

Minyi Guo

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

190
papers

3,143
citations

28
h-index

50
g-index

238
ext. papers

4,317
ext. citations

3.1
avg. IF

5.72
L-index

#	Paper	IF	Citations
190	Performance optimization for cloud computing systems in the microservice era: state-of-the-art and research opportunities. <i>Frontiers of Computer Science</i> , 2022 , 16, 1	2.2	0
189	PeerProbe: Estimating Vehicular Neighbor Distribution With Adaptive Compressive Sensing. <i>IEEE/ACM Transactions on Networking</i> , 2022 , 1-14	3.8	0
188	Online Thread Auto-Tuning for Performance Improvement and Resource Saving. <i>IEEE Transactions on Parallel and Distributed Systems</i> , 2022 , 1-1	3.7	
187	Adaptive Resource Efficient Microservice Deployment in Cloud-Edge Continuum. <i>IEEE Transactions on Parallel and Distributed Systems</i> , 2021 , 1-1	3.7	2
186	Tapping into NFV Environment for Opportunistic Serverless Edge Function Deployment. <i>IEEE Transactions on Computers</i> , 2021 , 1-1	2.5	1
185	AlphaR: Learning-Powered Resource Management for Irregular, Dynamic Microservice Graph 2021 ,		4
184	Petrel: Heterogeneity-Aware Distributed Deep Learning Via Hybrid Synchronization. <i>IEEE Transactions on Parallel and Distributed Systems</i> , 2021 , 32, 1030-1043	3.7	8
183	E2bird: Enhanced Elastic Batch for Improving Responsiveness and Throughput of Deep Learning Services. <i>IEEE Transactions on Parallel and Distributed Systems</i> , 2021 , 32, 1307-1321	3.7	4
182	Falcon: Addressing Stragglers in Heterogeneous Parameter Server Via Multiple Parallelism. <i>IEEE Transactions on Computers</i> , 2021 , 70, 139-155	2.5	14
181	. <i>IEEE Transactions on Parallel and Distributed Systems</i> , 2021 , 32, 441-456	3.7	3
180	Towards QoS-awareness and Improved Utilization of Spatial Multitasking GPUs. <i>IEEE Transactions on Computers</i> , 2021 , 1-1	2.5	3
179	Embedding-based Similarity Computation for Massive Vehicle Trajectory Data. <i>IEEE Internet of Things Journal</i> , 2021 , 1-1	10.7	1
178	A dynamic network traffic classifier using supervised ML for a Docker-based SDN network. <i>Connection Science</i> , 2021 , 33, 693-718	2.8	3
177	Preference-aware Edge Server Placement in the Internet of Things. <i>IEEE Internet of Things Journal</i> , 2021 , 1-1	10.7	3
176	Survey and design of paleozoic: a high-performance compiler tool chain for deep learning inference accelerator. <i>CCF Transactions on High Performance Computing</i> , 2020 , 2, 332-347	0.7	0
175	Asymmetric Resilience: Exploiting Task-Level Idempotency for Transient Error Recovery in Accelerator-Based Systems 2020 ,		4
174	Architectural Implications of Graph Neural Networks. <i>IEEE Computer Architecture Letters</i> , 2020 , 1-1	1.8	0

