trends & Methods in Chatbot Evaluation. , 2020, , .		16
23	Location Prediction over Sparse User Mobility Traces Using RNNs: Flashback in Hidden States!. , 2020, , .		80
24	Playing Atari with Six Neurons (Extended Abstract). , 2020, , .		2
25	Hydra: Cancer Detection Leveraging Multiple Heads and Heterogeneous Datasets. , 2020, , .		1
26	SwissFinder: Identifying Swiss Websites from Unstructured Content. , 2020, , .		0
27	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
28	ORBITS. Proceedings of the VLDB Endowment, 2020, 14, 294-306.	2.1	5
29	RDF Data Storage and Query Processing Schemes. ACM Computing Surveys, 2019, 51, 1-36.	16.1	69
30	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
31	NodeSketch. , 2019, , .		34
32	Scalpel-CD: Leveraging Crowdsourcing and Deep Probabilistic Modeling for Debugging Noisy Training Data. , 2019, , .		14
33	RecovDB: Accurate and Efficient Missing Blocks Recovery for Large Time Series. , 2019, , .		7
34	APCNN: Tackling Class Imbalance in Relation Extraction through Aggregated Piecewise Convolutional Neural Networks. , 2019, , .		2
35	Revisiting User Mobility and Social Relationships in LBSNs: A Hypergraph Embedding Approach. , 2019, , .		168
36	ActiveLink: Deep Active Learning for Link Prediction in Knowledge Graphs. , 2019, , .		26

#	ARTICLE	IF	CITATIONS
37	Accuracy Evaluation of Overlapping and Multi-Resolution Clustering Algorithms on Large Datasets. , 2019, , .		10
38	SECTOR: A Neural Model for Coherent Topic Segmentation and Classification. Transactions of the Association for Computational Linguistics, 2019, 7, 169-184.	3.2	34
39	Knowledge Graph Embeddings. , 2019, , 1073-1080.		2
40	Deadline-Aware Fair Scheduling for Multi-Tenant Crowd-Powered Systems. ACM Transactions on Social Computing, 2019, 2, 1-29.	1.7	4
41	Bridging the Gap between Community and Node Representations: Graph Embedding via Community Detection. , 2019, , .		4
42	DAOC: Stable Clustering of Large Networks. , 2019, , .		1
43	Revisiting Text and Knowledge Graph Joint Embeddings: The Amount of Shared Information Matters!. , 2019, , .		4
44	Fusing Vector Space Models for Domain-Specific Applications. , 2019, , .		6
45	CORAD: Correlation-Aware Compression of Massive Time Series using Sparse Dictionary Coding. , 2019, , .		12
46	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
47	Relation Extraction Using Distant Supervision. ACM Computing Surveys, 2019, 51, 1-35.	16.1	80
48	Non-parametric Class Completeness Estimators for Collaborative Knowledge Graphsâ€™The Case of Wikidata. Lecture Notes in Computer Science, 2019, , 453-469.	1.0	10
49	SciDB. , 2019, , 1467-1470.		0
50	Semantic Search. , 2019, , 1500-1505.		0
51	CrimeTelescope: crime hotspot prediction based on urban and social media data fusion. World Wide Web, 2018, 21, 1323-1347.	2.7	50
52	Clubmark: A Parallel Isolation Framework for Benchmarking and Profiling Clustering Algorithms on NUMA Architectures. , 2018, , .		3
53	StaTIX â€™ Statistical Type Inference on Linked Data. , 2018, , .		4
54	A force-directed approach for offline GPS trajectory map matching. , 2018, , .		9

#	ARTICLE	IF	CITATIONS
55	Are Meta-Paths Necessary?. , 2018, , .		70
56	Automatic Embedding of Social Network Profile Links into Knowledge Graphs. , 2018, , .		1
57	Big Data Semantics. Journal on Data Semantics, 2018, 7, 65-85.	2.0	47
58	Peer Data Management System. , 2018, , 2696-2698.		1
59	Semantic Search. , 2018, , 1-6.		0
60	Emergent Semantics. , 2018, , 1290-1293.		0
61	Linked Data Management. , 2017, , 307-338.		1
62	Predicting the Success of Online Petitions Leveraging Multidimensional Time-Series. , 2017, , .		15
63	Storing, Tracking, and Querying Provenance in Linked Data. IEEE Transactions on Knowledge and Data Engineering, 2017, 29, 1751-1764.	4.0	25
64	Efficient Document Filtering Using Vector Space Topic Expansion and Pattern-Mining. , 2017, , .		7
65	SwissLink. , 2017, , .		1
66	A data-driven approach to predict NOx-emissions of gas turbines. , 2017, , .		8
67	HistoSketch: Fast Similarity-Preserving Sketching of Streaming Histograms with Concept Drift. , 2017, , .		22
68	Assessing data veracity through domain specific knowledge base inspection. , 2017, , .		1
69	Emergent Semantics. , 2017, , 1-4.		0
70	Contextualized Ranking of Entity Types Based on Knowledge Graphs. SSRN Electronic Journal, 2016, , .	0.4	0
71	Scheduling Human Intelligence Tasks in Multi-Tenant Crowd-Powered Systems. , 2016, , .		22
72	PrivCheck. , 2016, , .		45

