Albert Y Zomaya

List of Publications by Year
in descending order

837 papers	24,215 citations	12330 69 h-index	19190 118 g-index
911 all docs	911 docs citations	911 times ranked	17761 citing authors

#	Article	IF	Citations
1	A Survey of Clustering Algorithms for Big Data: Taxonomy and Empirical Analysis. IEEE Transactions on Emerging Topics in Computing, 2014, 2, 267-279.	4.6	743
2	Federated Learning over Wireless Networks: Optimization Model Design and Analysis. , 2019, , .		565
3	A Taxonomy and Survey of Energy-Efficient Data Centers and Cloud Computing Systems. Advances in Computers, 2011, 82, 47-111.	1.6	529
4	Energy efficient utilization of resources in cloud computing systems. Journal of Supercomputing, 2012, 60, 268-280.	3.6	506
5	Edge Intelligence: The Confluence of Edge Computing and Artificial Intelligence. IEEE Internet of Things Journal, 2020, 7, 7457-7469.	8.7	480
6	Remote sensing big data computing: Challenges and opportunities. Future Generation Computer Systems, 2015, 51, 47-60.	7.5	444
7	A Review of Ensemble Methods in Bioinformatics. Current Bioinformatics, 2010, 5, 296-308.	1.5	399
8	Observations on using genetic algorithms for dynamic load-balancing. IEEE Transactions on Parallel and Distributed Systems, 2001, 12, 899-911.	5.6	293
9	A parallel bi-objective hybrid metaheuristic for energy-aware scheduling for cloud computing systems. Journal of Parallel and Distributed Computing, 2011, 71, 1497-1508.	4.1	281
10	Energy Conscious Scheduling for Distributed Computing Systems under Different Operating Conditions. IEEE Transactions on Parallel and Distributed Systems, 2011, 22, 1374-1381.	5.6	270
11	A survey and taxonomy on energy efficient resource allocation techniques for cloud computing systems. Computing (Vienna/New York), 2016, 98, 751-774.	4.8	253
12	Blockchain for smart communities: Applications, challenges and opportunities. Journal of Network and Computer Applications, 2019, 144, 13-48.	9.1	249
13	Computation Offloading for Service Workflow in Mobile Cloud Computing. IEEE Transactions on Parallel and Distributed Systems, 2015, 26, 3317-3329.	5.6	228
14	Local information transfer as a spatiotemporal filter for complex systems. Physical Review E, 2008, 77, 026110.	2.1	211
15	A Manifesto for Future Generation Cloud Computing. ACM Computing Surveys, 2019, 51, 1-38.	23.0	198
16	Federated Learning Over Wireless Networks: Convergence Analysis and Resource Allocation. IEEE/ACM Transactions on Networking, 2021, 29, 398-409.	3.8	196
17	Secure and Sustainable Load Balancing of Edge Data Centers in Fog Computing. , 2018, 56, 60-65.		188
18	A Hybrid Deep Learning-Based Model for Anomaly Detection in Cloud Datacenter Networks. IEEE Transactions on Network and Service Management, 2019, 16, 924-935.	4.9	187

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19	Energy-efficient data replication in cloud computing datacenters. Cluster Computing, 2015, 18, 385-402.	5.0	184
20	Fast Adaptive Task Offloading in Edge Computing Based on Meta Reinforcement Learning. IEEE Transactions on Parallel and Distributed Systems, 2021, 32, 242-253.	5.6	184
21	Forecasting yield by integrating agrarian factors and machine learning models: A survey. Computers and Electronics in Agriculture, 2018, 155, 257-282.	7.7	177
22	Energy-aware parallel task scheduling in a cluster. Future Generation Computer Systems, 2013, 29, 1661-1670.	7.5	176
23	An overview of energy efficiency techniques in cluster computing systems. Cluster Computing, 2013, 16, 3-15.	5.0	160
24	Optimal Multiserver Configuration for Profit Maximization in Cloud Computing. IEEE Transactions on Parallel and Distributed Systems, 2013, 24, 1087-1096.	5.6	159
25	Big Data Privacy in the Internet of Things Era. IT Professional, 2015, 17, 32-39.	1.5	158
26	Location of Things (LoT): A Review and Taxonomy of Sensors Localization in IoT Infrastructure. IEEE Communications Surveys and Tutorials, 2018, 20, 2028-2061.	39.4	153
27	Temporal Convolutional Networks for the Advance Prediction of ENSO. Scientific Reports, 2020, 10, 8055.	3.3	152
28	Genetic scheduling for parallel processor systems: comparative studies and performance issues. IEEE Transactions on Parallel and Distributed Systems, 1999, 10, 795-812.	5.6	151
29	SeDaSC: Secure Data Sharing in Clouds. IEEE Systems Journal, 2017, 11, 395-404.	4.6	141
30	pipsCloud: High performance cloud computing for remote sensing big data management and processing. Future Generation Computer Systems, 2018, 78, 353-368.	7.5	140
31	An Industrial Network Intrusion Detection Algorithm Based on Multifeature Data Clustering Optimization Model. IEEE Transactions on Industrial Informatics, 2020, 16, 2063-2071.	11.3	140
32	Reinforcement learning in sustainable energy and electric systems: a survey. Annual Reviews in Control, 2020, 49, 145-163.	7.9	135
33	Local measures of information storage in complex distributed computation. Information Sciences, 2012, 208, 39-54.	6.9	130
34	An Efficient Privacy-Preserving Ranked Keyword Search Method. IEEE Transactions on Parallel and Distributed Systems, 2016, 27, 951-963.	5.6	130
35	Robust Big Data Analytics for Electricity Price Forecasting in the Smart Grid. IEEE Transactions on Big Data, 2019, 5, 34-45.	6.1	129
36	An overview of Channel Assignment methods for multi-radio multi-channel wireless mesh networks. Journal of Parallel and Distributed Computing, 2010, 70, 505-524.	4.1	127

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37	Hybrid context enriched deep learning model for fine-grained sentiment analysis in textual and visual semiotic modality social data. Information Processing and Management, 2020, 57, 102141.	8.6	125
38	Minimizing Energy Consumption for Precedence-Constrained Applications Using Dynamic Voltage Scaling. , 2009, , .		123
39	Circuit Copyright Blockchain: Blockchain-Based Homomorphic Encryption for IP Circuit Protection. IEEE Transactions on Emerging Topics in Computing, 2021, 9, 1410-1420.	4.6	118
40	Dynamical Resource Allocation in Edge for Trustable Internet-of-Things Systems: A Reinforcement Learning Method. IEEE Transactions on Industrial Informatics, 2020, 16, 6103-6113.	11.3	116
41	A survey on resource allocation in high performance distributed computing systems. Parallel Computing, 2013, 39, 709-736.	2.1	112
42	Some observations on optimal frequency selection in DVFS-based energy consumption minimization. Journal of Parallel and Distributed Computing, 2011, 71, 1154-1164.	4.1	111
43	System modelling and performance evaluation of a three-tier Cloud of Things. Future Generation Computer Systems, 2017, 70, 104-125.	7.5	108
44	Mobility-Aware Service Composition in Mobile Communities. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2017, 47, 555-568.	9.3	107
45	Optimal Decision Making for Big Data Processing at Edge-Cloud Environment: An SDN Perspective. IEEE Transactions on Industrial Informatics, 2018, 14, 778-789.	11.3	107
46	Cellular automata computations and secret key cryptography. Parallel Computing, 2004, 30, 753-766.	2.1	106
47	Profit-Driven Service Request Scheduling in Clouds. , 2010, , .		102
48	Tradeoffs Between Profit and Customer Satisfaction for Service Provisioning in the Cloud. , 2011, , .		101
49	Security Issues in Wireless Sensor Networks. , 2006, , .		98
50	Information modification and particle collisions in distributed computation. Chaos, 2010, 20, 037109.	2.5	98
51	Towards Accurate Prediction for High-Dimensional and Highly-Variable Cloud Workloads with Deep Learning. IEEE Transactions on Parallel and Distributed Systems, 2020, 31, 923-934.	5.6	98
52	Optimal Application Deployment in Resource Constrained Distributed Edges. IEEE Transactions on Mobile Computing, 2021, 20, 1907-1923.	5.8	98
53	Game-Theoretic Approach for Load Balancing in Computational Grids. IEEE Transactions on Parallel and Distributed Systems, 2008, 19, 66-76.	5.6	97
54	Remote Data Auditing in Cloud Computing Environments. ACM Computing Surveys, 2015, 47, 1-34.	23.0	95

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55	Profit-driven scheduling for cloud services with data access awareness. Journal of Parallel and Distributed Computing, 2012, 72, 591-602.	4.1	94
56	Efficient allocation of resources in multiple heterogeneous Wireless Sensor Networks. Journal of Parallel and Distributed Computing, 2014, 74, 1775-1788.	4.1	89
57	Dynamic energy dispatch strategy for integrated energy system based on improved deep reinforcement learning. Energy, 2021, 235, 121377.	8.8	88
58	On Enabling Sustainable Edge Computing with Renewable Energy Resources. , 2018, 56, 94-101.		87
59	Trends and challenges in cloud datacenters. IEEE Cloud Computing, 2014, 1, 10-20.	3.9	85
60	A survey on text mining in social networks. Knowledge Engineering Review, 2015, 30, 157-170.	2.6	84
61	Adaptive Energy-Aware Computation Offloading for Cloud of Things Systems. IEEE Access, 2017, 5, 23947-23957.	4.2	83
62	Utilization-prediction-aware virtual machine consolidation approach for energy-efficient cloud data centers. Journal of Parallel and Distributed Computing, 2020, 139, 99-109.	4.1	83
63	An Efficiency-boosting Client Selection Scheme for Federated Learning with Fairness Guarantee. IEEE Transactions on Parallel and Distributed Systems, 2020, , 1-1.	5.6	83
64	Toward generating neural network structures for function approximation. Neural Networks, 1994, 7, 89-99.	5.9	82
65	Assortative mixing in directed biological networks. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2012, 9, 66-78.	3.0	82
66	An Efficient Data-Driven Clustering Technique to Detect Attacks in SCADA Systems. IEEE Transactions on Information Forensics and Security, 2016, 11, 893-906.	6.9	82
67	En-ABC: An ensemble artificial bee colony based anomaly detection scheme for cloud environment. Journal of Parallel and Distributed Computing, 2020, 135, 219-233.	4.1	81
68	On the Characterization of the Structural Robustness of Data Center Networks. IEEE Transactions on Cloud Computing, 2013, 1, 1-1.	4.4	80
69	Quantitative comparisons of the state‚Äëof‚Äëthe‚Äëart data center architectures. Concurrency Computation Practice and Experience, 2013, 25, 1771-1783.	2.2	79
70	Particle Swarm Optimization based dictionary learning for remote sensing big data. Knowledge-Based Systems, 2015, 79, 43-50.	7.1	79
71	Follow Me Fog: Toward Seamless Handover Timing Schemes in a Fog Computing Environment. , 2017, 55, 72-78.		78
72	Tensor-Based Big Data Management Scheme for Dimensionality Reduction Problem in Smart Grid Systems: SDN Perspective. IEEE Transactions on Knowledge and Data Engineering, 2018, 30, 1985-1998.	5.7	78