173	. <i>IEEE Transactions on Computers</i> , 2020 , 69, 679-698	2.5	1
172	Flexible Aggregate Nearest Neighbor Queries and its Keyword-Aware Variant on Road Networks. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2020 , 1-1	4.2	3
171	eXnet: An Efficient Approach for Emotion Recognition in the Wild. <i>Sensors</i> , 2020 , 20,	3.8	17
170	A Cyclic Game for Service-Oriented Resource Allocation in Edge Computing. <i>IEEE Transactions on Services Computing</i> , 2020 , 13, 723-734	4.8	4
169	Probabilistic robust regression with adaptive weights in a case study on face recognition. <i>Frontiers of Computer Science</i> , 2020 , 14, 1	2.2	1
168	CODA: Improving Resource Utilization by Slimming and Co-locating DNN and CPU Jobs 2020 ,		2
167	ANT-Man: Towards Agile Power Management in the Microservice Era 2020 ,		3
166	URSA: Precise Capacity Planning and Fair Scheduling based on Low-level Statistics for Public Clouds 2020 ,		5
165	Learning Graph Representation With Generative Adversarial Nets. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2020 , 1-1	4.2	13
164	Joint Topic-Semantic-aware Social Matrix Factorization for online voting recommendation. <i>Knowledge-Based Systems</i> , 2020 , 210, 106433	7.3	1
163	EC-Fusion: An Efficient Hybrid Erasure Coding Framework to Improve Both Application and Recovery Performance in Cloud Storage Systems 2020 ,		2
162	Amoeba: QoS-Awareness and Reduced Resource Usage of Microservices with Serverless Computing 2020 ,		7
161	Balancing Efficiency and Flexibility for DNN Acceleration via Temporal GPU-Systolic Array Integration 2020 ,		4
160	Sturgeon: Preference-aware Co-location for Improving Utilization of Power Constrained Computers 2020 ,		1
159	Integrated Power Anomaly Defense: Towards Oversubscription-Safe Data Centers. <i>IEEE Transactions on Cloud Computing</i> , 2020 , 1-1	3.3	
158	. <i>IEEE Transactions on Mobile Computing</i> , 2020 , 1-1	4.6	
157	. <i>IEEE Transactions on Services Computing</i> , 2020 , 13, 1100-1114	4.8	16
156	. <i>IEEE Transactions on Services Computing</i> , 2020 , 13, 915-929	4.8	5

155	. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2020 , 32, 2467-2480	4.2	0
154	Approximate Code 2019 ,		5
153	When Power Oversubscription Meets Traffic Flood Attack 2019 ,		1
152	Knowledge Graph Convolutional Networks for Recommender Systems 2019 ,		178
151	A Comprehensive Survey of Blockchain: From Theory to IoT Applications and Beyond. <i>IEEE Internet of Things Journal</i> , 2019 , 6, 8114-8154	10.7	103
150	CATIRI: An Efficient Method for Content-and-Text Based Image Retrieval. <i>Journal of Computer Science and Technology</i> , 2019 , 34, 287-304	1.7	2
149	Personalized Exposure Control Using Adaptive Metering and Reinforcement Learning. <i>IEEE Transactions on Visualization and Computer Graphics</i> , 2019 , 25, 2953-2968	4	3
148	CongraPlus: Towards Efficient Processing of Concurrent Graph Queries on NUMA Machines. <i>IEEE Transactions on Parallel and Distributed Systems</i> , 2019 , 30, 1990-2002	3.7	2
147	Unleashing the Scalability Potential of Power-Constrained Data Center in the Microservice Era 2019 ,		4
146	. <i>IEEE Transactions on Computers</i> , 2019 , 68, 1584-1596	2.5	2
145	Avalon 2019 ,		8
144	Laius 2019 ,		8
143	Themis: Predicting and Reining in Application-Level Slowdown on Spatial Multitasking GPUs 2019 ,		8
142	Optimizing the Parity Check Matrix for Efficient Decoding of RS-Based Cloud Storage Systems 2019 ,		5
141	SprintCon: Controllable and Efficient Computational Sprinting for Data Center Servers 2019 ,		1
140	Characterizing and Balancing the Workloads of Semi-Containerized Clouds 2019 ,		1
139	2019 ,		10
138	PAM: an efficient power-aware multilevel cache policy to reduce energy consumption of storage systems. <i>Frontiers of Computer Science</i> , 2019 , 13, 850-863	2.2	2

