

Thilo Kielmann

List of Publications by Year in descending order

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Version: 2024-02-01

41
papers

1,221
citations

623734

14
h-index

552781

26
g-index

42
all docs

42
docs citations

42
times ranked

642
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | MemEFS: A network-aware elastic in-memory runtime distributed file system. Future Generation Computer Systems, 2018, 82, 631-646. | 7.5 | 4 |
| 2 | Overcoming data locality: An in-memory runtime file system with symmetrical data distribution. Future Generation Computer Systems, 2016, 54, 144-158. | 7.5 | 7 |
| 3 | MemEFS: An Elastic In-memory Runtime File System for eScience Applications. , 2015, , . | | 5 |
| 4 | E-BaTS: Energy-Aware Scheduling for Bag-of-Task Applications in HPC Clusters. Parallel Processing Letters, 2015, 25, 1541005. | 0.6 | 2 |
| 5 | Fast Pareto Front Approximation for Cloud Instance Pool Optimization. , 2015, , . | | 1 |
| 6 | Scalable In-Memory Computing. , 2015, , . | | 5 |
| 7 | POSTER: MemFS: An in-memory runtime file system with symmetrical data distribution. , 2014, , . | | 6 |
| 8 | Fast (re-)configuration of mixed on-demand and spot instance pools for high-throughput computing. , 2013, , . | | 12 |
| 9 | Stochastic Tail-Phase Optimization for Bag-of-Tasks Execution in Clouds. , 2012, , . | | 22 |
| 10 | Collective Receiver-Initiated Multicast for Grid Applications. IEEE Transactions on Parallel and Distributed Systems, 2011, 22, 231-244. | 5.6 | 12 |
| 11 | BUDGET ESTIMATION AND CONTROL FOR BAG-OF-TASKS SCHEDULING IN CLOUDS. Parallel Processing Letters, 2011, 21, 219-243. | 0.6 | 33 |
| 12 | Real-World Distributed Computer with Ibis. Computer, 2010, 43, 54-62. | 1.1 | 28 |
| 13 | Dynamic Load-Balanced Multicast for Data-Intensive Applications on Clouds. , 2010, , . | | 20 |
| 14 | Bag-of-Tasks Scheduling under Budget Constraints. , 2010, , . | | 93 |
| 15 | Optimizing Deadline-Driven Bulk Data Transfers in Overlay Networks. , 2009, , . | | 4 |
| 16 | The HPC basic profile and SAGA: standardizing compute grid access in the open grid forum. Concurrency Computation Practice and Experience, 2009, 21, 1053-1068. | 2.2 | 3 |
| 17 | MOB. , 2007, , . | | 7 |
| 18 | Grid Applications: From Early Adopters to Mainstream Users. Journal of Grid Computing, 2006, 4, 133-134. | 3.9 | 3 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Middleware adaptation with the Delphoi service. Concurrency Computation Practice and Experience, 2006, 18, 1659-1679. | 2.2 | 10 |
| 20 | Ibis: a flexible and efficient Java-based Grid programming environment. Concurrency Computation Practice and Experience, 2005, 17, 1079-1107. | 2.2 | 127 |
| 21 | CCJ: object-based message passing and collective communication in Java. Concurrency Computation Practice and Experience, 2003, 15, 341-369. | 2.2 | 14 |
| 22 | Programming environments for high-performance Grid computing: the Albatross project. Future Generation Computer Systems, 2002, 18, 1113-1125. | 7.5 | 17 |
| 23 | TopoMon: A Monitoring Tool for Grid Network Topology. Lecture Notes in Computer Science, 2002, , 558-567. | 1.3 | 27 |
| 24 | Sensitivity of parallel applications to large differences in bandwidth and latency in two-layer interconnects. Future Generation Computer Systems, 2001, 17, 769-782. | 7.5 | 40 |
| 25 | Network performance-aware collective communication for clustered wide-area systems. Parallel Computing, 2001, 27, 1431-1456. | 2.1 | 63 |
| 26 | Parallel application experience with replicated method invocation. Concurrency Computation Practice and Experience, 2001, 13, 681-712. | 2.2 | 18 |
| 27 | Efficient load balancing for wide-area divide-and-conquer applications. ACM SIGPLAN Notices, 2001, 36, 34-43. | 0.2 | 24 |
| 28 | Enabling Java for high-performance computing. Communications of the ACM, 2001, 44, 110-117. | 4.5 | 15 |
| 29 | Object-based collective communication in Java. , 2001, , . | | 15 |
| 30 | Efficient load balancing for wide-area divide-and-conquer applications. , 2001, , . | | 67 |
| 31 | The distributed ASCI Supercomputer project. Operating Systems Review (ACM), 2000, 34, 76-96. | 1.9 | 80 |
| 32 | Wide-area parallel programming using the remote method invocation model. Concurrency and Computation: Practice and Experience, 2000, 12, 643-666. | 0.5 | 26 |
| 33 | A comparative study of online scheduling algorithms for networks of workstations. Cluster Computing, 2000, 3, 95-112. | 5.0 | 24 |
| 34 | Fast Measurement of LogP Parameters for Message Passing Platforms. Lecture Notes in Computer Science, 2000, , 1176-1183. | 1.3 | 88 |
| 35 | COORDINATION MODELS AND LANGUAGES FOR PARALLEL PROGRAMMING. , 2000, , . | | 2 |
| 36 | Efficient replicated method invocation in Java. , 2000, , . | | 19 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 37 | MagPle., 1999, , . | | 162 |
| 38 | Wire-area parallel computing in Java. , 1999, , . | | 16 |
| 39 | MagPle. ACM SIGPLAN Notices, 1999, 34, 131-140. | 0.2 | 68 |
| 40 | Behaviour specification of parallel active objects. Parallel Computing, 1998, 24, 1107-1135. | 2.1 | 5 |
| 41 | Coordination patterns for parallel computing. Lecture Notes in Computer Science, 1997, , 414-417. | 1.3 | 5 |