Sven Groppe

List of Publications by Year
in descending order

78 papers	430 citations	1307594 7 h-index	1281871 11 g-index
81 all docs	81 docs citations	81 times ranked	239 citing authors

#	Article	IF	Citations
1	Enhancing data quality and process optimization for smart manufacturing lines in industry 4.0 scenarios. , 2022, , .		5
2	A Platform for Interactive Data Science with Apache Spark for On-premises Infrastructure. , 2021, , .		0
3	Optimizing Transaction Schedules on Universal Quantum Computers via Code Generation for Groverâ€™s Search Algorithm. , 2021, , .		9
4	Special issue on the technologies and applications of big data. Wireless Networks, 2021, 27, 5425-5428.	3.0	0
5	Artificial Intelligence in Global Epidemics, Part 1. New Generation Computing, 2021, 39, 483-485.	3.3	3
6	Emergent models, frameworks, and hardware technologies for Big data analytics. Journal of Supercomputing, 2020, 76, 1800-1827.	3.6	10
7	Hardware-aided update acceleration in a hybrid Semantic Web database system. Journal of Supercomputing, 2020, 76, 7961-7984.	3.6	2
8	Avoiding blocking by scheduling transactions using quantum annealing. , 2020, , .		8
9	Hybrid Multi-model Multi-platform (HM3P) Databases. , 2020, , .		7
10	Editorial: Mobile Networks in the Era of Big Data. Mobile Networks and Applications, 2019, 24, 1135-1138.	3.3	1
11	Emerging Solutions in Big Data and Cloud Technologies for Mobile Networks. Mobile Networks and Applications, 2019, 24, 1015-1017.	3.3	2
12	Hardware-Accelerated Index Construction for Semantic Web. , 2018, , .		0
13	Search & Update Optimization of a B $$^+$$ Tree in a Hardware Aided Semantic Web Database System. Lecture Notes in Electrical Engineering, 2018, , 172-182.	0.4	1
14	Semi-static operator graphs for accelerated query execution on FPGAs. Microprocessors and Microsystems, 2017, 53, 178-189.	2.8	3
15	Hardware-Accelerated Radix-Tree Based String Sorting for Big Data Applications. Lecture Notes in Computer Science, 2017, , 47-58.	1.3	3
16	Accelerated join evaluation in Semantic Web databases by using FPGAs. Concurrency Computation Practice and Experience, 2016, 28, 2031-2051.	2.2	6
17	An optimized radix-tree for hardware-accelerated dictionary generation for semantic web databases. , 2015, , .		5
18	An architectural template for composing application specific datapaths at runtime. , 2015, , .		1

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19	Automated composition and execution of hardware-accelerated operator graphs. , 2015, , .		4
20	Hybrid FPGA approach for a B⁺ tree in a Semantic Web database system. , 2015, , .		7
21	Identifying homogenous reconfigurable regions in heterogeneous FPGAs for module relocation. , 2014, , .		5
22	Parallel and Pipelined Filter Operator for Hardware-Accelerated Operator Graphs in Semantic Web Databases. , 2014, , .		9
23	Eliminating the XML overhead in embedded XML languages. , 2013, , .		0
24	A P2P Semantic Query Framework for the Internet of Things. PIK - Praxis Der Informationsverarbeitung Und Kommunikation, 2013, 36, .	0.2	15
25	Hardware-accelerated join processing in large Semantic Web databases with FPGAs. , 2013, , .		18
26	Semantic Models for Scalable Search in the Internet of Things. Journal of Sensor and Actuator Networks, 2013, 2, 172-195.	3.9	18
27	Monitoring eBay auctions by querying RDF streams. , 2011, , .		0
28	Analysis and comparison of concurrency control protocols for wireless sensor networks. , 2011, , .		1
29	Accelerating large semantic web databases by parallel join computations of SPARQL queries. ACM SIGAPP Applied Computing Review: A Publication of the Special Interest Group on Applied Computing, 2011, 11, 60-70.	0.9	2
30	Transforming XSLT stylesheets into XQuery expressions and vice versa. Computer Languages, Systems and Structures, 2011, 37, 76-111.	1.4	5
31	Visual query system for analyzing social semantic web. , 2011, , .		13
32	Parallelizing join computations of SPARQL queries for large semantic web databases. , 2011, , .		16
33	Adaptive Service Migration in Wireless Sensor Networks. , 2011, , .		0
34	Data Management and Query Processing in Semantic Web Databases. , 2011, , .		30
35	Logical Optimization. , 2011, , 79-102.		0
36	Comparison of the XML and Semantic Web Worlds. , 2011, , 219-250.		0