137	Making Big Data Open in Edges: A Resource-Efficient Blockchain-Based Approach. <i>IEEE Transactions on Parallel and Distributed Systems</i> , 2019 , 30, 870-882	3.7	127
136	Improving Power Efficiency for Online Video Streaming Service: A Self-Adaptive Approach. <i>IEEE Transactions on Sustainable Computing</i> , 2019 , 4, 308-313	3.5	2
135	. <i>IEEE Transactions on Cloud Computing</i> , 2018 , 6, 915-928	3.3	33
134	SHINE 2018 ,		130
133	Contention and Locality-Aware Work-Stealing for Iterative Applications in Multi-Socket Computers. <i>IEEE Transactions on Computers</i> , 2018 , 67, 784-798	2.5	7
132	Power consumption analysis of video streaming in 4G LTE networks. <i>Wireless Networks</i> , 2018 , 24, 3083-3098	3.0	6
131	KSM: Online Application-Level Performance Slowdown Prediction for Spatial Multitasking GPGPU. <i>IEEE Computer Architecture Letters</i> , 2018 , 17, 187-191	1.8	5
130	DCF: A Dataflow-Based Collaborative Filtering Training Algorithm. <i>International Journal of Parallel Programming</i> , 2018 , 46, 686-698	1.5	
129	Toward multi-programmed workloads with different memory footprints: a self-adaptive last level cache scheduling scheme. <i>Science China Information Sciences</i> , 2018 , 61, 1	3.4	1
128	Optimizing power consumption of mobile devices for video streaming over 4G LTE networks. <i>Peer-to-Peer Networking and Applications</i> , 2018 , 11, 1101-1114	3.1	10
127	Power Grab in Aggressively Provisioned Data Centers: What is the Risk and What Can Be Done About It 2018 ,		9
126	Flexible Aggregate Nearest Neighbor Queries in Road Networks 2018 ,		16
125	HSCS: a hybrid shared cache scheduling scheme for multiprogrammed workloads. <i>Frontiers of Computer Science</i> , 2018 , 12, 1090-1104	2.2	5
124	RippleNet 2018 ,		250
123	GraphLoc: a graph-based method for indoor subarea localization with zero-configuration. <i>Personal and Ubiquitous Computing</i> , 2017 , 21, 489-505	2.1	9
122	Favorable Block First: A Comprehensive Cache Scheme to Accelerate Partial Stripe Recovery of Triple Disk Failure Tolerant Arrays 2017 ,		3
121	Preemption-Aware Kernel Scheduling for GPUs 2017 ,		1
120	MELODY: A Long-Term Dynamic Quality-Aware Incentive Mechanism for Crowdsourcing 2017 ,		12

119	Prophet. <i>Operating Systems Review (ACM)</i> , 2017 , 51, 17-32	0.8	9
118	Reinforcement learning-based adaptive resource management of differentiated services in geo-distributed data centers 2017 ,		8
117	Quality of Service Support for Fine-Grained Sharing on GPUs 2017 ,		18
116	Delay-Minimized Routing in Mobile Cognitive Networks for Time-Critical Applications. <i>IEEE Transactions on Industrial Informatics</i> , 2017 , 13, 1398-1409	11.9	24
115	Efficient Trustworthiness Management for Malicious User Detection in Big Data Collection. <i>IEEE Transactions on Big Data</i> , 2017 , 1-1	3.2	12
114	MapReduce for Cloud Computing 2017 , 173-198		2
113	Prophet 2017 ,		42
112	Prophet. <i>Computer Architecture News</i> , 2017 , 45, 17-32		4
111	Quality of Service Support for Fine-Grained Sharing on GPUs. <i>Computer Architecture News</i> , 2017 , 45, 269-281		5
110	Rank-Aware Dynamic Migrations and Adaptive Demotions for DRAM Power Management. <i>IEEE Transactions on Computers</i> , 2016 , 65, 187-202	2.5	8
109	Long-term location privacy protection for location-based services in mobile cloud computing. <i>Soft Computing</i> , 2016 , 20, 1735-1747	3.5	18
108	A Feasible IP Traceback Framework through Dynamic Deterministic Packet Marking. <i>IEEE Transactions on Computers</i> , 2016 , 65, 1418-1427	2.5	36
107	A context-aware search system for Internet of Things based on hierarchical context model. <i>Telecommunication Systems</i> , 2016 , 62, 77-91	2.3	34
106	Mobile Target Detection in Wireless Sensor Networks With Adjustable Sensing Frequency. <i>IEEE Systems Journal</i> , 2016 , 10, 1160-1171	4.3	69
105	Mobility Prediction Based Joint Stable Routing and Channel Assignment for Mobile Ad Hoc Cognitive Networks. <i>IEEE Transactions on Parallel and Distributed Systems</i> , 2016 , 27, 789-802	3.7	29
104	How video streaming consumes power in 4G LTE networks 2016 ,		1
103	SMe: explicit & implicit constrained-space probabilistic threshold range queries for moving objects. <i>GeoInformatica</i> , 2016 , 20, 19-58	2.5	6
102	Adaptive demand-aware work-stealing in multi-programmed multi-core architectures. <i>Concurrency Computation Practice and Experience</i> , 2016 , 28, 455-471	1.4	4

