Sven Helmer

List of Publications by Year
in descending order

50 papers	**921** citations	933264 **10** h-index	642610 **23** g-index
52 all docs	**52** docs citations	**52** times ranked	**750** citing authors

#	Article	IF	Citations
1	Anatomy of a native XML base management system. VLDB Journal, 2002, 11, 292-314.	2.7	133
2	Evaluating lock-based protocols for cooperation on XML documents. SIGMOD Record, 2004, 33, 58-63.	0.7	95
3	A Container-Based Edge Cloud PaaS Architecture Based on Raspberry Pi Clusters. , 2016, , .		92
4	A survey study on major technical barriers affecting the decision to adopt cloud services. Journal of Systems and Software, 2015, 103, 167-181.	3.3	68
5	Affordable and Energy-Efficient Cloud Computing Clusters: The Bolzano Raspberry Pi Cloud Cluster Experiment. , 2013, , .		62
6	A performance study of four index structures for set-valued attributes of low cardinality. VLDB Journal, 2003, 12, 244-261.	2.7	49
7	An architecture pattern for trusted orchestration in IoT edge clouds. , 2018, , .		47
8	An interval join optimized for modern hardware. , 2016, , .		35
9	Efficient itinerary planning with category constraints. , 2014, , .		29
10	Strategies for query unnesting in XML databases. ACM Transactions on Database Systems, 2006, 31, 968-1013.	1.5	24
11	Integrating Star and Snowflake Schemas in Data Warehouses. International Journal of Data Warehousing and Mining, 2012, 8, 22-40.	0.4	17
12	An Interactive Framework for Video Surveillance Event Detection and Modeling. , 2017, , .		15
13	An Ontological Approach to Creating an Andean Weaving Knowledge Base. Journal on Computing and Cultural Heritage, 2015, 8, 1-31.	1.2	13
14	Evaluating different approaches for indexing fuzzy sets. Fuzzy Sets and Systems, 2003, 140, 167-182.	1.6	12
15	Measuring structural similarity of semistructured data based on information-theoretic approaches. VLDB Journal, 2012, 21, 677-702.	2.7	12
16	High-Level Surveillance Event Detection Using an Interval-Based Query Language. , 2016, , .		12
17	Sweeping-Based Temporal Aggregation. Lecture Notes in Computer Science, 2017, , 125-144.	1.0	12
18	A Performance Exploration of Architectural Options for a Middleware for Decentralised Lightweight Edge Cloud Architectures. , 2018, , .		12

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19	What is meaningful research and how should we measure it?. Scientometrics, 2020, 125, 153-169.	1.6	11
20	Index structures for efficiently accessing fuzzy data including cost models and measurements. Fuzzy Sets and Systems, 1999, 108, 11-37.	1.6	10
21	PIEJoin. , 2016, , .		10
22	ISEQL, an Interval-based Surveillance Event Query Language. International Journal of Multimedia Data Engineering and Management, 2016, 7, 1-21.	0.3	10
23	Improving orienteering-based tourist trip planning with social sensing. Future Generation Computer Systems, 2020, 110, 931-945.	4.9	9
24	A Platform for Edge Computing Based on Raspberry Pi Clusters. Lecture Notes in Computer Science, 2017, , 153-159.	1.0	9
25	An impact ordering approach for indexing fuzzy sets. Fuzzy Sets and Systems, 2012, 196, 33-46.	1.6	8
26	Bringing the Cloud to Rural and Remote Areas via Cloudlets. , 2016, , .		8
27	Fault-Tolerant Compression Algorithms for Delay-Sensitive Sensor Networks with Unreliable Links. , 2008, , 190-203.		8
28	Labeling the Frames of a Video Stream with Interval Events. , 2017, , .		7
29	Itinerary Planning with Category Constraints Using a Probabilistic Approach. Lecture Notes in Computer Science, 2017, , 363-377.	1.0	7
30	A Framework for High-Level Event Detection in a Social Network Context Via an Extension of ISEQL. , 2018, , .		7
31	Exploring Weaving Structures in the Andes: Reflections on the Creation of a Digital Archive. Visual Resources, 2013, 29, 59-71.	0.3	6
32	A Blockchain-based Decentralized Electronic Marketplace for Computing Resources. SN Computer Science, 2020, 1, 1.	2.3	6
33	Cache-efficient sweeping-based interval joins for extended Allen relation predicates. VLDB Journal, 2021, 30, 379-402.	2.7	6
34	Hybrid Best-First Greedy Search for Orienteering with Category Constraints. Lecture Notes in Computer Science, 2017, , 24-42.	1.0	5
35	Towards Building a Knowledge Base for Research on Andean Weaving. Lecture Notes in Computer Science, 2009, , 180-188.	1.0	5
36	An Event Detection Framework Supported by a Smart Graphical User Interface. , 2016, , .		3

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37	Interactive and space-efficient multi-dimensional time series subsequence matching. Information Systems, 2019, 82, 121-135.	2.4	3
38	Structural textile pattern recognition and processing based on hypergraphs. Information Retrieval, 2021, 24, 137-173.	1.6	3
39	Indexing Set-Valued Attributes with a Multi-level Extendible Hashing Scheme. Lecture Notes in Computer Science, 2007, , 98-108.	1.0	3
40	Introduction to Reasoning in Event-Based Distributed Systems. Studies in Computational Intelligence, 2011, , 1-10.	0.7	3
41	A Similarity Measure for Weaving Patterns in Textiles. , 2015, , .		2
42	Social Sensing for Improving the User Experience in Orienteering. , 2019, , .		2
43	A semantic pattern for trusted orchestration in IoT edge clouds. Internet Technology Letters, 2019, 2, e95.	1.4	2
44	Dynamic interleaving of content and structure for robust indexing of semi-structured hierarchical data. Proceedings of the VLDB Endowment, 2020, 13, 1641-1653.	2.1	2
45	Engineering a new abstraction layer to optimize the HEP analysis process. IEEE Transactions on Nuclear Science, 2004, 51, 1441-1448.	1.2	1
46	Predicting and Preventing Dangerous Events via Video Surveillance Using a Robotic Platform. , 2019, , .		1
47	Ordering Selection Operators Under Partial Ignorance. , 2015, , .		1
48	High-Level Automatic Event Detection and User Classification in a Social Network Context. Lecture Notes in Computer Science, 2019, , 203-219.	1.0	1
49	On the Termination Problem for Declarative XML Message Processing. Lecture Notes in Computer Science, 2009, , 83-97.	1.0	0
50	A Comparative Case Study of Indonesian and UK Organisational Culture Differences in IS Project Management. International Journal of Technology and Human Interaction, 2011, 7, 28-37.	0.3	0