Thilo Kielmann

List of Publications by Year
in descending order

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	MagPIe. , 1999, , .		162
2	Ibis: a flexible and efficient Java-based Grid programming environment. Concurrency Computation Practice and Experience, 2005, 17, 1079-1107.	2.2	127
3	Bag-of-Tasks Scheduling under Budget Constraints. , 2010, , .		93
4	Fast Measurement of LogP Parameters for Message Passing Platforms. Lecture Notes in Computer Science, 2000, , 1176-1183.	1.3	88
5	The distributed ASCI Supercomputer project. Operating Systems Review (ACM), 2000, 34, 76-96.	1.9	80
6	MagPIe. ACM SIGPLAN Notices, 1999, 34, 131-140.	0.2	68
7	Efficient load balancing for wide-area divide-and-conquer applications. , 2001, , .		67
8	Network performance-aware collective communication for clustered wide-area systems. Parallel Computing, 2001, 27, 1431-1456.	2.1	63
9	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
10	BUDGET ESTIMATION AND CONTROL FOR BAG-OF-TASKS SCHEDULING IN CLOUDS. Parallel Processing Letters, 2011, 21, 219-243.	0.6	33
11	Real-World Distributed Computer with Ibis. Computer, 2010, 43, 54-62.	1.1	28
12	TopoMon: A Monitoring Tool for Grid Network Topology. Lecture Notes in Computer Science, 2002, , 558-567.	1.3	27
13	Wide-area parallel programming using the remote method invocation model. Concurrency and Computation: Practice and Experience, 2000, 12, 643-666.	0.5	26
14	A comparative study of online scheduling algorithms for networks of workstations. Cluster Computing, 2000, 3, 95-112.	5.0	24
15	Efficient load balancing for wide-area divide-and-conquer applications. ACM SIGPLAN Notices, 2001, 36, 34-43.	0.2	24
16	Stochastic Tail-Phase Optimization for Bag-of-Tasks Execution in Clouds. , 2012, , .		22
17	Dynamic Load-Balanced Multicast for Data-Intensive Applications on Clouds. , 2010, , .		20
18	Efficient replicated method invocation in Java. , 2000, , .		19

#	ARTICLE	IF	CITATIONS
19	Parallel application experience with replicated method invocation. Concurrency Computation Practice and Experience, 2001, 13, 681-712.	2.2	18
20	Programming environments for high-performance Grid computing: the Albatross project. Future Generation Computer Systems, 2002, 18, 1113-1125.	7.5	17
21	Wire-area parallel computing in Java. , 1999, , .		16
22	Enabling Java for high-performance computing. Communications of the ACM, 2001, 44, 110-117.	4.5	15
23	Object-based collective communication in Java. , 2001, , .		15
24	CCJ: object-based message passing and collective communication in Java. Concurrency Computation Practice and Experience, 2003, 15, 341-369.	2.2	14
25	Collective Receiver-Initiated Multicast for Grid Applications. IEEE Transactions on Parallel and Distributed Systems, 2011, 22, 231-244.	5.6	12
26	Fast (re-)configuration of mixed on-demand and spot instance pools for high-throughput computing. , 2013, , .		12
27	Middleware adaptation with the Delphoi service. Concurrency Computation Practice and Experience, 2006, 18, 1659-1679.	2.2	10
28	MOB. , 2007, , .		7
29	Overcoming data locality: An in-memory runtime file system with symmetrical data distribution. Future Generation Computer Systems, 2016, 54, 144-158.	7.5	7
30	POSTER: MemFS: An in-memory runtime file system with symmetrical data distribution. , 2014, , .		6
31	Behaviour specification of parallel active objects. Parallel Computing, 1998, 24, 1107-1135.	2.1	5
32	MemEFS: An Elastic In-memory Runtime File System for eScience Applications. , 2015, , .		5
33	Scalable In-Memory Computing. , 2015, , .		5
34	Coordination patterns for parallel computing. Lecture Notes in Computer Science, 1997, , 414-417.	1.3	5
35	Optimizing Deadline-Driven Bulk Data Transfers in Overlay Networks. , 2009, , .		4
36	MemEFS: A network-aware elastic in-memory runtime distributed file system. Future Generation Computer Systems, 2018, 82, 631-646.	7.5	4

#	Article	IF	Citations
37	Grid Applications: From Early Adopters to Mainstream Users. Journal of Grid Computing, 2006, 4, 133-134.	3.9	3
38	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
39	COORDINATION MODELS AND LANGUAGES FOR PARALLEL PROGRAMMING. , 2000, , .		2
40	E-BaTS: Energy-Aware Scheduling for Bag-of-Task Applications in HPC Clusters. Parallel Processing Letters, 2015, 25, 1541005.	0.6	2
41	Fast Pareto Front Approximation for Cloud Instance Pool Optimization. , 2015, , .		1