101	. <i>IEEE Systems Journal</i> , 2016 , 10, 1226-1235	4.3	133
100	Joint Optimization of Lifetime and Transport Delay under Reliability Constraint Wireless Sensor Networks. <i>IEEE Transactions on Parallel and Distributed Systems</i> , 2016 , 27, 225-236	3.7	108
99	On Traffic-Aware Partition and Aggregation in MapReduce for Big Data Applications. <i>IEEE Transactions on Parallel and Distributed Systems</i> , 2016 , 27, 818-828	3.7	24
98	HyperspaceFlow: A System-Level Design Methodology for Smart Space. <i>IEEE Transactions on Emerging Topics in Computing</i> , 2016 , 4, 568-583	4.1	8
97	Pricing and Repurchasing for Big Data Processing in Multi-Clouds. <i>IEEE Transactions on Emerging Topics in Computing</i> , 2016 , 4, 266-277	4.1	40
96	LSCD: A Low-Storage Clone Detection Protocol for Cyber-Physical Systems. <i>IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems</i> , 2016 , 35, 712-723	2.5	84
95	Simultaneous Multikernel: Fine-Grained Sharing of GPUs. <i>IEEE Computer Architecture Letters</i> , 2016 , 15, 113-116	1.8	15
94	Online Credit Card Fraud Detection: A Hybrid Framework with Big Data Technologies 2016 ,		11
93	Zero-Chunk: An Efficient Cache Algorithm to Accelerate the I/O Processing of Data Deduplication 2016 ,		1
92	Simultaneous Multikernel GPU: Multi-tasking throughput processors via fine-grained sharing 2016 ,		74
91	Power Attack Defense: Securing Battery-Backed Data Centers 2016 ,		10
90	Locality-Aware Work Stealing Based on Online Profiling and Auto-Tuning for Multisocket Multicore Architectures. <i>Transactions on Architecture and Code Optimization</i> , 2015 , 12, 1-24	1.3	3
89	Scalable Multicore k-NN Search via Subspace Clustering for Filtering. <i>IEEE Transactions on Parallel and Distributed Systems</i> , 2015 , 26, 3449-3460	3.7	7
88	Efficient Selection Algorithm for Fast k-NN Search on GPUs 2015 ,		8
87	TIP-Code: A Three Independent Parity Code to Tolerate Triple Disk Failures with Optimal Update Complexitiy 2015 ,		18
86	Cowic: A Column-Wise Independent Compression for Log Stream Analysis 2015 ,		6
85	Synergy of Dynamic Frequency Scaling and Demotion on DRAM Power Management: Models and Optimizations. <i>IEEE Transactions on Computers</i> , 2015 , 64, 2367-2381	2.5	4
84	Parallelism vs. speculation 2015 ,		1