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73	Local assortativeness in scale-free networks. Europhysics Letters, 2008, 84, 28002.	2.0	75
74	A comparison of three artificial life techniques for reporting cell planning in mobile computing. IEEE Transactions on Parallel and Distributed Systems, 2003, 14, 142-153.	5.6	74
75	The Next Grand Challenges: Integrating the Internet of Things and Data Science. IEEE Cloud Computing, 2018, 5, 12-26.	3.9	74
76	Ubiquitous Localization (UbiLoc): A Survey and Taxonomy on Device Free Localization for Smart World. IEEE Communications Surveys and Tutorials, 2019, 21, 3532-3564.	39.4	74
77	Composition-Driven IoT Service Provisioning in Distributed Edges. IEEE Access, 2018, 6, 54258-54269.	4.2	72
78	Resource-efficient workflow scheduling in clouds. Knowledge-Based Systems, 2015, 80, 153-162.	7.1	71
79	Performance and Energy Efficiency Metrics for Communication Systems of Cloud Computing Data Centers. IEEE Transactions on Cloud Computing, 2017, 5, 738-750.	4.4	71
80	GA-ETI: An enhanced genetic algorithm for the scheduling of scientific workflows in cloud environments. Journal of Computational Science, 2018, 26, 318-331.	2.9	71
81	Network Function Virtualization in Dynamic Networks: A Stochastic Perspective. IEEE Journal on Selected Areas in Communications, 2018, 36, 2218-2232.	14.0	71
82	Evolving cellular automata for location management in mobile computing networks. IEEE Transactions on Parallel and Distributed Systems, 2003, 14, 13-26.	5.6	70
83	Sample Subset Optimization Techniques for Imbalanced and Ensemble Learning Problems in Bioinformatics Applications. IEEE Transactions on Cybernetics, 2014, 44, 445-455.	9.5	70
84	Towards secure and practical consensus for blockchain based VANET. Information Sciences, 2021, 545, 170-187.	6.9	70
85	Profiling-Based Workload Consolidation and Migration in Virtualized Data Centers. IEEE Transactions on Parallel and Distributed Systems, 2015, 26, 878-890.	5.6	69
86	IoTSimâ€Edge: A simulation framework for modeling the behavior of Internet of Things and edge computing environments. Software - Practice and Experience, 2020, 50, 844-867.	3.6	69
87	CASpMV: A Customized and Accelerative SpMV Framework for the Sunway TaihuLight. IEEE Transactions on Parallel and Distributed Systems, 2021, 32, 131-146.	5.6	69
88	Practical Scheduling of Bag-of-Tasks Applications on Grids with Dynamic Resilience. IEEE Transactions on Computers, 2007, 56, 815-825.	3.4	68
89	A Novel Generation-Adversarial-Network-Based Vehicle Trajectory Prediction Method for Intelligent Vehicular Networks. IEEE Internet of Things Journal, 2021, 8, 2066-2077.	8.7	68
90	CA-DAG: Modeling Communication-Aware Applications for Scheduling in Cloud Computing. Journal of Grid Computing, 2016, 14, 23-39.	3.9	67

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91	A balanced scheduler with data reuse and replication for scientific workflows in cloud computing systems. Future Generation Computer Systems, 2017, 74, 168-178.	7.5	67
92	Novel Online Sequential Learning-Based Adaptive Routing for Edge Software-Defined Vehicular Networks. IEEE Transactions on Wireless Communications, 2021, 20, 2991-3004.	9.2	66
93	Rendezvous based routing protocol for wireless sensor networks with mobile sink. Journal of Supercomputing, 2017, 73, 1168-1188.	3.6	65
94	A Framework of Price Bidding Configurations for Resource Usage in Cloud Computing. IEEE Transactions on Parallel and Distributed Systems, 2016, 27, 2168-2181.	5.6	64
95	Distributed anomaly detection for industrial wireless sensor networks based on fuzzy data modelling. Journal of Parallel and Distributed Computing, 2013, 73, 790-806.	4.1	63
96	Survey on Grid Resource Allocation Mechanisms. Journal of Grid Computing, 2014, 12, 399-441.	3.9	63
97	Optimal governance and implementation of vaccination programmes to contain the COVID-19 pandemic. Royal Society Open Science, 2021, 8, 210429.	2.4	63
98	A Web Platform for Interconnecting Body Sensors and Improving Health Care. Procedia Computer Science, 2014, 40, 135-142.	2.0	61
99	OmniSuggest: A Ubiquitous Cloud-Based Context-Aware Recommendation System for Mobile Social Networks. IEEE Transactions on Services Computing, 2014, 7, 401-414.	4.6	61
100	A Bee Colony based optimization approach for simultaneous job scheduling and data replication in grid environments. Computers and Operations Research, 2013, 40, 1564-1578.	4.0	60
101	Secure authentication and load balancing of distributed edge datacenters. Journal of Parallel and Distributed Computing, 2019, 124, 60-69.	4.1	60
102	Intelligent VNF Orchestration and Flow Scheduling via Model-Assisted Deep Reinforcement Learning. IEEE Journal on Selected Areas in Communications, 2020, 38, 279-291.	14.0	60
103	The Pagerank-Index: Going beyond Citation Counts in Quantifying Scientific Impact of Researchers. PLoS ONE, 2015, 10, e0134794.	2.5	60
104	Economical and Balanced Energy Usage in the Smart Home Infrastructure: A Tutorial and New Results. IEEE Transactions on Emerging Topics in Computing, 2015, 3, 556-570.	4.6	59
105	A Parallel File System with Application-Aware Data Layout Policies for Massive Remote Sensing Image Processing in Digital Earth. IEEE Transactions on Parallel and Distributed Systems, 2015, 26, 1497-1508.	5.6	59
106	Cloud Log Forensics. ACM Computing Surveys, 2017, 49, 1-42.	23.0	59
107	Linear Combinations of DVFS-Enabled Processor Frequencies to Modify the Energy-Aware Scheduling Algorithms. , 2010, , .		58
108	Robust ${H_\infty}$ Control of Doubly Fed Wind Generator via State-Dependent Riccati Equation Technique. IEEE Transactions on Power Systems, 2019, 34, 2390-2400.	6.5	58

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109	Multiprocessor scheduling and rescheduling with use of cellular automata and artificial immune system support. IEEE Transactions on Parallel and Distributed Systems, 2006, 17, 253-262.	5.6	57
110	Artificial life techniques for load balancing in computational grids. Journal of Computer and System Sciences, 2007, 73, 1176-1190.	1.2	57
111	Rescheduling for reliable job completion with the support of clouds. Future Generation Computer Systems, 2010, 26, 1192-1199.	7.5	57
112	Traffic-Aware Geo-Distributed Big Data Analytics with Predictable Job Completion Time. IEEE Transactions on Parallel and Distributed Systems, 2017, 28, 1785-1796.	5.6	57
113	Auditing Big Data Storage in Cloud Computing Using Divide and Conquer Tables. IEEE Transactions on Parallel and Distributed Systems, 2018, 29, 999-1012.	5.6	57
114	Green Data-Collection From Geo-Distributed IoT Networks Through Low-Earth-Orbit Satellites. IEEE Transactions on Green Communications and Networking, 2019, 3, 806-816.	5.5	57
115	Throughput of Infrastructure-Based Cooperative Vehicular Networks. IEEE Transactions on Intelligent Transportation Systems, 2017, 18, 2964-2979.	8.0	56
116	An Unmanned Inspection System for Multiple Defects Detection in Photovoltaic Plants. IEEE Journal of Photovoltaics, 2020, 10, 568-576.	2.5	56
117	A Cooperative Game Framework for QoS Guided Job Allocation Schemes in Grids. IEEE Transactions on Computers, 2008, 57, 1413-1422.	3.4	55
118	Priority-Based Consolidation of Parallel Workloads in the Cloud. IEEE Transactions on Parallel and Distributed Systems, 2013, 24, 1874-1883.	5.6	55
119	Federated Learning for COVID-19 Detection With Generative Adversarial Networks in Edge Cloud Computing. IEEE Internet of Things Journal, 2022, 9, 10257-10271.	8.7	55
120	A dynamic tradeoff data processing framework for delay-sensitive applications in Cloud of Things systems. Journal of Parallel and Distributed Computing, 2018, 112, 53-66.	4.1	54
121	Towards healthy and cost-effective indoor environment management in smart homes: A deep reinforcement learning approach. Applied Energy, 2021, 300, 117335.	10.1	54
122	Task-Tree Based Large-Scale Mosaicking for Massive Remote Sensed Imageries with Dynamic DAG Scheduling. IEEE Transactions on Parallel and Distributed Systems, 2014, 25, 2126-2137.	5.6	53
123	Adaptive Resource Allocation and Provisioning in Multi-Service Cloud Environments. IEEE Transactions on Parallel and Distributed Systems, 2018, 29, 31-42.	5.6	53
124	Security, energy, and performance-aware resource allocation mechanisms for computational grids. Future Generation Computer Systems, 2014, 31, 77-92.	7.5	52
125	A Dynamic Programming Algorithm for Leveraging Probabilistic Detection of Energy Theft in Smart Home. IEEE Transactions on Emerging Topics in Computing, 2015, 3, 502-513.	4.6	52
126	Hybrid Cryptographic Access Control for Cloud-Based EHR Systems. IEEE Cloud Computing, 2016, 3, 58-64.	3.9	52

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127	Distributed Segment-Based Anomaly Detection With Kullbackâ€"Leibler Divergence in Wireless Sensor Networks. IEEE Transactions on Information Forensics and Security, 2017, 12, 101-110.	6.9	52
128	Building a Sustainable Internet of Things: Energy-Efficient Routing Using Low-Power Sensors Will Meet the Need. IEEE Consumer Electronics Magazine, 2018, 7, 42-49.	2.3	52
129	Energy efficient geneticâ€based schedulers in computational grids. Concurrency Computation Practice and Experience, 2015, 27, 809-829.	2.2	51
130	Decentralized Networked Load Frequency Control in Interconnected Power Systems Based on Stochastic Jump System Theory. IEEE Transactions on Smart Grid, 2020, 11, 4427-4439.	9.0	51
131	Profiling Applications for Virtual Machine Placement in Clouds. , 2011, , .		50
132	Energy-efficient VM-placement in cloud data center. Sustainable Computing: Informatics and Systems, 2018, 20, 48-55.	2.2	50
133	TBRS: A trust based recommendation scheme for vehicular CPS network. Future Generation Computer Systems, 2019, 92, 383-398.	7.5	50
134	Cooperative power-aware scheduling in grid computing environments. Journal of Parallel and Distributed Computing, 2010, 70, 84-91.	4.1	49
135	H-PARAFAC: Hierarchical Parallel Factor Analysis of Multidimensional Big Data. IEEE Transactions on Parallel and Distributed Systems, 2017, 28, 1091-1104.	5.6	49
136	Energy trading with dynamic pricing for electric vehicles in a smart city environment. Journal of Parallel and Distributed Computing, 2019, 127, 169-183.	4.1	49
137	Vehicular Computation Offloading for Industrial Mobile Edge Computing. IEEE Transactions on Industrial Informatics, 2021, 17, 7871-7881.	11.3	49
138	RBT-GA: a novel metaheuristic for solving the multiple sequence alignment problem. BMC Genomics, 2009, 10, S10.	2.8	48
139	Ensemble-Based Wrapper Methods for Feature Selection and Class Imbalance Learning. Lecture Notes in Computer Science, 2013, , 544-555.	1.3	48
140	Cost Minimization for Rule Caching in Software Defined Networking. IEEE Transactions on Parallel and Distributed Systems, 2016, 27, 1007-1016.	5.6	47
141	Renewable energy powered sustainable 5G network infrastructure: Opportunities, challenges and perspectives. Journal of Network and Computer Applications, 2021, 175, 102910.	9.1	47
142	A multi-filter enhanced genetic ensemble system for gene selection and sample classification of microarray data. BMC Bioinformatics, 2010, 11, S5.	2.6	46
143	Orchestrating the Development Lifecycle of Machine Learning-based IoT Applications. ACM Computing Surveys, 2021, 53, 1-47.	23.0	46
144	A Survey of Mobile Device Virtualization. ACM Computing Surveys, 2017, 49, 1-36.	23.0	45