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73	VoldemortKG: Mapping schema.org and Web Entities to Linked Open Data. Lecture Notes in Computer Science, 2016, , 220-228.	1.0	8
74	Analyzing Large-Scale Public Campaigns on Twitter. Lecture Notes in Computer Science, 2016, , 225-243.	1.0	4
75	LinkedPolitics: Incremental Semantic Lifting of Political Facts. , 2016, , .		0
76	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
77	Contextualized ranking of entity types based on knowledge graphs. Web Semantics, 2016, 37-38, 170-183.	2.2	24
78	Skalierbar Anomalien erkennen für Smart City Infrastrukturen. Edition HMD, 2016, , 289-299.	0.1	3
79	Peer Data Management System. , 2016, , 1-2.		1
80	Executing Provenance-Enabled Queries over Web Data. , 2015, , .		15
81	The Dynamics of Micro-Task Crowdsourcing. , 2015, , .		121
82	A demonstration of TripleProv. Proceedings of the VLDB Endowment, 2015, 8, 1992-1995.	2.1	5
83	CINTIA: A distributed, low-latency index for big interval data. , 2015, , .		1
84	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
85	Online anomaly detection over Big Data streams. , 2015, , .		41
86	BenchPress. , 2015, , .		2
87	Pooling-based continuous evaluation of information retrieval systems. Information Retrieval, 2015, 18, 445-472.	1.6	25
88	FORA – A fuzzy set based framework for online reputation management. Fuzzy Sets and Systems, 2015, 269, 90-114.	1.6	13
89	A Comparison of Data Structures to Manage URLs on the Web of Data. Lecture Notes in Computer Science, 2015, , 137-151.	1.0	7
90	SANAPHOR: Ontology-Based Coreference Resolution. Lecture Notes in Computer Science, 2015, , 458-473.	1.0	16

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91	From Knowledge Engineering for Development to Development Informatics. Lecture Notes in Computer Science, 2015, , 18-29.	1.0	0
92	Adaptive RDF Query Processing Based on Provenance. Lecture Notes in Computer Science, 2015, , 264-266.	1.0	0
93	TRISTAN: Real-time analytics on massive time series using sparse dictionary compression. , 2014, , .		16
94	Hippocampus. , 2014, , .		2
95	TripleProv. , 2014, , .		27
96	Effective named entity recognition for idiosyncratic web collections. , 2014, , .		17
97	Correct Me If I'm Wrong. , 2014, , .		3
98	B-hist: Entity-centric search over personal web browsing history. Web Semantics, 2014, 27-28, 19-25.	2.2	1
99	TransactiveDB. Proceedings of the VLDB Endowment, 2014, 7, 1977-1980.	2.1	0
100	Loose ontological coupling and the Social Semantic Web. Journal of Ambient Intelligence and Humanized Computing, 2013, 4, 349-356.	3.3	1
101	Large-scale linked data integration using probabilistic reasoning and crowdsourcing. VLDB Journal, 2013, 22, 665-687.	2.7	77
102	Scalable Anomaly Detection for Smart City Infrastructure Networks. IEEE Internet Computing, 2013, 17, 39-47.	3.2	36
103	Hybrid graph and relational query processing in main memory. , 2013, , .		3
104	Ontology-Based Word Sense Disambiguation for Scientific Literature. Lecture Notes in Computer Science, 2013, , 594-605.	1.0	10
105	Big data analytics on high Velocity streams: A case study. , 2013, , .		26
106	NoSQL Databases for RDF: An Empirical Evaluation. Lecture Notes in Computer Science, 2013, , 310-325.	1.0	53
107	MiSTRAL: An architecture for low-latency analytics on MasSive time series. , 2013, , .		8
108	Pick-a-crowd. , 2013, , .		123