83	OFScheduler: A Dynamic Network Optimizer for MapReduce in Heterogeneous Cluster. <i>International Journal of Parallel Programming</i> , 2015 , 43, 472-488	1.5	16
82	Secrecy Capacity Optimization via Cooperative Relaying and Jamming for WANETs. <i>IEEE Transactions on Parallel and Distributed Systems</i> , 2015 , 26, 1117-1128	3.7	48
81	Code 5-6: An Efficient MDS Array Coding Scheme to Accelerate Online RAID Level Migration 2015 ,		3
80	Joint channel assignment, stable routing and adaptive power control in mobile cognitive networks 2015 ,		2
79	BPS: A Balanced Partial Stripe Write Scheme to Improve the Write Performance of RAID-6 2015 ,		2
78	Adaptive workload-aware task scheduling for single-ISA asymmetric multicore architectures. <i>Transactions on Architecture and Code Optimization</i> , 2014 , 11, 1-25	1.3	58
77	Quantitative analysis of MTTF of composite web services 2014 , 37, 506-516		2
76	LSShare: an efficient multiple query optimization system in the cloud. <i>Distributed and Parallel Databases</i> , 2014 , 32, 583-605	0.9	5
75	Architecture-based design and optimization of genetic algorithms on multi- and many-core systems. <i>Future Generation Computer Systems</i> , 2014 , 38, 75-91	7.5	19
74	HFA: A Hint Frequency-based approach to enhance the I/O performance of multi-level cache storage systems 2014 ,		4
73	EEWA: Energy-Efficient Workload-Aware Task Scheduling in Multi-core Architectures 2014 ,		9
72	On the Multicast Lifetime of WANETs with Multibeam Antennas: Formulation, Algorithms, and Analysis. <i>IEEE Transactions on Computers</i> , 2014 , 63, 1988-2001	2.5	6
71	Loop Transforming for Reducing Data Alignment on Multi-Core SIMD Processors. <i>Journal of Signal Processing Systems</i> , 2014 , 74, 137-150	1.4	
70	Survey on context-awareness in ubiquitous media. <i>Multimedia Tools and Applications</i> , 2013 , 67, 179-211	2.5	45
69	HAT: history-based auto-tuning MapReduce in heterogeneous environments. <i>Journal of Supercomputing</i> , 2013 , 64, 1038-1054	2.5	17
68	New acoustic monitoring method using cross-correlation of primary frequency spectrum. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2013 , 4, 293-301	3.7	5
67	Tag-based personalized image ranking in event browsing. <i>Peer-to-Peer Networking and Applications</i> , 2013 , 6, 434-444	3.1	
66	Semi-sparse algorithm based on multi-layer optimization for recommender system. <i>Journal of Supercomputing</i> , 2013 , 66, 1418-1437	2.5	2