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145	Greening emerging IT technologies: techniques and practices. Journal of Internet Services and Applications, 2017, 8, .	2.1	45
146	A Dimension Reduction Model and Classifier for Anomaly-Based Intrusion Detection in Internet of Things. , 2017, , .		45
147	DeFusionNET: Defocus Blur Detection via Recurrently Fusing and Refining Multi-Scale Deep Features. , 2019, , .		45
148	DeFusionNET: Defocus Blur Detection via Recurrently Fusing and Refining Discriminative Multi-Scale Deep Features. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2022, 44, 955-968.	13.9	45
149	Evolutionary Scheduling of Dynamic Multitasking Workloads for Big-Data Analytics in Elastic Cloud. IEEE Transactions on Emerging Topics in Computing, 2014, 2, 338-351.	4.6	44
150	Spatiotemporal Fusion of MODIS and Landsat-7 Reflectance Images via Compressed Sensing. IEEE Transactions on Geoscience and Remote Sensing, 2017, 55, 7126-7139.	6.3	44
151	DROPS: Division and Replication of Data in Cloud for Optimal Performance and Security. IEEE Transactions on Cloud Computing, 2018, 6, 303-315.	4.4	44
152	A Novel State Transition Method for Metaheuristic-Based Scheduling in Heterogeneous Computing Systems. IEEE Transactions on Parallel and Distributed Systems, 2008, 19, 1215-1223.	5.6	43
153	Pareto-Optimal Cloud Bursting. IEEE Transactions on Parallel and Distributed Systems, 2014, 25, 2670-2682.	5.6	43
154	Parallel Simulation of Complex Evacuation Scenarios with Adaptive Agent Models. IEEE Transactions on Parallel and Distributed Systems, 2015, 26, 847-857.	5.6	43
155	Toward Mobile Service Computing: Opportunities and Challenges. IEEE Cloud Computing, 2016, 3, 32-41.	3.9	43
156	A Systematic Review of Shared Sensor Networks. ACM Computing Surveys, 2016, 48, 1-50.	23.0	43
157	Sequential and parallel cellular automata-based scheduling algorithms. IEEE Transactions on Parallel and Distributed Systems, 2002, 13, 1009-1023.	5.6	42
158	A particle swarm based hybrid system for imbalanced medical data sampling. BMC Genomics, 2009, 10, S34.	2.8	42
159	Fairness-Aware Dynamic Rate Control and Flow Scheduling for Network Utility Maximization in Network Service Chain. IEEE Journal on Selected Areas in Communications, 2019, 37, 1059-1071.	14.0	42
160	A lightweight solution to epileptic seizure prediction based on EEG synchronization measurement. Journal of Supercomputing, 2021, 77, 3914-3932.	3.6	42
161	Lime: Low-Cost and Incremental Learning for Dynamic Heterogeneous Information Networks. IEEE Transactions on Computers, 2022, 71, 628-642.	3.4	42
162	An optimal and stable feature selection approach for traffic classification based on multi-criterion fusion. Future Generation Computer Systems, 2014, 36, 156-169.	7.5	41

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163	An integrated task computation and data management scheduling strategy for workflow applications in cloud environments. Journal of Network and Computer Applications, 2015, 50, 39-48.	9.1	41
164	Green Data Center Networks: Challenges and Opportunities. , 2013, , .		40
165	Bayesian tensor factorization for multi-way analysis of multi-dimensional EEG. Neurocomputing, 2018, 318, 162-174.	5.9	40
166	Stackelberg Game for Energy-Aware Resource Allocation to Sustain Data Centers Using RES. IEEE Transactions on Cloud Computing, 2019, 7, 1109-1123.	4.4	40
167	Machine Learning Techniques for Protein Secondary Structure Prediction:An Overview and Evaluation. Current Bioinformatics, 2008, 3, 74-86.	1.5	40
168	Performance analysis of data intensive cloud systems based on data management and replication: a survey. Distributed and Parallel Databases, 2016, 34, 179-215.	1.6	39
169	Uplink Performance Analysis of Dense Cellular Networks With LoS and NLoS Transmissions. IEEE Transactions on Wireless Communications, 2017, 16, 2601-2613.	9.2	39
170	Stochastic Resource Provisioning for Containerized Multi-Tier Web Services in Clouds. IEEE Transactions on Parallel and Distributed Systems, 2017, 28, 2060-2073.	5.6	39
171	A Continuous Change Detection Mechanism to Identify Anomalies in ECG Signals for WBAN-Based Healthcare Environments. IEEE Access, 2017, 5, 13531-13544.	4.2	39
172	A Simulated Annealing approach for mobile location management. Computer Communications, 2007, 30, 714-730.	5.1	38
173	Local assortativity and growth of Internet. European Physical Journal B, 2009, 70, 275-285.	1.5	37
174	A localized algorithm for Structural Health Monitoring using wireless sensor networks. Information Fusion, 2014, 15, 114-129.	19.1	37
175	AdaSampling for Positive-Unlabeled and Label Noise Learning With Bioinformatics Applications. IEEE Transactions on Cybernetics, 2019, 49, 1932-1943.	9.5	37
176	A genetic algorithm for finding optimal location area configurations for mobility management. , 2005, , .		36
177	On the performance-driven load distribution for heterogeneous computational grids. Journal of Computer and System Sciences, 2007, 73, 1191-1206.	1.2	36
178	Adaptive multiple-workflow scheduling with task rearrangement. Journal of Supercomputing, 2015, 71, 1297-1317.	3.6	36
179	Collaboration- and Fairness-Aware Big Data Management in Distributed Clouds. IEEE Transactions on Parallel and Distributed Systems, 2016, 27, 1941-1953.	5.6	36
180	Distribution Based Workload Modelling of Continuous Queries in Clouds. IEEE Transactions on Emerging Topics in Computing, 2017, 5, 120-133.	4.6	36

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181	Safeguard Network Slicing in 5G: A Learning Augmented Optimization Approach. IEEE Journal on Selected Areas in Communications, 2020, 38, 1600-1613.	14.0	36
182	Routing Schemes in Software-Defined Vehicular Networks: Design, Open Issues and Challenges. IEEE Intelligent Transportation Systems Magazine, 2021, 13, 217-226.	3.8	36
183	A parallel simulated annealing algorithm with low communication overhead. IEEE Transactions on Parallel and Distributed Systems, 1995, 6, 1226-1233.	5.6	35
184	Coherent information structure in complex computation. Theory in Biosciences, 2012, 131, 193-203.	1.4	35
185	Long term and large scale time synchronization in wireless sensor networks. Computer Communications, 2014, 37, 77-91.	5.1	35
186	QoS-Aware Inter-Domain Multicast for Scalable Wireless Community Networks. IEEE Transactions on Parallel and Distributed Systems, 2015, 26, 3136-3148.	5.6	35
187	Detecting users' anomalous emotion using social media for business intelligence. Journal of Computational Science, 2018, 25, 193-200.	2.9	35
188	Orchestrating Big Data Analysis Workflows in the Cloud. ACM Computing Surveys, 2020, 52, 1-41.	23.0	35
189	A Taxonomy of Supervised Learning for IDSs in SCADA Environments. ACM Computing Surveys, 2021, 53, 1-37.	23.0	35
190	Assortativeness and information in scale-free networks. European Physical Journal B, 2009, 67, 291-300.	1.5	34
191	Energy-efficient data replication in cloud computing datacenters. , 2013, , .		34
192	Olympus: The Cloud of Sensors. IEEE Cloud Computing, 2015, 2, 48-56.	3.9	34
193	Automated Fine-Grained CPU Cap Control in Serverless Computing Platform. IEEE Transactions on Parallel and Distributed Systems, 2020, 31, 2289-2301.	5.6	34
194	An evolutionary fuzzy scheduler for multi-objective resource allocation in fog computing. Future Generation Computer Systems, 2021, 117, 498-509.	7.5	34
195	Adaptive model-based control using neural networks. International Journal of Control, 1994, 60, 1163-1192.	1.9	33
196	Parallel Processing of Dynamic Continuous Queries over Streaming Data Flows. IEEE Transactions on Parallel and Distributed Systems, 2015, 26, 834-846.	5.6	33
197	Game-Theoretic Market-Driven Smart Home Scheduling Considering Energy Balancing. IEEE Systems Journal, 2017, 11, 910-921.	4.6	33
198	Damage prediction for wind turbines using wireless sensor and actuator networks. Journal of Network and Computer Applications, 2017, 80, 123-140.	9.1	33

#	ARTICLE	IF	CITATIONS
199	Novel Fuzzy and Game Theory Based Clustering and Decision Making for VANETs. IEEE Transactions on Vehicular Technology, 2020, 69, 1568-1581.	6.3	33
200	Burst Load Evacuation Based on Dispatching and Scheduling In Distributed Edge Networks. IEEE Transactions on Parallel and Distributed Systems, 2021, 32, 1918-1932.	5.6	33
201	A Time-Sensitive Token-Based Anonymous Authentication and Dynamic Group Key Agreement Scheme for Industry 5.0. IEEE Transactions on Industrial Informatics, 2022, 18, 7118-7127.	11.3	33
202	Observations on using genetic-algorithms for channel allocation in mobile computing. IEEE Transactions on Parallel and Distributed Systems, 2002, 13, 948-962.	5.6	32
203	On-demand multicast routing protocol with efficient route discovery. Journal of Network and Computer Applications, 2012, 35, 942-950.	9.1	32
204	A Framework for the Local Information Dynamics of Distributed Computation in Complex Systems. Emergence, Complexity and Computation, 2014, , 115-158.	0.3	32
205	MSGR: A Mode-Switched Grid-Based Sustainable Routing Protocol for Wireless Sensor Networks. IEEE Access, 2017, 5, 19864-19875.	4.2	32
206	On the Correlation of Sensor Location and Human Activity Recognition in Body Area Networks (BANs). IEEE Systems Journal, 2018, 12, 82-91.	4.6	32
207	Energy-Efficient Deployment of Edge Dataenters for Mobile Clouds in Sustainable IoT. IEEE Access, 2018, 6, 56587-56597.	4.2	32
208	Service Selection for Composition in Mobile Edge Computing Systems. , 2018, , .		32
209	A framework for reinforcement-based scheduling in parallel processor systems. IEEE Transactions on Parallel and Distributed Systems, 1998, 9, 249-260.	5.6	31
210	Pareto frontier for job execution and data transfer time in hybrid clouds. Future Generation Computer Systems, 2014, 37, 321-334.	7.5	31
211	MacroServ: A Route Recommendation Service for Large-Scale Evacuations. IEEE Transactions on Services Computing, 2017, 10, 589-602.	4.6	31
212	A Combined Genetic-neural Algorithm for Mobility Management. Mathematical Modelling and Algorithms, 2007, 6, 481-507.	0.5	30
213	On the Performance of a Dual-Objective Optimization Model for Workflow Applications on Grid Platforms. IEEE Transactions on Parallel and Distributed Systems, 2009, 20, 1273-1284.	5.6	30
214	Probabilistic data structures for big data analytics: A comprehensive review. Knowledge-Based Systems, 2020, 188, 104987.	7.1	30
215	Edge-Oriented Computing: A Survey on Research and Use Cases. Energies, 2022, 15, 452.	3.1	30
216	Stochastic Client Selection for Federated Learning With Volatile Clients. IEEE Internet of Things Journal, 2022, 9, 20055-20070.	8.7	30

