Christoph Lange

List of Publications by Year
in descending order

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102	1,157	643344	685536
papers	citations	15 h-index	24 g-index

108	108	108	902
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Persistent Identification for Conferences. Data Science Journal, 2022, 21, .	0.6	0
2	Adversary-Aware Multimodal Neural Networks for Cancer Susceptibility Prediction From Multiomics Data. IEEE Access, 2022, 10, 54386-54409.	2.6	9
3	A comprehensive quality assessment framework for scientific events. Scientometrics, 2021, 126, 641-682.	1.6	4
4	Finding and analysing energy research funding data: The EnArgus system. Energy and AI, 2021, 5, 100070.	5.8	4
5	Towards Easy Vocabulary Drafts withÂNeologism 2.0. Lecture Notes in Computer Science, 2021, , 21-26.	1.0	5
6	Scholarly event characteristics in four fields of science: a metrics-based analysis. Scientometrics, 2020, 123, 677-705.	1.6	4
7	The International Data Spaces Information Model â€“ An Ontology for Sovereign Exchange of Digital Content. Lecture Notes in Computer Science, 2020, , 176-192.	1.0	19
8	Towards the semantic formalization of science. , 2020, , .		13
9	The scientific events ontology of the OpenResearch.org curation platform. , 2019, , .		7
10	Opening and Reusing Transparent Peer Reviews with Automatic Article Annotation. Publications, 2019, 7, 13.	1.9	3
11	OncoNetExplainer: Explainable Predictions of Cancer Types Based on Gene Expression Data. , 2019, , .		11
12	EVENTSKG: A 5-Star Dataset of Top-Ranked Events in Eight Computer Science Communities. Lecture Notes in Computer Science, 2019, , 427-442.	1.0	8
13	A Human-Friendly Query Generation Frontend for a Scientific Events Knowledge Graph. Lecture Notes in Computer Science, 2019, , 200-214.	1.0	1
14	SEO: A Scientific Events Data Model. Lecture Notes in Computer Science, 2019, , 79-95.	1.0	6
15	SAANSET: Semi-Automated Acquisition of Scholarly Metadata Using OpenResearch.org Platform. , 2018, , .		0
16	SemSur: A Core Ontology for the Semantic Representation of Research Findings. Procedia Computer Science, 2018, 137, 151-162.	1.2	18
17	Evaluating the quality of the LOD cloud: AnÂempirical investigation. Semantic Web, 2018, 9, 859-901.	1.1	37
18	Why Reinvent the Wheel. , 2018, , .		71

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19	EVENTSKG: A Knowledge Graph Representation for Top-Prestigious Computer Science Events Metadata. Lecture Notes in Computer Science, 2018, , 53-63.	1.0	12
20	Metadata Analysis of Scholarly Events of Computer Science, Physics, Engineering, and Mathematics. Lecture Notes in Computer Science, 2018, , 116-128.	1.0	10
21	Unveiling Scholarly Communities over Knowledge Graphs. Lecture Notes in Computer Science, 2018, , 103-115.	1.0	14
22	Synthesizing Knowledge Graphs from Web Sources with the MINTE$$^+$$ Framework. Lecture Notes in Computer Science, 2018, , 359-375.	1.0	3
23	Towards a Cloud-Based Service for Maintaining and Analyzing Data About Scientific Events. Lecture Notes in Computer Science, 2018, , 1-14.	1.0	0
24	EVENTS: A Dataset on the History of Top-Prestigious Events in Five Computer Science Communities. Lecture Notes in Computer Science, 2018, , 110-120.	1.0	4
25	Semantic Data Integration for Knowledge Graph Construction at Query Time. , 2017, , .		21
26	TurtleEditor 2.0: A Synchronized Visual and Text Editor for RDF Graphs. , 2017, , .		2
27	QAestro â€“ Semantic-Based Composition of Question Answering Pipelines. Lecture Notes in Computer Science, 2017, , 19-34.	1.0	4
28	MINTE. , 2017, , .		18
29	Opening Scholarly Communication in Social Sciences by Connecting Collaborative Authoring to Peer Review. Information-Wissenschaft Und Praxis, 2017, 68, .	0.1	2
30	Capturing Knowledge in Semantically-typed Relational Patterns to Enhance Relation Linking. , 2017, , .		15
31	Dataset Reuse. , 2017, , .		4
32	The Opening Scholarly Communication in Social Sciences project OSCOSS. , 2017, , 433-444.		0
33	A semi-automatic approach for detecting dataset references in social science texts. Information Services and Use, 2017, 36, 171-187.	0.1	2
34	Linked Data Notifications: A Resource-Centric Communication Protocol. Lecture Notes in Computer Science, 2017, , 537-553.	1.0	20
35	The Qanary Ecosystem: Getting New Insights by Composing Question Answering Pipelines. Lecture Notes in Computer Science, 2017, , 171-189.	1.0	14
36	Decentralised Authoring, Annotations and Notifications for a Read-Write Web with dokieli. Lecture Notes in Computer Science, 2017, , 469-481.	1.0	21