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37	Query Processing Overview. , 2011, , 67-78.		0
38	Semantic Web. , 2011, , 7-34.		0
39	Embedded Languages. , 2011, , 203-217.		0
40	Physical Optimization. , 2011, , 103-153.		0
41	Visual Query Languages. , 2011, , 191-201.		0
42	External Sorting and B+-Trees. , 2011, , 35-65.		0
43	Inference. , 2011, , 177-189.		0
44	Parallel Databases. , 2011, , 163-175.		0
45	Streams. , 2011, , 155-162.		0
46	Efficient XML data and query integration in the wireless sensor network engineering process. International Journal of Web Information Systems, 2010, 6, 319-358.	2.4	3
47	DACS: A dynamic approximative caching scheme for Wireless Sensor Networks. , 2010, , .		2
48	External sorting for index construction of large semantic web databases. , 2010, , .		6
49	Analysis and Comparison of Atomic Commit Protocols for Adaptive Usage in Wireless Sensor Networks. , 2010, , .		5
50	Stream-Based XML Template Compression for Wireless Sensor Network Data Management. , 2010, , .		1
51	SWOBE - embedding the semantic web languages RDF, SPARQL and SPARUL into java for guaranteeing type safety, for checking the satisfiability of queries and for the determination of query result types. , 2009, , .		4
52	LuposDate. , 2009, , .		17
53	Integrating standardized transaction protocols in service-oriented wireless sensor networks. , 2009, , .		7
54	Towards energy efficient XPath evaluation in wireless sensor networks. , 2009, , .		3

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55	Efficient processing of SPARQL joins in memory by dynamically restricting triple patterns. , 2009, , .		13
56	Result Merging Technique for Answering XPath Query over XSLT Transformed Data. IEEE Transactions on Knowledge and Data Engineering, 2009, 21, 1328-1342.	5.7	0
57	Optimizing the execution of XSLT stylesheets for querying transformed XML data. Knowledge and Information Systems, 2009, 18, 331-391.	3.2	6
58	Bringing the XML and Semantic Web Worlds Closer: Transforming XML into RDF and Embedding XPath into SPARQL. Lecture Notes in Business Information Processing, 2009, , 31-45.	1.0	7
59	XML data management and XPath evaluation in wireless sensor networks. , 2009, , .		4
60	Shifting Predicates to Inner Sub-expressions for XQuery Optimization. Lecture Notes in Computer Science, 2009, , 67-79.	1.3	1
61	Filtering unsatisfiable XPath queries. Data and Knowledge Engineering, 2008, 64, 134-169.	3.4	12
62	Simplifying XPath queries for optimization with regard to the elimination of intersect and except operators. Data and Knowledge Engineering, 2008, 65, 198-222.	3.4	1
63	Output schemas of XSLT stylesheets and their applications. Information Sciences, 2008, 178, 3989-4018.	6.9	7
64	Xobe <inf>Sensor Networks</inf>: Integrating XML in sensor network programming. , 2008, , .		5
65	Embedding SPARQL into XQuery/XSLT. , 2008, , .		26
66	DySSCo - A Protocol for Dynamic Self-Organizing Service Coverage. Lecture Notes in Computer Science, 2008, , 109-120.	1.3	7
67	Efficient XML Usage within Wireless Sensor Networks. , 2008, , .		10
68	A SPARQL Engine for Streaming RDF Data. , 2007, , .		22
69	How to Determine Output Schemas of XQuery Queries. , 2007, , .		1
70	Translating XPath Queries into SPARQL Queries. , 2007, , 9-10.		9
71	Incremental Validation of String-Based XML Data in Databases, File Systems, and Streams. Lecture Notes in Computer Science, 2007, , 314-329.	1.3	0
72	Optimization of Bounded Continuous Search Queries Based on Ranking Distributions. , 2007, , 26-37.		1

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73	Reformulating XPath queries and XSLT queries on XSLT views. Data and Knowledge Engineering, 2006, 57, 64-110.	3.4	10
74	Satisfiability-Test, Rewriting and Refinement of Usersâ€™ XPath Queries According to XML Schema Definitions. Lecture Notes in Computer Science, 2006, , 22-38.	1.3	9
75	A Prototype of a Schema-Based XPath Satisfiability Tester. Lecture Notes in Computer Science, 2006, , 93-103.	1.3	9
76	A Prototype for Translating XQuery Expressions into XSLT Stylesheets. Lecture Notes in Computer Science, 2005, , 238-253.	1.3	4
77	XPath query transformation based on XSLT stylesheets. , 2003, , .		9
78	XSLT. , 0, , 108-135.		0