#	Article	IF	Citations
217	Centralized and decentralized neuro-adaptive robot controllers. Neural Networks, 1993, 6, 223-244.	5.9	29
218	Energy-efficient permutation routing in radio networks. IEEE Transactions on Parallel and Distributed Systems, 2001, 12, 544-557.	5.6	29
219	DomNet: Protein Domain Boundary Prediction Using Enhanced General Regression Network and New Profiles. IEEE Transactions on Nanobioscience, 2008, 7, 172-181.	3.3	29
220	Cashing in on the Cache in the Cloud. IEEE Transactions on Parallel and Distributed Systems, 2012, 23, 1387-1399.	5.6	29
221	Power efficient rate monotonic scheduling for multi-core systems. Journal of Parallel and Distributed Computing, 2012, 72, 48-57.	4.1	29
222	A control and decision system for smart buildings using wireless sensor and actuator networks. Transactions on Emerging Telecommunications Technologies, 2014, 25, 120-135.	3.9	29
223	ARPS: An Autonomic Resource Provisioning and Scheduling Framework for Cloud Platforms. IEEE Transactions on Sustainable Computing, 2022, 7, 386-399.	3.1	29
224	Modeling and Analysis of the Thermal Properties Exhibited by Cyberphysical Data Centers. IEEE Systems Journal, 2017, 11, 163-172.	4.6	28
225	Real-Time Virtual Network Function (VNF) Migration toward Low Network Latency in Cloud Environments. , 2017, , .		28
226	DAGBENCH: A Performance Evaluation Framework for DAG Distributed Ledgers. , 2019, , .		28
227	A Novel Prediction-Based Temporal Graph Routing Algorithm for Software-Defined Vehicular Networks. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 13275-13290.	8.0	28
228	Adaptive energy-efficient scheduling for hierarchical wireless sensor networks. ACM Transactions on Sensor Networks, 2013, 9, 1-34.	3.6	27
229	Performance Analysis of EDF Scheduling in a Multi-Priority Preemptive M/G/1 Queue. IEEE Transactions on Parallel and Distributed Systems, 2014, 25, 2149-2158.	5.6	27
230	Cost-effective processing for Delay-sensitive applications in Cloud of Things systems. , 2016, , .		27
231	Cost Performance Driven Service Mashup: A Developer Perspective. IEEE Transactions on Parallel and Distributed Systems, 2016, 27, 2234-2247.	5.6	27
232	Privacy-Aware Scheduling SaaS in High Performance Computing Environments. IEEE Transactions on Parallel and Distributed Systems, 2017, 28, 1176-1188.	5.6	27
233	Reinforcement learning for the adaptive control of nonlinear systems. IEEE Transactions on Systems, Man, and Cybernetics, 1994, 24, 357-363.	0.9	26
234	Dynamic Location Management for Mobile Computing. Telecommunication Systems, 2003, 22, 169-187.	2.5	26

#	Article	IF	Citations
235	An accurate on-demand time synchronization protocol for wireless sensor networks. Journal of Parallel and Distributed Computing, 2012, 72, 1332-1346.	4.1	26
236	Hybrid Evolutionary Scheduling for Energy-Efficient Fog-Enhanced Internet of Things. IEEE Transactions on Cloud Computing, 2021, 9, 641-653.	4.4	26
237	Machine-Learning-Based Real-Time Economic Dispatch in Islanding Microgrids in a Cloud-Edge Computing Environment. IEEE Internet of Things Journal, 2021, 8, 13703-13711.	8.7	26
238	Improving the performance of DomainDiscovery of protein domain boundary assignment using inter-domain linker index. BMC Bioinformatics, 2006, 7, S6.	2.6	25
239	SiteSeek: Post-translational modification analysis using adaptive locality-effective kernel methods and new profiles. BMC Bioinformatics, 2008, 9, 272.	2.6	25
240	A scalable parallel algorithm for atmospheric general circulation models on a multi-core cluster. Future Generation Computer Systems, 2017, 72, 1-10.	7.5	25
241	An efficient online direction-preserving compression approach for trajectory streaming data. Future Generation Computer Systems, 2017, 68, 150-162.	7.5	25
242	A New Spectrum Management Scheme for Road Safety in Smart Cities. IEEE Transactions on Intelligent Transportation Systems, 2018, 19, 3496-3506.	8.0	25
243	Heterogeneous Job Allocation Scheduler for Hadoop MapReduce Using Dynamic Grouping Integrated Neighboring Search. IEEE Transactions on Cloud Computing, 2020, 8, 193-206.	4.4	25
244	A New Explainable Deep Learning Framework for Cyber Threat Discovery in Industrial IoT Networks. IEEE Internet of Things Journal, 2022, 9, 11604-11613.	8.7	25
245	Running Industrial Workflow Applications in a Software-Defined Multicloud Environment Using Green Energy Aware Scheduling Algorithm. IEEE Transactions on Industrial Informatics, 2021, 17, 5645-5656.	11.3	24
246	Dependent Function Embedding for Distributed Serverless Edge Computing. IEEE Transactions on Parallel and Distributed Systems, 2022, 33, 2346-2357.	5.6	24
247	Feedback control of minimum-time optimal control problems using neural networks. Optimal Control Applications and Methods, 1993, 14, 1-16.	2.1	23
248	An overview of protein-folding techniques: issues and perspectives. International Journal of Bioinformatics Research and Applications, 2005, 1, 121.	0.2	23
249	Handling Uncertainty: Pareto-Efficient BoT Scheduling on Hybrid Clouds. , 2013, , .		23
250	Estimating the Statistical Characteristics of Remote Sensing Big Data in the Wavelet Transform Domain. IEEE Transactions on Emerging Topics in Computing, 2014, 2, 324-337.	4.6	23
251	A hierarchical approach for energy-efficient scheduling of large workloads in multicore distributed systems. Sustainable Computing: Informatics and Systems, 2014, 4, 252-261.	2.2	23
252	Design and Analysis of IoT Applications: A Model-Driven Approach. , 2016, , .		23

#	Article	IF	Citations
253	The Hierarchical Smart Home Cyberattack Detection Considering Power Overloading and Frequency Disturbance. IEEE Transactions on Industrial Informatics, 2016, 12, 1973-1983.	11.3	23
254	P_Segnet and NP_Segnet: New Neural Network Architectures for Cloud Recognition of Remote Sensing Images. IEEE Access, 2019, 7, 87323-87333.	4.2	23
255	Special Issue on Parallel Evolutionary Computing. Journal of Parallel and Distributed Computing, 1997, 47, 1-7.	4.1	22
256	A genetic ensemble approach for gene-gene interaction identification. BMC Bioinformatics, 2010, 11, 524.	2.6	22
257	Model-Driven Development of Wireless Sensor Network Applications. , 2011, , .		22
258	Zeus: A resource allocation algorithm for the cloud of sensors. Future Generation Computer Systems, 2019, 92, 564-581.	7.5	22
259	A Lightweight Short-Term Photovoltaic Power Prediction for Edge Computing. IEEE Transactions on Green Communications and Networking, 2020, 4, 946-955.	5.5	22
260	Edge-Computing-Enabled Unmanned Module Defect Detection and Diagnosis System for Large-Scale Photovoltaic Plants. IEEE Internet of Things Journal, 2020, 7, 9651-9663.	8.7	22
261	Serverless Execution of Scientific Workflows. Lecture Notes in Computer Science, 2017, , 706-721.	1.3	22
262	On Effective Slack Reclamation in Task Scheduling for Energy Reduction. Journal of Information Processing Systems, 2009, 5, 175-186.	0.9	22
263	A performance evaluation of CP list scheduling heuristics for communication intensive task graphs. , 0, , .		21
264	A least flow-time first load sharing approach for distributed server farm. Journal of Parallel and Distributed Computing, 2005, 65, 832-842.	4.1	21
265	Energy-Efficient Data Center Networks Planning with Virtual Machine Placement and Traffic Configuration. , 2014, , .		21
266	Executing Large Scale Scientific Workflow Ensembles in Public Clouds. , 2015, , .		21
267	CEVP: Cross Entropy based Virtual Machine Placement for Energy Optimization in Clouds. Journal of Supercomputing, 2016, 72, 3194-3209.	3.6	21
268	EvacSys: A Cloud-Based Service for Emergency Evacuation. IEEE Cloud Computing, 2016, 3, 60-68.	3.9	21
269	A Multi-Objective Optimization Scheme for Job Scheduling in Sustainable Cloud Data Centers. IEEE Transactions on Cloud Computing, 2022, 10, 172-186.	4.4	21
270	Deep Reinforcement Learning Based VNF Management in Geo-distributed Edge Computing. , 2019, , .		21

#	Article	IF	Citations
271	Redundancy Avoidance for Big Data in Data Centers: A Conventional Neural Network Approach. IEEE Transactions on Network Science and Engineering, 2020, 7, 104-114.	6.4	21
272	Dynamical Service Deployment and Replacement in Resource-Constrained Edges. Mobile Networks and Applications, 2020, 25, 674-689.	3.3	21
273	Intelligent Scheduling and Replication in Datagrids: a Synergistic Approach. , 2007, , .		20
274	Workload Characteristic Oriented Scheduler for MapReduce. , 2012, , .		20
275	CA-DAG: Communication-Aware Directed Acyclic Graphs for Modeling Cloud Computing Applications. , 2013, , .		20
276	Performance Analysis of Dense Small Cell Networks With Dynamic TDD. IEEE Transactions on Vehicular Technology, 2018, 67, 9816-9830.	6.3	20
277	A modified hopfield network for mobility management. Wireless Communications and Mobile Computing, 2008, 8, 355-367.	1.2	19
278	Improved general regression network for protein domain boundary prediction. BMC Bioinformatics, 2008, 9, S12.	2.6	19
279	Local assortativeness in scale-free networks. Europhysics Letters, 2010, 89, 49901.	2.0	19
280	A scheduling algorithm for shared sensor and actuator networks. , 2013, , .		19
281	Recent advances in autonomic provisioning of big data applications on clouds. IEEE Transactions on Cloud Computing, 2015, 3, 101-104.	4.4	19
282	Segregating Spammers and Unsolicited Bloggers from Genuine Experts on Twitter. IEEE Transactions on Dependable and Secure Computing, 2016, , 1-1.	5.4	19
283	HPC-Based Intelligent Volt/VAr Control of Unbalanced Distribution Smart Grid in the Presence of Noise. IEEE Transactions on Smart Grid, 2017, 8, 1446-1459.	9.0	19
284	Mobility-Aware Service Selection in Mobile Edge Computing Systems. , 2019, , .		19
285	Nothing Blocks Me: Precise and Real-Time LOS/NLOS Path Recognition in RFID Systems. IEEE Internet of Things Journal, 2019, 6, 5814-5824.	8.7	19
286	Gait-Watch: A Gait-based context-aware authentication system for smart watch via sparse coding. Ad Hoc Networks, 2020, 107, 102218.	5.5	19
287	Sub-curve HMM: A malware detection approach based on partial analysis of API call sequences. Computers and Security, 2020, 92, 101773.	6.0	19
288	UAV Virtualization for Enabling Heterogeneous and Persistent UAV-as-a-Service. IEEE Transactions on Vehicular Technology, 2020, 69, 6731-6738.	6.3	19