65	Decentralized checking of context inconsistency in pervasive computing environments. <i>Journal of Supercomputing</i> , 2013 , 64, 256-273	2.5	7
64	ShmStreaming: A Shared Memory Approach for Improving Hadoop Streaming Performance 2013 ,		4
63	Adaptive Cache Aware Bitier Work-Stealing in Multisocket Multicore Architectures. <i>IEEE Transactions on Parallel and Distributed Systems</i> , 2013 , 24, 2334-2343	3.7	15
62	Performance Bottlenecks in Manycore Systems: A Case Study on Large Scale Feature Matching within Image Collections 2013 ,		3
61	Hybrid CPU Management for Adapting to the Diversity of Virtual Machines. <i>IEEE Transactions on Computers</i> , 2013 , 62, 1332-1344	2.5	3
60	Performance Tuning on Multicore Systems for Feature Matching within Image Collections 2013 ,		1
59	LABERIO: Dynamic load-balanced Routing in OpenFlow-enabled Networks 2013 ,		13
58	Communication-free data alignment for arrays with exponential references in parallelizing compilers for scalable parallel systems. <i>Journal of Supercomputing</i> , 2012 , 60, 4-30	2.5	2
57	Optimally Maximizing Iteration-Level Loop Parallelism. <i>IEEE Transactions on Parallel and Distributed Systems</i> , 2012 , 23, 564-572	3.7	8
56	WATS: Workload-Aware Task Scheduling in Asymmetric Multi-core Architectures 2012 ,		21
55	DirectedPush - A High Performance Peer-to-Peer Live Streaming System Using Network Coding 2012 ,		1
54	Adaptive Forwarding Delay Control for VANET Data Aggregation. <i>IEEE Transactions on Parallel and Distributed Systems</i> , 2012 , 23, 11-18	3.7	32
53	Manhattan hashing for large-scale image retrieval 2012 ,		59
52	AgileRegulator: A hybrid voltage regulator scheme redeeming dark silicon for power efficiency in a multicore architecture 2012 ,		31
51	Context-Aware HCI Service Selection. <i>Mobile Information Systems</i> , 2012 , 8, 231-254	1.4	3
50	A chain-cluster based routing algorithm for wireless sensor networks. <i>Journal of Intelligent Manufacturing</i> , 2012 , 23, 1305-1313	6.7	56
49	An efficient and scalable ubiquitous storage scheme for delay-sensitive IT applications. <i>Journal of Intelligent Manufacturing</i> , 2012 , 23, 955-963	6.7	
48	Long Duration Broadcast Authentication for Wireless Sensor Networks 2012 ,		1

47	. <i>IEEE Transactions on Parallel and Distributed Systems</i> , 2011 , 22, 558-570	3.7	87
46	An Effective Deadlock Prevention Mechanism for Distributed Transaction Management 2011 ,		1
45	Improvements on Sequential Minimal Optimization Algorithm for Support Vector Machine Based on Semi-sparse Algorithm 2011 ,		2
44	Mechanism Design for Stochastic Virtual Resource Allocation in Non-cooperative Cloud Systems 2011 ,		19
43	CAB: Cache Aware Bi-tier Task-Stealing in Multi-socket Multi-core Architecture 2011 ,		18
42	Towards Context-Aware Ubiquitous Transaction Processing: A Model and Algorithm 2011 ,		1
41	SAMR: A Self-adaptive MapReduce Scheduling Algorithm in Heterogeneous Environment 2010 ,		102
40	A Parallel Skeleton Library for Embedded Multicores 2010 ,		2
39	Dynamic Itinerary Planning for Mobile Agents with a Content-Specific Approach in Wireless Sensor Networks 2010 ,		16
38	Energy Efficient Transmission Distance Adjustment under Non-uniform Distributed Wireless Sensor Networks 2010 ,		1
37	MTTF of Composite Web Services 2010 ,		15
36	A probabilistic-approach based resource allocation algorithm in pervasive computing systems 2010 ,		2
35	Trusted Routing Based on Dynamic Trust Mechanism in Mobile Ad-Hoc Networks. <i>IEICE Transactions on Information and Systems</i> , 2010 , E93-D, 510-517	0.6	14
34	A Secure and Scalable Rekeying Mechanism for Hierarchical Wireless Sensor Networks. <i>IEICE Transactions on Information and Systems</i> , 2010 , E93-D, 421-429	0.6	0
33	Tier-Based Scalable and Secure Routing for Wireless Sensor Networks with Mobile Sinks. <i>IEICE Transactions on Information and Systems</i> , 2010 , E93-D, 458-465	0.6	
32	Designing energy efficient target tracking protocol with quality monitoring in wireless sensor networks. <i>Journal of Supercomputing</i> , 2010 , 51, 131-148	2.5	15
31	Context reasoning using extended evidence theory in pervasive computing environments. <i>Future Generation Computer Systems</i> , 2010 , 26, 207-216	7.5	28
30	An Efficient Collaborative Filtering Approach Using Smoothing and Fusing 2009 ,		7