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37	Towards a Knowledge Graph Representing Research Findings by Semantifying Survey Articles. Lecture Notes in Computer Science, 2017, , 315-327.	1.0	35
38	Integration of Scholarly Communication Metadata Using Knowledge Graphs. Lecture Notes in Computer Science, 2017, , 328-341.	1.0	10
39	Analysing Scholarly Communication Metadata of Computer Science Events. Lecture Notes in Computer Science, 2017, , 342-354.	1.0	15
40	Realizing an RDF-Based Information Model forÂa Manufacturing Company â€“ A Case Study. Lecture Notes in Computer Science, 2017, , 350-366.	1.0	17
41	TurtleEditor: A Web-Based RDF Editor to Support Distributed Ontology Development on Repository Hosting Platforms. International Journal of Semantic Computing, 2017, 11, 311-323.	0.4	1
42	Exploiting Interlinked Research Metadata. Lecture Notes in Computer Science, 2017, , 3-14.	1.0	2
43	CEUR Make GUI - A Usable Web Frontend Supporting the Workflow of Publishing Proceedings of Scientific Workshops. Communications in Computer and Information Science, 2017, , 146-157.	0.4	0
44	Question Answering on Linked Data. , 2016, , .		10
45	Monitoring and Automating Factories Using Semantic Models. Lecture Notes in Computer Science, 2016, , 315-330.	1.0	4
46	Luzzu – A Framework for Linked Data Quality Assessment. , 2016, , .		20
47	Semantic Publishing Challenge â€“ Assessing the Quality of Scientific Output in Its Ecosystem. Communications in Computer and Information Science, 2016, , 243-254.	0.4	4
48	Qanary â€“ A Methodology for Vocabulary-Driven Open Question Answering Systems. Lecture Notes in Computer Science, 2016, , 625-641.	1.0	35
49	An introduction to mechanized reasoning. Journal of Mathematical Economics, 2016, 66, 26-39.	0.4	7
50	An RDF-based approach for implementing industry 4.0 components with Administration Shells. , 2016, , .		34
51	Are Linked Datasets fit for Open-domain Question Answering? A Quality Assessment. , 2016, , .		10
52	Luzzuâ€"A Methodology and Framework for Linked Data Quality Assessment. Journal of Data and Information Quality, 2016, 8, 1-32.	1.5	56
53	FuhSen. , 2016, , .		16
54	TurtleEditor: An Ontology-Aware Web-Editor for Collaborative Ontology Development. , 2016, , .		7

#	Article	IF	Citations
55	Towards Federated, Semantics-Based Supply Chain Analytics. Lecture Notes in Business Information Processing, 2016, , 436-447.	0.8	1
56	Qanary â€“ The Fast Track to Creating a Question Answering System with Linked Data Technology. Lecture Notes in Computer Science, 2016, , 183-188.	1.0	27
57	FuhSen: A Federated Hybrid Search Engine forÂBuilding a Knowledge Graph On-Demand (Short Paper). Lecture Notes in Computer Science, 2016, , 752-761.	1.0	6
58	Alligator: A Deductive Approach for the Integration of Industry 4.0 Standards. Lecture Notes in Computer Science, 2016, , 272-287.	1.0	7
59	VoCol: An Integrated Environment to Support Version-Controlled Vocabulary Development. Lecture Notes in Computer Science, 2016, , 303-319.	1.0	28
60	OpenResearch: Collaborative Management of Scholarly Communication Metadata. Lecture Notes in Computer Science, 2016, , 778-793.	1.0	19
61	A Preliminary Investigation Towards Improving Linked Data Quality Using Distance-Based Outlier Detection. Lecture Notes in Computer Science, 2016, , 116-124.	1.0	9
62	OpenAIRE LOD Services: Scholarly Communication Data as Linked Data. Lecture Notes in Computer Science, 2016, , 45-50.	1.0	7
63	Semantic Publishing Challenge: Bootstrapping a Value Chain for Scientific Data. Lecture Notes in Computer Science, 2016, , 73-89.	1.0	3
64	Crowdsourced semantic annotation of scientific publications and tabular data in PDF. , 2015, , .		8
65	Streaming transformation of XML to RDF using XPath-based mappings. , 2015, , .		8
66	Linked 'Big' Data: Towards a Manifold Increase in Big Data Value and Veracity. , 2015, , .		11
67	Sound Auction Specification and Implementation. , 2015, , .		9
68	OpenCourseWare observatory. , 2015, , .		7
69	Quality Assessment of Linked Datasets Using Probabilistic Approximation. Lecture Notes in Computer Science, 2015, , 221-236.	1.0	12
70	Mapping Large Scale Research Metadata to Linked Data: A Performance Comparison of HBase, CSV and XML. Communications in Computer and Information Science, 2015, , 261-273.	0.4	11
71	Measuring the Quality of Relational-to-RDF Mappings. Communications in Computer and Information Science, 2015, , 210-224.	0.4	6
72	Semantic Publishing Challenge â€“ Assessing the Quality of Scientific Output by Information Extraction and Interlinking. Communications in Computer and Information Science, 2015, , 65-80.	0.4	13