#	Article	IF	Citations
289	Location management in mobile computing. , 0, , .		18
290	A time-optimal solution for the path cover problem on cographs. Theoretical Computer Science, 2003, 290, 1541-1556.	0.9	18
291	A Hybrid Policy for Job Scheduling and Load Balancing in Heterogeneous Computational Grids. , 2007, , .		18
292	Robust task scheduling for volunteer computing systems. Journal of Supercomputing, 2010, 53, 163-181.	3.6	18
293	Exploiting Performance and Cost Diversity in the Cloud. , 2013, , .		18
294	Network-assisted offloading for mobile cloud applications. , 2015, , .		18
295	Edge-based Energy Management for Smart Homes. , 2018, , .		18
296	RÂ²MRF: Defocus Blur Detection via Recurrently Refining Multi-Scale Residual Features. Proceedings of the AAAI Conference on Artificial Intelligence, 2020, 34, 12063-12070.	4.9	18
297	aeSpTV: An Adaptive and Efficient Framework for Sparse Tensor-Vector Product Kernel on a High-Performance Computing Platform. IEEE Transactions on Parallel and Distributed Systems, 2020, 31, 2329-2345.	5.6	18
298	Scheduling in Parallel Computing Systems. , 1999, , .		18
299	SLA Management for Big Data Analytical Applications in Clouds. ACM Computing Surveys, 2021, 53, 1-40.	23.0	18
300	Short-Term Load Forecasting Based on the Transformer Model. Information (Switzerland), 2021, 12, 516.	2.9	18
301	Parallel processing for real-time simulation: a case study. IEEE Parallel and Distributed Technology, 1996, 4, 49-62.	0.6	17
302	DLS: A dynamic local stitching mechanism to rectify transmitting path fragments in wireless sensor networks. Journal of Network and Computer Applications, 2013, 36, 306-315.	9.1	17
303	Randomized approximation scheme for resource allocation in hybrid-cloud environment. Journal of Supercomputing, 2014, 69, 576-592.	3.6	17
304	Cross-Layer Cloud Resource Configuration Selection in the Big Data Era. IEEE Cloud Computing, 2015, 2, 16-22.	3.9	17
305	Enabling Edge Intelligence for Activity Recognition in Smart Homes. , 2018, , .		17
306	Efficient Data Placement and Replication for QoS-Aware Approximate Query Evaluation of Big Data Analytics. IEEE Transactions on Parallel and Distributed Systems, 2019, 30, 2677-2691.	5.6	17

#	Article	IF	Citations
307	Decomposition-Based Stability Analysis for Isolated Power Systems With Reduced Conservativeness. IEEE Transactions on Automation Science and Engineering, 2020, 17, 1623-1632.	5.2	17
308	CreativeBioMan: A Brain- and Body-Wearable, Computing-Based, Creative Gaming System. IEEE Systems, Man, and Cybernetics Magazine, 2020, 6, 14-22.	1.4	17
309	Partial Synchronization to Accelerate Federated Learning Over Relay-Assisted Edge Networks. IEEE Transactions on Mobile Computing, 2022, 21, 4502-4516.	5.8	17
310	On congruity of nodes and assortative information content in complex networks. Networks and Heterogeneous Media, 2012, 7, 441-461.	1.1	17
311	Numerical Computation of Differential-Algebraic Equations for Non-Linear Dynamics of Multibody Systems Involving Contact Forces. Journal of Mechanical Design, Transactions of the ASME, 2001, 123, 272-281.	2.9	16
312	A study on using uncertain time series matching algorithms for MapReduce applications. Concurrency Computation Practice and Experience, 2013, 25, 1699-1718.	2.2	16
313	Cloud-Based Utility Service Framework for Trust Negotiations Using Federated Identity Management. IEEE Transactions on Cloud Computing, 2017, 5, 290-302.	4.4	16
314	PSO-DS: a scheduling engine for scientific workflow managers. Journal of Supercomputing, 2017, 73, 3924-3947.	3.6	16
315	Cost efficient scheduling of MapReduce applications on public clouds. Journal of Computational Science, 2018, 26, 375-388.	2.9	16
316	Brush like a Dentist: Accurate Monitoring of Toothbrushing via Wrist-Worn Gesture Sensing. , 2019, , .		16
317	Privacy-preserving anomaly detection in the cloud for quality assured decision-making in smart cities. Journal of Parallel and Distributed Computing, 2019, 127, 209-223.	4.1	16
318	Scheduling Periodical Multi-Stage Jobs With Fuzziness to Elastic Cloud Resources. IEEE Transactions on Parallel and Distributed Systems, 2020, 31, 2819-2833.	5.6	16
319	DPoS: Decentralized, Privacy-Preserving, and Low-Complexity Online Slicing for Multi-Tenant Networks. IEEE Transactions on Mobile Computing, 2022, 21, 4296-4309.	5.8	16
320	Scalable hardware-algorithms for binary prefix sums. IEEE Transactions on Parallel and Distributed Systems, 2000, 11, 838-850.	5.6	15
321	A Genetic Algorithm for Finding the Pagenumber of Interconnection Networks. Journal of Parallel and Distributed Computing, 2002, 62, 267-283.	4.1	15
322	Information storage and transfer in the synchronization process in locally-connected networks. , 2011, , .		15
323	Non-clairvoyant Assignment of Bag-of-Tasks Applications Across Multiple Clouds. , 2012, , .		15
324	Fractal self-similarity measurements based clustering technique for SOAP Web messages. Journal of Parallel and Distributed Computing, 2013, 73, 664-676.	4.1	15

#	ARTICLE	IF	CITATIONS
325	MPHC: Preserving Privacy for Workflow Execution in Hybrid Clouds. , 2013, , .		15
326	A QoS-aware controller for Apache Storm. , 2016, , .		15
327	Geographic spatiotemporal big data correlation analysis via the Hilbertâ€"Huang transformation. Journal of Computer and System Sciences, 2017, 89, 130-141.	1.2	15
328	Collective Energy-Efficiency Approach to Data Center Networks Planning. IEEE Transactions on Cloud Computing, 2018, 6, 656-666.	4.4	15
329	Detecting Non-trivial Computation in Complex Dynamics. , 2007, , 895-904.		15
330	Sample Subset Optimization for Classifying Imbalanced Biological Data. Lecture Notes in Computer Science, 2011, , 333-344.	1.3	15
331	Mobility-Aware Offloading and Resource Allocation for Distributed Services Collaboration. IEEE Transactions on Parallel and Distributed Systems, 2022, 33, 2428-2443.	5.6	15
332	Natural and simulated annealing. Computing in Science and Engineering, 2001, 3, 97-99.	1.2	14
333	An energy-efficient permutation routing protocol for single-hop radio networks. IEEE Transactions on Parallel and Distributed Systems, 2004, 15, 331-338.	5.6	14
334	Cellular automata based models of wireless sensor networks. , 2009, , .		14
335	Priority-Based Scheduling for Large-Scale Distribute Systems with Energy Awareness. , 2011, , .		14
336	On Using Pattern Matching Algorithms in MapReduce Applications. , 2011, , .		14
337	A distributed energy saving approach for Ethernet switches in data centers. , 2012, , .		14
338	Data-Intensive Workload Consolidation for the Hadoop Distributed File System. , 2012, , .		14
339	On Modelling and Prediction of Total CPU Usage for Applications in MapReduce Environments. Lecture Notes in Computer Science, 2012, , 414-427.	1.3	14
340	Hopfield neural network for simultaneous job scheduling and data replication in grids. Future Generation Computer Systems, 2013, 29, 1885-1900.	7.5	14
341	Online Multiple Workflow Scheduling under Privacy and Deadline in Hybrid Cloud Environment. , 2014, , .		14
342	Enhancing Availability in Content Delivery Networks for Mobile Platforms. IEEE Transactions on Parallel and Distributed Systems, 2015, 26, 2247-2257.	5.6	14

#	Article	IF	Citations
343	Privacy-Knowledge Modeling for the Internet of Things: A Look Back. Computer, 2016, 49, 60-68.	1.1	14
344	ASSER: An Efficient, Reliable, and Cost-Effective Storage Scheme for Object-Based Cloud Storage Systems. IEEE Transactions on Computers, 2017, 66, 1326-1340.	3.4	14
345	A QoS-Aware Resource Allocation Controller for Function as a Service (FaaS) Platform. Lecture Notes in Computer Science, 2017, , 241-255.	1.3	14
346	Dimensionality Reduction for Intrusion Detection Systems in Multi-data Streamsâ€"A Review and Proposal of Unsupervised Feature Selection Scheme. Emergence, Complexity and Computation, 2017, , 467-487.	0.3	14
347	Request Dispatching for Minimizing Service Response Time in Edge Cloud Systems. , 2018, , .		14
348	A Model Predictive Controller for Managing QoS Enforcements and Microarchitecture-Level Interferences in a Lambda Platform. IEEE Transactions on Parallel and Distributed Systems, 2018, 29, 1442-1455.	5.6	14
349	Prune and Plant: Efficient Placement and Parallelism of Virtual Network Functions. IEEE Transactions on Computers, 2020, 69, 800-811.	3.4	14
350	Function Optimization with Coevolutionary Algorithms. , 2003, , 13-22.		14
351	Efficient robot dynamics for high sampling rate motions: case studies and benchmarks. International Journal of Control, 1991, 54, 793-814.	1.9	13
352	Multiprocessor scheduling using mean-field annealing. Future Generation Computer Systems, 1998, 14, 393-408.	7.5	13
353	Parallel Ant Colony Optimization for 3D Protein Structure Prediction using the HP Lattice Model. , 0, , .		13
354	An Efficient Load Balancing Algorithm for Heterogeneous Grid Systems Considering Desirability of Grid Sites. , 0, , .		13
355	Clustering techniques for dynamic location management in mobile computing. Journal of Parallel and Distributed Computing, 2007, 67, 430-447.	4.1	13
356	A clustering based hybrid system for biomarker selection and sample classification of mass spectrometry data. Neurocomputing, 2010, 73, 2317-2331.	5.9	13
357	Service level agreements (SLAs) parameter negotiation between heterogeneous 4G wireless network operators. Pervasive and Mobile Computing, 2011, 7, 525-544.	3.3	13
358	Optimizing Scientific Workflows in the Cloud: A Montage Example. , 2014, , .		13
359	CloudFlow: A data-aware programming model for cloud workflow applications on modern HPC systems. Future Generation Computer Systems, 2015, 51, 98-110.	7.5	13
360	Advances in Methods and Techniques for Processing Streaming Big Data in Datacentre Clouds. IEEE Transactions on Emerging Topics in Computing, 2016, 4, 262-265.	4.6	13