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109	OLTP-Bench. Proceedings of the VLDB Endowment, 2013, 7, 277-288.	2.1	235
110	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
111	NoizCrowd: A Crowd-Based Data Gathering and Management System for Noise Level Data. Lecture Notes in Computer Science, 2013, , 172-186.	1.0	13
112	TRank: Ranking Entity Types Using the Web of Data. Lecture Notes in Computer Science, 2013, , 640-656.	1.0	27
113	Benchmarking OLTP/web databases in the cloud. , 2012, , .		19
114	Combining inverted indices and structured search for ad-hoc object retrieval. , 2012, , .		53
115	Will Graph Data Management Techniques Contribute to the Successful Large-Scale Deployment of Semantic Web Technologies?. , 2012, , .		0
116	ZenCrowd. , 2012, , .		329
117	Efficient Versioning for Scientific Array Databases. , 2012, , .		28
118	Special Issue on Semantic Web Meets Computational Intelligence [Guest Editorial]. IEEE Computational Intelligence Magazine, 2012, 7, 14-15.	3.4	0
119	Semantic Web Meets Computational Intelligence: State of the Art and Perspectives [Review Article]. IEEE Computational Intelligence Magazine, 2012, 7, 67-74.	3.4	14
120	BowlognaBenchâ€”Benchmarking RDF Analytics. Lecture Notes in Business Information Processing, 2012, , 82-102.	0.8	16
121	Tag Recommendation for Large-Scale Ontology-Based Information Systems. Lecture Notes in Computer Science, 2012, , 325-336.	1.0	5
122	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
123	Graph data management systems for new application domains. Proceedings of the VLDB Endowment, 2011, 4, 1510-1511.	2.1	16
124	Loose Ontological Coupling and the Social Semantic Web. Advances in Intelligent and Soft Computing, 2011, , 11-15.	0.2	0
125	A demonstration of HYRISE. Proceedings of the VLDB Endowment, 2011, 4, 1434-1437.	2.1	2
126	HYRISE. Proceedings of the VLDB Endowment, 2010, 4, 105-116.	2.1	165

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127	Guest Editorial: Special Issue on Human-Centered Web Science. <i>World Wide Web</i> , 2010, 13, 1-2.	2.7	7
128	TrajStore: An adaptive storage system for very large trajectory data sets. , 2010, , .		139
129	A demonstration of SciDB. <i>Proceedings of the VLDB Endowment</i> , 2009, 2, 1534-1537.	2.1	118
130	idMesh. , 2009, , .		33
131	Peer Data Management System. , 2009, , 2055-2056.		2
132	Neighborhood-Based Tag Prediction. <i>Lecture Notes in Computer Science</i> , 2009, , 608-622.	1.0	20
133	Demonstration of the TrajStore system. <i>Proceedings of the VLDB Endowment</i> , 2009, 2, 1554-1557.	2.1	4
134	Emergent Semantics. , 2009, , 982-985.		5
135	PicShark: mitigating metadata scarcity through large-scale P2P collaboration. <i>VLDB Journal</i> , 2008, 17, 1371-1384.	2.7	16
136	Experience using web services for biological sequence analysis. <i>Briefings in Bioinformatics</i> , 2008, 9, 493-505.	3.2	24
137	To tag or not to tag -. , 2008, , .		9
138	GridVine: An Infrastructure for Peer Information Management. <i>IEEE Internet Computing</i> , 2007, 11, 36-44.	3.2	60
139	Message Passing in Semantic Peer-to-Peer Overlay Networks [Exploratory DSP]. <i>IEEE Signal Processing Magazine</i> , 2007, 24, 131-135.	4.6	1
140	From bioinformatic web portals to semantically integrated Data Grid networks. <i>Future Generation Computer Systems</i> , 2007, 23, 485-496.	4.9	6
141	Viewpoints on Emergent Semantics. <i>Lecture Notes in Computer Science</i> , 2006, , 1-27.	1.0	13
142	On the Convergence of Structured Search, Information Retrieval and Trust Management in Distributed Systems. <i>Lecture Notes in Computer Science</i> , 2005, , 1-14.	1.0	1
143	GridVine: Building Internet-Scale Semantic Overlay Networks. <i>Lecture Notes in Computer Science</i> , 2004, , 107-121.	1.0	117
144	Emergent Semantics Principles and Issues. <i>Lecture Notes in Computer Science</i> , 2004, , 25-38.	1.0	52

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145	Emergent Semantics Systems. Lecture Notes in Computer Science, 2004, , 14-43.	1.0	23
146	A Necessary Condition for Semantic Interoperability in the Large. Lecture Notes in Computer Science, 2004, , 859-872.	1.0	9
147	Start making sense: The Chatty Web approach for global semantic agreements. Web Semantics, 2003, 1, 89-114.	2.2	65
148	P-Grid. SIGMOD Record, 2003, 32, 29-33.	0.7	267
149	The chatty web. , 2003, , .		98
150	A framework for semantic gossiping. SIGMOD Record, 2002, 31, 48-53.	0.7	33
151	B-Hist: Entity-Centric Search Over Personal Web Browsing History. SSRN Electronic Journal, 0, , .	0.4	0