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73	Representing dataset quality metadata using multi-dimensional views. , 2014, , .		16
74	Semantic Web and Big Data meets Applied Ontology. Applied Ontology, 2014, 9, 155-170.	1.0	28
75	Identifying research schools using enriched bibliographical metadata. , 2014, , .		0
76	Set Theory or Higher Order Logic to Represent Auction Concepts in Isabelle?. Lecture Notes in Computer Science, 2014, , 236-251.	1.0	2
77	Linked Data und Digitale Bibliotheken. X Media Press, 2014, , 221-243.	0.1	0
78	Towards Facilitating Scientific Publishing and Knowledge Exchange Through Linked Data. Communications in Computer and Information Science, 2014, , 10-15.	0.4	0
79	Towards Facilitating Scientific Publishing and Knowledge Exchange Through Linked Data. Communications in Computer and Information Science, 2014, , 10-15.	0.4	1
80	Mashups Using Mathematical Knowledge. , 2013, , 171-204.		0
81	Ontologies and languages for representing mathematical knowledge on the Semantic Web. Semantic Web, 2013, 4, 119-158.	1.1	53
82	Semantics of the Distributed Ontology Language: Institutes and Institutions. Lecture Notes in Computer Science, 2013, , 212-230.	1.0	5
83	A Qualitative Comparison of the Suitability of Four Theorem Provers for Basic Auction Theory. Lecture Notes in Computer Science, 2013, , 200-215.	1.0	10
84	The ForMaRE Project â€“ Formal Mathematical Reasoning in Economics. Lecture Notes in Computer Science, 2013, , 330-334.	1.0	5
85	Authoring and Publishing Units and Quantities in Semantic Documents. Lecture Notes in Computer Science, 2012, , 202-216.	1.0	2
86	Bringing Mathematics to the Web of Data: The Case of the Mathematics Subject Classification. Lecture Notes in Computer Science, 2012, , 763-777.	1.0	13
87	Reimplementing the Mathematics Subject Classification (MSC) as a Linked Open Dataset. Lecture Notes in Computer Science, 2012, , 458-462.	1.0	5
88	The Distributed Ontology Language (DOL): Ontology Integration and Interoperability Applied to Mathematical Formalization. Lecture Notes in Computer Science, 2012, , 463-467.	1.0	1
89	Point-and-Write â€“ Documenting Formal Mathematics by Reference. Lecture Notes in Computer Science, 2012, , 169-185.	1.0	4
90	The Planetary System: Web 3.0 & Active Documents for STEM. Procedia Computer Science, 2011, 4, 598-607.	1.2	21

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91	Krextor - An Extensible Framework for Contributing Content Math to the Web of Data. Lecture Notes in Computer Science, 2011, , 304-306.	1.0	8
92	The Planetary System: Executable Science, Technology, Engineering and Math Papers. Lecture Notes in Computer Science, 2011, , 471-475.	1.0	0
93	STEX+. , 2010, , .		11
94	Publishing Math Lecture Notes as Linked Data. Lecture Notes in Computer Science, 2010, , 370-375.	1.0	16
95	Dimensions of Formality: A Case Study for MKM in Software Engineering. Lecture Notes in Computer Science, 2010, , 355-369.	1.0	1
96	Applying Semantic Techniques to Search and Analyze Bug Tracking Data. Journal of Network and Systems Management, 2009, 17, 285-308.	3.3	13
97	A Mathematical Approach to Ontology Authoring and Documentation. Lecture Notes in Computer Science, 2009, , 389-404.	1.0	10
98	SWiM â€“ A Semantic Wiki for Mathematical Knowledge Management. , 2008, , 832-837.		8
99	SWiM. , 2008, , 47-68.		7
100	Challenges as enablers for high quality Linked Data: insights from the Semantic Publishing Challenge. PeerJ Computer Science, 0, 3, e105.	2.7	10
101	A Formal Proof of Vickrey's Theorem by Blast, Simp, and Rule. SSRN Electronic Journal, 0, , .	0.4	1
102	Sound Auction Specification and Implementation. SSRN Electronic Journal, 0, , .	0.4	3