#	ARTICLE	IF	CITATIONS
361	PTNet: An efficient and green data center network. Journal of Parallel and Distributed Computing, 2017, 107, 3-18.	4.1	13
362	Revenue-Driven Service Provisioning for Resource Sharing in Mobile Cloud Computing. Lecture Notes in Computer Science, 2017, , 625-640.	1.3	13
363	Dynamic resource allocation for an energy efficient VM architecture for cloud computing. , 2018, , .		13
364	NHAD: Neuro-Fuzzy Based Horizontal Anomaly Detection In Online Social Networks. IEEE Transactions on Knowledge and Data Engineering, 2018, , 1-1.	5.7	13
365	A Temporal-Information-Based Adaptive Routing Algorithm for Software Defined Vehicular Networks. , 2019, , .		13
366	A Spatiotemporal Data Summarization Approach for Real-Time Operation of Smart Grid. IEEE Transactions on Big Data, 2020, 6, 624-637.	6.1	13
367	IoTSim-SDWAN: A simulation framework for interconnecting distributed datacenters over Software-Defined Wide Area Network (SD-WAN). Journal of Parallel and Distributed Computing, 2020, 143, 17-35.	4.1	13
368	SPAMI: A cognitive spam protector for advertisement malicious images. Information Sciences, 2020, 540, 17-37.	6.9	13
369	Energy-Efficient Workflow Scheduling Using Container-Based Virtualization in Software-Defined Data Centers. IEEE Transactions on Industrial Informatics, 2020, 16, 7646-7657.	11.3	13
370	SEE. , 2019, , .		13
371	Enhanced Simulated Annealing Technique for the Single-Row Routing Problem. Journal of Supercomputing, 2002, 21, 285-302.	3.6	12
372	A New Genetic Algorithm for Scheduling for Large Communication Delays. Lecture Notes in Computer Science, 2009, , 241-252.	1.3	12
373	Cooperative Web Caching Using Dynamic Interest-Tagged Filtered Bloom Filters. IEEE Transactions on Parallel and Distributed Systems, 2015, 26, 2956-2969.	5.6	12
374	Models for efficient data replication in cloud computing datacenters. , 2015, , .		12
375	ID2S Password-Authenticated Key Exchange Protocols. IEEE Transactions on Computers, 2016, , 1-1.	3.4	12
376	Constructing Performance-Predictable Clusters with Performance-Varying Resources of Clouds. IEEE Transactions on Computers, 2016, 65, 2709-2724.	3.4	12
377	Virtual Network Function Placement: Towards Minimizing Network Latency and Lead Time. , 2017, , .		12
378	Efficient Cloud Provisioning for Video Transcoding: Review, Open Challenges and Future Opportunities. IEEE Internet Computing, 2018, 22, 46-55.	3.3	12

#	Article	IF	Citations
379	Energy and communication aware task mapping for MPSoCs. Journal of Parallel and Distributed Computing, 2018, 121, 71-89.	4.1	12
380	A Sustainable and User-Behavior-Aware Cyber-Physical System for Home Energy Management. ACM Transactions on Cyber-Physical Systems, 2019, 3, 1-24.	2.5	12
381	Stochastic scheduling for variation-aware virtual machine placement in a cloud computing CPS. Future Generation Computer Systems, 2020, 105, 779-788.	7.5	12
382	Stochastic Workload Scheduling for Uncoordinated Datacenter Clouds with Multiple QoS Constraints. IEEE Transactions on Cloud Computing, 2020, 8, 1284-1295.	4.4	12
383	MultiScaler: A Multi-Loop Auto-Scaling Approach for Cloud-Based Applications. IEEE Transactions on Cloud Computing, 2022, 10, 2769-2786.	4.4	12
384	Exploring Layered Container Structure for Cost Efficient Microservice Deployment. , 2021, , .		12
385	Information-Cloning of Scale-Free Networks. , 2007, , 925-935.		12
386	A Simulated Annealing Approach for Mobile Location Management. , 0, , .		11
387	A Secure Triple-Key Management Scheme for Wireless Sensor Networks. , 2006, , .		11
388	A simulation tool for mobility management experiments. International Journal of Pervasive Computing and Communications, 2009, 5, 360-379.	1.3	11
389	A bi-objective hybrid genetic algorithm to minimize energy consumption and makespan for precedence-constrained applications using dynamic voltage scaling. , 2010, , .		11
390	Using genetic algorithm in reconstructing single individual haplotype with minimum error correction. Journal of Biomedical Informatics, 2012, 45, 922-930.	4.3	11
391	Lowest priority first based feasibility analysis of real-time systems. Journal of Parallel and Distributed Computing, 2013, 73, 1066-1075.	4.1	11
392	Farewell State of the Journal Editorial. IEEE Transactions on Computers, 2015, 64, 1-1.	3.4	11
393	vmBBThrPred: A Black-Box Throughput Predictor for Virtual Machines in Cloud Environments. Lecture Notes in Computer Science, 2016, , 18-33.	1.3	11
394	A Decentralized Damage Detection System for Wireless Sensor and Actuator Networks. IEEE Transactions on Computers, 2016, 65, 1363-1376.	3.4	11
395	An energy-efficient virtual machine placement and route scheduling scheme in data center networks. Future Generation Computer Systems, 2017, 77, 1-11.	7.5	11
396	A Dynamic Resource Controller for a Lambda Architecture. , 2017, , .		11

#	Article	IF	Citations
397	From Insight to Impact: Building a Sustainable Edge Computing Platform for Smart Homes. , 2018, , .		11
398	sFog. , 2018, , .		11
399	An Ancillary Services Model for Data Centers and Power Systems. IEEE Transactions on Cloud Computing, 2020, 8, 1176-1188.	4.4	11
400	Deep reinforcement learning-based joint load scheduling for household multi-energy system. Applied Energy, 2022, 324, 119346.	10.1	11
401	Capturing an intruder in product networks. Journal of Parallel and Distributed Computing, 2007, 67, 1018-1028.	4.1	10
402	RBT-L: A location based approach for solving the Multiple Sequence Alignment problem. International Journal of Bioinformatics Research and Applications, 2010, 6, 37.	0.2	10
403	Efficient Energy Management Using Adaptive Reinforcement Learning-Based Scheduling in Large-Scale Distributed Systems. , 2011, , .		10
404	LWiSSy: A domain specific language to model wireless sensor and actuators network systems. , 2013, , .		10
405	Model-driven approach for building efficient Wireless Sensor and Actuator Network applications. , 2013, , .		10
406	The p-index: Ranking Scientists Using Network Dynamics. Procedia Computer Science, 2014, 29, 465-477.	2.0	10
407	A Technique for Efficient Query Estimation over Distributed Data Streams. IEEE Transactions on Parallel and Distributed Systems, 2017, 28, 2770-2783.	5.6	10
408	Dynamic Control of CPU Usage in a Lambda Platform. , 2018, , .		10
409	An Efficient Indexing Approach for Continuous Spatial Approximate Keyword Queries over Geo-Textual Streaming Data. ISPRS International Journal of Geo-Information, 2019, 8, 57.	2.9	10
410	Interpretable Machine Learning In Sustainable Edge Computing: A Case Study of Short-Term Photovoltaic Power Output Prediction. , 2020, , .		10
411	MUSE: A Multi-Tierd and SLA-Driven Deduplication Framework for Cloud Storage Systems. IEEE Transactions on Computers, 2021, 70, 759-774.	3.4	10
412	Gait Recognition as a Service for Unobtrusive User Identification in Smart Spaces. ACM Transactions on Internet of Things, 2020, 1, 1-21.	4.6	10
413	<i>LoRadar</i>. Computer Communication Review, 2020, 50, 10-24.	1.8	10
414	A parallel computing engine for a class of time critical processes. IEEE Transactions on Systems, Man, and Cybernetics, 1997, 27, 774-786.	5.0	9

#	Article	IF	Citations
415	Artificial life techniques for reporting cell planning in mobile computing. , 2002, , .		9
416	A Proactive Non-Cooperative Game-Theoretic Framework for Data Replication in Data Grids. , 2008, , .		9
417	Bio-inspired Algorithms for Mobility Management. Parallel Architectures, Algorithms and Networks (I-SPAN), Proceedings of the International Symposium on, 2008, , .	0.0	9
418	Detecting Threats in Star Graphs. IEEE Transactions on Parallel and Distributed Systems, 2009, 20, 474-483.	5.6	9
419	Energy Efficient Resource Allocation in Large Scale Distributed Systems. , 2010, , .		9
420	MapReduce Implementation of Prestack Kirchhoff Time Migration (PKTM) on Seismic Data. , 2011, , .		9
421	LICA. , 2011, , .		9
422	New Memoryless Online Routing Algorithms for Delaunay Triangulations. IEEE Transactions on Parallel and Distributed Systems, 2012, 23, 1520-1527.	5.6	9
423	Editorial for IEEE Access Special Section on Theoretical Foundations for Big Data Applications: Challenges and Opportunities. IEEE Access, 2016, 4, 5730-5732.	4.2	9
424	RAMSES: A new reference architecture for self-adaptive middleware in Wireless Sensor Networks. Ad Hoc Networks, 2017, 55, 3-27.	5.5	9
425	Cybermatics: Advanced Strategy and Technology for Cyber-Enabled Systems and Applications. Future Generation Computer Systems, 2018, 79, 350-353.	7.5	9
426	Online Inter-Datacenter Service Migrations. IEEE Transactions on Cloud Computing, 2020, 8, 1054-1068.	4.4	9
427	Lightweight Power Monitoring Framework for Virtualized Computing Environments. IEEE Transactions on Computers, 2020, 69, 14-25.	3.4	9
428	Q-Flink: A QoS-Aware Controller for Apache Flink. , 2020, , .		9
429	A time- and cost-optimal algorithm for interlocking sets-with applications. IEEE Transactions on Parallel and Distributed Systems, 1996, 7, 1009-1025.	5.6	8
430	Nonconventional computing paradigms in the new millennium: a roundtable. Computing in Science and Engineering, 2001, 3, 82-99.	1.2	8
431	On the modelling of actuator dynamics and the computation of prescribed trajectories. Computers and Structures, 2002, 80, 605-614.	4.4	8
432	Cellular Programming and Symmetric Key Cryptography Systems. Lecture Notes in Computer Science, 2003, , 1369-1381.	1.3	8