29	Service-Oriented Multimedia Delivery in Pervasive Space 2009 ,		4
28	I-Cache Tag Reduction for Low Power Chip Multiprocessor 2009 ,		1
27	Global Variable Partition with Virtually Shared Scratch Pad Memory to Minimize Schedule Length 2009 ,		1
26	Extended Dempster-Shafer Theory in Context Reasoning for Ubiquitous Computing Environments 2009 ,		11
25	A Trade-Off Approach to Optimal Resource Allocation Algorithm with Cache Technology in Ubiquitous Computing Environment 2009 ,		2
24	A scalable key pre-distribution mechanism for large-scale wireless sensor networks. <i>Concurrency Computation Practice and Experience</i> , 2009 , 21, 1373-1387	1.4	3
23	Adaptive location updates for mobile sinks in wireless sensor networks. <i>Journal of Supercomputing</i> , 2009 , 47, 127-145	2.5	71
22	Loop scheduling and bank type assignment for heterogeneous multi-bank memory. <i>Journal of Parallel and Distributed Computing</i> , 2009 , 69, 546-558	4.4	15
21	Transaction Management for Reliable Grid Applications 2009 ,		10
20	Analysis of the Availability of Composite Web Services 2009 ,		3
19	Multipath Routing with Reliable Nodes in Large-Scale Mobile Ad-Hoc Networks. <i>IEICE Transactions on Information and Systems</i> , 2009 , E92-D, 1675-1682	0.6	3
18	Topology Design of Network-Coding-Based Multicast Networks. <i>IEEE Transactions on Parallel and Distributed Systems</i> , 2008 , 19, 627-640	3.7	10
17	Consistent Music Recommendation in Heterogeneous Pervasive Environment 2008 ,		1
16	Scalable and Secure Routing for Large-Scale Sensor Networks 2008 ,		3
15	Towards Context-Aware Workflow Management for Ubiquitous Computing 2008 ,		24
14	Improving the parallelism of iterative methods by aggressive loop fusion. <i>Journal of Supercomputing</i> , 2008 , 43, 147-164	2.5	2
13	Advances in high performance computing. <i>Journal of Supercomputing</i> , 2008 , 43, 105-106	2.5	
12	Restoration Probability Modelling for Active Restoration-Based Optical Networks with Correlation Among Backup Routes. <i>IEEE Transactions on Parallel and Distributed Systems</i> , 2007 , 18, 1592-1606	3.7	2

11	Energy-Efficient Dual Prediction-Based Data Gathering for Environmental Monitoring Applications 2007,	14
10	RARE: An Energy-Efficient Target Tracking Protocol for Wireless Sensor Networks 2007,	31
9	Performance Evaluation to Optimize the UMP System Focusing on Network Transmission Speed 2007,	4
8	Efficient group key management for multi-privileged groups. <i>Computer Communications</i> , 2007 , 30, 2497-2509	15
7	Hole Avoiding in Advance Routing in Wireless Sensor Networks 2007,	36
6	Designing Piecewise QoS Routing Protocol in Large-Scale MANETs 2007,	2
5	Polynomial Regression for Data Gathering in Environmental Monitoring Applications 2007,	13
4	Multiprocessor Simulator System Based on Multi-way Cluster Using Double-buffered Model. <i>International Conference on Advanced Networking and Applications</i> , 2007,	5
3	An Effective Trust Establishment Scheme for Authentication in Mobile Ad Hoc Networks 2007,	8
2	Coordinated Multimedia Object Replacement in Transcoding Proxies for Tree Networks 2006,	1
1	A Divide-and-Conquer Algorithm for Irregular Redistribution in Parallelizing Compilers. <i>Journal of Supercomputing</i> , 2004 , 29, 157-170	2.5 14