#	Article	IF	Citations
433	EFFICIENT CLUSTERING FOR PARALLEL TASKS EXECUTION IN DISTRIBUTED SYSTEMS. International Journal of Foundations of Computer Science, 2005, 16, 281-299.	1.1	8
434	Evaluation of Overheads in Security Mechanisms in Wireless Sensor Networks. , 2007, , .		8
435	Single-row mapping and transformation of connected graphs. Journal of Supercomputing, 2007, 39, 73-89.	3.6	8
436	Providing QoS guarantees to multiple classes of traffic in wireless sensor networks. , 2008, , .		8
437	A modular kernel approach for integrative analysis of protein domain boundaries. BMC Genomics, 2009, 10, S21.	2.8	8
438	Intelligent scheduling and replication: a synergistic approach. Concurrency Computation Practice and Experience, 2009, 21, 357-376.	2.2	8
439	Information fusion techniques applied to Shared Sensor and Actuator Networks. , 2012, , .		8
440	Just Satisfactory Resource Provisioning for Parallel Applications in the Cloud. , 2012, , .		8
441	Energyâ€efficient task allocation with quality of service provisioning for concurrent applications in multiâ€functional wireless sensor network systems. Concurrency Computation Practice and Experience, 2014, 26, 1869-1888.	2.2	8
442	A Geometric Deployment and Routing Scheme for Directional Wireless Mesh Networks. IEEE Transactions on Computers, 2014, 63, 1323-1335.	3.4	8
443	On Resource Efficiency of Workflow Schedules. Procedia Computer Science, 2014, 29, 534-545.	2.0	8
444	QoS- and Contention- Aware Resource Provisioning in a Stream Processing Engine. , 2017, , .		8
445	vmBBProfiler: a black-box profiling approach to quantify sensitivity of virtual machines to shared cloud resources. Computing (Vienna/New York), 2017, 99, 1149-1177.	4.8	8
446	An Energy-Efficient Storage Strategy for Cloud Datacenters Based on Variable K-Coverage of a Hypergraph. IEEE Transactions on Parallel and Distributed Systems, 2017, 28, 3344-3355.	5.6	8
447	Associative retrieval in spatial big data based on spreading activation with semantic ontology. Future Generation Computer Systems, 2017, 76, 499-509.	7.5	8
448	Offshore oil spill monitoring and detection: Improving risk management for offshore petroleum cyber-physical systems: (Invited paper). , 2017, , .		8
449	A Game of Incentives. , 2018, , .		8
450	DTFA: A Dynamic Threshold-Based Fuzzy Approach for Power-Efficient VM Consolidation. , 2018, , .		8

#	Article	IF	Citations
451	Online Live VM Migration Algorithms to Minimize Total Migration Time and Downtime. , 2019, , .		8
452	Using a GPU to Accelerate a Longwave Radiative Transfer Model with Efficient CUDA-Based Methods. Applied Sciences (Switzerland), 2019, 9, 4039.	2.5	8
453	The Power of ARM64 in Public Clouds. , 2020, , .		8
454	Design and Optimization of Traffic-Aware TSCH Scheduling for Mobile 6TiSCH Networks. , 2021, , .		8
455	MusicID: A Brainwave-Based User Authentication System for Internet of Things. IEEE Internet of Things Journal, 2021, 8, 8304-8313.	8.7	8
456	Federated Learning with Proximal Stochastic Variance Reduced Gradient Algorithms. , 2020, , .		8
457	Adaptive density peaks clustering: Towards exploratory EEG analysis. Knowledge-Based Systems, 2022, 240, 108123.	7.1	8
458	A COMPARISON OF LIST SCHEDULING HEURISTICS FOR COMMUNICATION INTENSIVE TASK GRAPHS. Cybernetics and Systems, 1997, 28, 535-546.	2.5	7
459	Numerical computation of differential-algebraic equations for nonlinear dynamics of multibody android systems in automobile crash simulation. IEEE Transactions on Biomedical Engineering, 1999, 46, 1199-1206.	4.2	7
460	Energy-efficient routing in the broadcast communication model. IEEE Transactions on Parallel and Distributed Systems, 2002, 13, 1201-1210.	5.6	7
461	Effects of Replica Placement Algorithms on Performance of structured Overlay Networks. , 2007, , .		7
462	An Intelligent Replication Framework for Data Grids. , 2007, , .		7
463	A novel swarm based feature selection algorithm in multifunction myoelectric control. Journal of Intelligent and Fuzzy Systems, 2009, 20, 175-185.	1.4	7
464	Hierarchical kernel mixture models for the prediction of AIDS disease progression using HIV structural gp120 profiles. BMC Genomics, 2010, 11, S22.	2.8	7
465	Resource placement in Cartesian product of networks. Journal of Parallel and Distributed Computing, 2010, 70, 481-495.	4.1	7
466	A framework for real time communication in sensor networks. , 2010, , .		7
467	Multispanning Tree Zone-Ordered Label-Based Routing Algorithms for Irregular Networks. IEEE Transactions on Parallel and Distributed Systems, 2011, 22, 817-832.	5.6	7
468	State of the Journal. IEEE Transactions on Computers, 2013, 62, 1-5.	3.4	7

#	Article	IF	Citations
469	ADAPT-POLICY: Task Assignment in Server Farms when the Service Time Distributionof Tasks is Not Known A Priori. IEEE Transactions on Parallel and Distributed Systems, 2014, 25, 851-861.	5.6	7
470	Guest Editorial Special Issue on Big Data Analytics and Management in Internet of Things. IEEE Internet of Things Journal, 2015, 2, 265-267.	8.7	7
471	On Improving Constrained Single and Group Operator Placement Using Evictions in Big Data Environments. IEEE Transactions on Services Computing, 2016, 9, 818-831.	4.6	7
472	MobiContext: A Context-Aware Cloud-Based Venue Recommendation Framework. IEEE Transactions on Cloud Computing, 2017, 5, 712-724.	4.4	7
473	A Multi-Objective Load Balancing System for Cloud Environments. Computer Journal, 0, , .	2.4	7
474	LaCoDa: Layered connected topology for massive data centers. Journal of Network and Computer Applications, 2017, 83, 169-180.	9.1	7
475	LIFE: A predictive approach for VM placement in cloud environments. , 2017, , .		7
476	DCDedupe: Selective Deduplication and Delta Compression with Effective Routing for Distributed Storage. Journal of Grid Computing, 2018, 16, 195-209.	3.9	7
477	Resilient virtual communication networks using multi-commodity flow based local optimal mapping. Journal of Network and Computer Applications, 2018, 110, 43-51.	9.1	7
478	Fingerprint Identification With Shallow Multifeature View Classifier. IEEE Transactions on Cybernetics, 2021, 51, 4515-4527.	9.5	7
479	Power Control Framework for Green Data Centers. IEEE Transactions on Cloud Computing, 2022, 10, 2876-2886.	4.4	7
480	Fully Homomorphic based Privacy-Preserving Distributed Expectation Maximization on Cloud. IEEE Transactions on Parallel and Distributed Systems, 2020, 31, 2668-2681.	5.6	7
481	DS-ADMM++: A Novel Distributed Quantized ADMM to Speed up Differentially Private Matrix Factorization. IEEE Transactions on Parallel and Distributed Systems, 2022, 33, 1289-1302.	5.6	7
482	AutoDiagn: An Automated Real-Time Diagnosis Framework for Big Data Systems. IEEE Transactions on Computers, 2022, 71, 1035-1048.	3.4	7
483	Prediction of Sepsis in COVID-19 Using Laboratory Indicators. Frontiers in Cellular and Infection Microbiology, 2020, 10, 586054.	3.9	7
484	A Productive Duplication-Based Scheduling Algorithm for Heterogeneous Computing Systems. Lecture Notes in Computer Science, 2005, , 203-212.	1.3	7
485	DONE: Distributed Approximate Newton-type Method for Federated Edge Learning. IEEE Transactions on Parallel and Distributed Systems, 2022, , 1-1.	5.6	7
486	A CELL DECOMPOSITION-BASED COLLISION AVOIDANCE ALGORITHM FOR ROBOT MANIPULATORS. Cybernetics and Systems, 1998, 29, 113-135.	2.5	6

#	Article	IF	Citations
487	Application of Cellular Automata for Cryptography. Lecture Notes in Computer Science, 2004, , 447-454.	1.3	6
488	A Grid Scheduling Algorithm for Bag-of-Tasks Applications Using Multiple Queues with Duplication. , 0, , .		6
489	A parallel island-based hybrid genetic algorithm for precedence-constrained applications to minimize energy consumption and makespan. , 2010, , .		6
490	Task assignment in multiple server farms using preemptive migration and flow control. Journal of Parallel and Distributed Computing, 2011, 71, 1608-1621.	4.1	6
491	Performance modeling of Cartesian product networks. Journal of Parallel and Distributed Computing, 2011, 71, 105-113.	4.1	6
492	Automatic and Autonomous Load Management in Peer-to-Peer Virtual Environments. IEEE Journal on Selected Areas in Communications, 2013, 31, 310-324.	14.0	6
493	Virt-B: Towards Performance Benchmarking of Virtual Machine Systems. IEEE Internet Computing, 2014, 18, 64-72.	3.3	6
494	Towards understanding the runtime configuration management of do-it-yourself content delivery network applications over public clouds. Future Generation Computer Systems, 2014, 37, 297-308.	7.5	6
495	A Memetic Algorithm for Dynamic Shortest Path Routing on Mobile Ad-hoc Networks. , 2015, , .		6
496	RAMP: reliability-aware elastic instance provisioning for profit maximization. Journal of Supercomputing, 2015, 71, 4529-4554.	3.6	6
497	Guest Editorial on Advances in Tools and Techniques for Enabling Cyberâ€"Physicalâ€"Social Systemsâ€"Part I. IEEE Transactions on Computational Social Systems, 2015, 2, 38-40.	4.4	6
498	Cloud Computing for VLSI Floorplanning Considering Peak Temperature Reduction. IEEE Transactions on Emerging Topics in Computing, 2015, 3, 534-543.	4.6	6
499	Application-Agnostic Power Monitoring in Virtualized Environments. , 2017, , .		6
500	Computing Hierarchical Summary from Two-Dimensional Big Data Streams. IEEE Transactions on Parallel and Distributed Systems, 2018, 29, 803-818.	5.6	6
501	An Input-to-State Stability-Based Load Restoration Approach for Isolated Power Systems. Energies, 2018, 11, 597.	3.1	6
502	Detection of SLA Violation for Big Data Analytics Applications in Cloud. IEEE Transactions on Computers, 2021, 70, 746-758.	3.4	6
503	Secure Lightweight Stream Data Outsourcing for Internet of Things. IEEE Internet of Things Journal, 2021, 8, 10815-10829.	8.7	6
504	Some Properties of WK-Recursive and Swapped Networks. Lecture Notes in Computer Science, 2007, , 856-867.	1.3	6

#	ARTICLE	IF	CITATIONS
505	A Taxonomy of Evolutionary Inspired Solutions for Energy Management in Green Computing: Problems and Resolution Methods. Studies in Computational Intelligence, 2012, , 215-233.	0.9	6
506	Proposing a Secure Self-Fining Vehicle Using Blockchain and Vehicular Edge Computing. IEEE Consumer Electronics Magazine, 2022, 11, 28-35.	2.3	6
507	Adaptive Processor Frequency Adjustment for Mobile-Edge Computing With Intermittent Energy Supply. IEEE Internet of Things Journal, 2022, 9, 7446-7462.	8.7	6
508	fgSpMSpV: A Fine-grained Parallel SpMSpV Framework on HPC Platforms. ACM Transactions on Parallel Computing, 2022, 9, 1-29.	1.4	6
509	A parallel collision-avoidance algorithm for robot manipulators. IEEE Concurrency, 1998, 6, 68-78.	0.8	5
510	Some observations on using meta-heuristics for efficient location management in mobile computing networks. Journal of Parallel and Distributed Computing, 2003, 63, 33-44.	4.1	5
511	OSCAR - an opportunistic call admission protocol for LEO satellite networks. , 2004, , .		5
512	A Novel Quartet-Based Method for Phylogenetic Inference. , 0, , .		5
513	An Interoperability Framework for Sensor and UMTS Networks. , 2007, , .		5
514	RBT-I: A novel approach for solving the Multiple Sequence Alignment problem. , 2008, , .		5
515	Performance enhancement through hybrid replication and Genetic Algorithm co-scheduling in data grids. , 2008, , .		5
516	Keynote: Energy-Aware Scheduling and Resource Allocation for Large-Scale Distributed Systems. , 2009, , .		5
517	ADREA: A Framework for Adaptive Resource Allocation in Distributed Computing Systems. , 2010, , .		5
518	Fuzzy online location management in mobile computing environments. Journal of Parallel and Distributed Computing, 2011, 71, 1142-1153.	4.1	5
519	VLOCI2. , 2011, , .		5
520	A PARALLEL METAHEURISTIC FRAMEWORK BASED ON HARMONY SEARCH FOR SCHEDULING IN DISTRIBUTED COMPUTING SYSTEMS. International Journal of Foundations of Computer Science, 2012, 23, 445-464.	1.1	5
521	Stretch Out and Compact: Workflow Scheduling with Resource Abundance. , 2013, , .		5
522	A Fully Distributed Scheme for Discovery of Semantic Relationships. IEEE Transactions on Services Computing, 2013, 6, 457-469.	4.6	5

#	Article	IF	Citations
523	Local Resource Shaper for MapReduce. , 2014, , .		5
524	Virtual Machine Level Temperature Profiling and Prediction in Cloud Datacenters. , 2016, , .		5
525	Cost-Effective Processing in Fog-Integrated Internet of Things Ecosystems. , 2017, , .		5
526	Reduction of Artefacts in JPEG-XR Compressed Images. Sensors, 2019, 19, 1214.	3.8	5
527	Efficient threshold password-authenticated secret sharing protocols for cloud computing. Journal of Parallel and Distributed Computing, 2019, 128, 57-70.	4.1	5
528	A distributed incremental information acquisition model for large-scale text data. Cluster Computing, 2019, 22, 2383-2394.	5.0	5
529	Shadow-Chain: A Decentralized Storage System for Log Data. IEEE Network, 2020, 34, 68-74.	6.9	5
530	Buoy Sensor Cyberattack Detection in Offshore Petroleum Cyber-Physical Systems. IEEE Transactions on Services Computing, 2020, 13, 653-662.	4.6	5
531	Accelerating fingerprint identification using FPGA for large-scale applications. Journal of Parallel and Distributed Computing, 2020, 141, 35-48.	4.1	5
532	Ultra-Dense Networks: A Holistic Analysis of Multi-Piece Path Loss, Antenna Heights, Finite Users and BS Idle Modes. IEEE Transactions on Mobile Computing, 2021, 20, 1702-1713.	5.8	5
533	Online Scheduling Technique To Handle Data Velocity Changes in Stream Workflows. IEEE Transactions on Parallel and Distributed Systems, 2021, 32, 2115-2130.	5.6	5
534	Impact of Voltage Levels Number for Energy-Aware Bi-objective DAG Scheduling for Multi-processors Systems. Communications in Computer and Information Science, 2012, , 70-80.	0.5	5
535	The Limit of Horizontal Scaling in Public Clouds. ACM Transactions on Modeling and Performance Evaluation of Computing Systems, 2020, 5, 1-22.	0.9	5
536	Latency and Energy-Aware Load Balancing in Cloud Data Centers: A Bargaining Game Based Approach. IEEE Transactions on Cloud Computing, 2023, 11, 927-941.	4.4	5
537	Data-Intensive Workload Consolidation in Serverless (Lambda/FaaS) Platforms. , 2021, , .		5
538	Adversarial Evolving Neural Network for Longitudinal Knee Osteoarthritis Prediction. IEEE Transactions on Medical Imaging, 2022, 41, 3207-3217.	8.9	5
539	Parallel processing for robot dynamics computations. Parallel Computing, 1995, 21, 649-668.	2.1	4
540	Computing robot Jacobians on meshes with multiple buses. Microprocessors and Microsystems, 1999, 23, 309-324.	2.8	4

#	Article	IF	Citations
541	Secret key cryptography with cellular automata. , 0, , .		4
542	An efficient parallel prefix sums architecture with domino logic. IEEE Transactions on Parallel and Distributed Systems, 2003, 14, 922-931.	5.6	4
543	A BLAST Service Built on Data Indexed Overlay Network. , 0, , .		4
544	Data Sharing Pattern Aware Scheduling on Grids. , 0, , .		4
545	Scaling up Genome Similarity Search Services through Content Distribution. , 2007, , .		4
546	On the provisioning of guaranteed QoS in wireless sensor networks through limited service polling models. , 2008, , .		4
547	Analysis of protein phosphorylation site predictors with an independent dataset. International Journal of Bioinformatics Research and Applications, 2009, 5, 20.	0.2	4
548	EvolvingSpace: A Data Centric Framework for Integrating Bioinformatics Applications. IEEE Transactions on Computers, 2010, 59, 721-734.	3.4	4
549	On the Effect of Using Third-Party Clouds for Maximizing Profit. Lecture Notes in Computer Science, 2010, , 381-390.	1.3	4
550	Midpoint routing algorithms for Delaunay triangulations. , 2010, , .		4
551	Reliable workflow execution in distributed systems for cost efficiency. , 2010, , .		4
552	Tree-based double-covered broadcast for wireless ad hoc networks. , 2011, , .		4
553	Using semantic Web to build and execute ad-hoc processes. , 2011, , .		4
554	Non-intrusive Slot Layering in Hadoop. , 2013, , .		4
555	NC-CELL: Network coding-based content distribution in cellular networks for cloud applications. , 2014, , .		4
556	Associative Big Data Sharing in Community Clouds: The MeePo Approach. IEEE Cloud Computing, 2015, 2, 64-73.	3.9	4
557	Price Elasticity in the Enterprise Computing Resource Market. IEEE Cloud Computing, 2016, 3, 24-31.	3.9	4
558	Genetic algorithm in finding Pareto frontier of optimizing data transfer versus job execution in grids. Concurrency Computation Practice and Experience, 2016, 28, 1715-1736.	2.2	4

#	Article	IF	Citations
559	An online greedy allocation of VMs with non-increasing reservations in clouds. Journal of Supercomputing, 2016, 72, 371-390.	3.6	4
560	CtrlCloud: Performance-Aware Adaptive Control for Shared Resources in Clouds. , 2017, , .		4
561	3D-DAG: A High Performance DAG Network with Eventual Consistency and Finality. , 2018, , .		4
562	A Cache Enhanced Endorser Design for Mitigating Performance Degradation in Hyperledger Fabric. , 2018, , .		4
563	Modeling System-Level Power Consumption Profiles Using RAPL. , 2018, , .		4
564	A Communication-Aware Energy-Efficient Graph-Coloring Algorithm for VM Placement in Clouds. , 2018, , .		4
565	Scalable Video Transcoding in Public Clouds. , 2019, , .		4
566	DyBatch: Efficient Batching and Fair Scheduling for Deep Learning Inference on Time-sharing Devices. , 2020, , .		4
567	BaPa: A Novel Approach of Improving Load Balance in Parallel Matrix Factorization for Recommender Systems. IEEE Transactions on Computers, 2021, 70, 789-802.	3.4	4
568	Incentive-Driven Proactive Application Deployment and Pricing on Distributed Edges. IEEE Transactions on Mobile Computing, 2023, 22, 951-967.	5.8	4
569	Building an Online Defect Detection System for Large-scale Photovoltaic Plants. , 2019, , .		4
570	In Memoriam Eliezer Dekel (1948-2020). ACM Computing Surveys, 2020, 53, 1-2.	23.0	4
571	Information Transfer by Particles in Cellular Automata. , 2007, , 49-60.		4
572	A NEURAL NETWORK APPROACH TO ON-LINE IDENTIFICATION OF NONLINEAR SYSTEMS. Cybernetics and Systems, 1993, 24, 171-195.	2.5	3
573	Extraction and computation of identifiable parameters in robot dynamic models: theory and application. IET Control Theory and Applications, 1994, 141, 48-56.	1.7	3
574	Numerical Computation of Differential-Algebraic Equations for the Approximation of Artificial Satellite Trajectories and Planetary Ephemerides. Journal of Applied Mechanics, Transactions ASME, 2000, 67, 574-580.	2.2	3
575	On the Dynamic Initialization of Parallel Computers. Journal of Supercomputing, 2000, 15, 5-24.	3.6	3
576	An Artificial Immune System for Heterogeneous Multiprocessor Scheduling with Task Duplication. , 2007, , .		3

#	Article	IF	Citations
577	Mobile computing: Opportunities for optimization research. Computer Communications, 2007, 30, 670-684.	5.1	3
578	Nature-inspired distributed computing. Computer Communications, 2007, 30, 653-655.	5.1	3
579	INTRUDER CAPTURING IN MESH AND TORUS NETWORKS. International Journal of Foundations of Computer Science, 2008, 19, 1049-1071.	1.1	3
580	Interweaving heterogeneous metaheuristics using harmony search. , 2009, , .		3
581	A General Methodology for Routing in Irregular Networks. , 2009, , .		3
582	A general methodology for direction-based irregular routing algorithms. Journal of Parallel and Distributed Computing, 2010, 70, 363-370.	4.1	3
583	Dynamic Job-Clustering with Different Computing Priorities for Computational Resource Allocation. , 2010, , .		3
584	Efficient Resource Selection Algorithm for Enterprise Grid Systems. , 2011, , .		3
585	ON THE PERFORMANCE OF STATIC AND DYNAMIC LOCATION MANAGEMENT STRATEGIES IN MOBILE COMPUTING. International Journal of Foundations of Computer Science, 2011, 22, 519-546.	1.1	3
586	Backfilling under Two-tier Virtual Machines. , 2012, , .		3
587	Network Load Analysis and Provisioning of MapReduce Applications. , 2012, , .		3
588	Combining analytic kernel models for energy-efficient data modeling and classification. Journal of Supercomputing, 2013, 63, 790-799.	3.6	3
589	Throughput Enhancement through Selective Time Sharing and Dynamic Grouping. , 2013, , .		3
590	Performance Metrics for Data Center Communication Systems. , 2015, , .		3
591	A Framework for Implementing Asynchronous Replication Scheme in Utility-Based Computing Environment. , 2015, , .		3
592	Guest Editorial on Advances in Tools and Techniques for Enabling Cyber–Physical–Social Systems—Part II. IEEE Transactions on Computational Social Systems, 2015, 2, 124-126.	4.4	3
593	QoS-aware resource allocation for stream processing engines using priority channels. , 2017, , .		3
594	On the performance of greedy forwarding on Yao and Theta graphs. Journal of Parallel and Distributed Computing, 2018, 117, 87-97.	4.1	3

#	Article	IF	Citations
595	G-ML-Octree: An Update-Efficient Index Structure for Simulating 3D Moving Objects Across GPUs. IEEE Transactions on Parallel and Distributed Systems, 2018, 29, 1075-1088.	5.6	3
596	D^{3} : A Dynamic Dual-Phase Deduplication Framework for Distributed Primary Storage. IEEE Transactions on Computers, 2018, 67, 193-207.	3.4	3
597	Server Consolidation in Cloud Computing. , 2018, , .		3
598	Editorial for Special Issue of Journal of Big Data Research on â€œBig Medical/Healthcare Data Analyticsâ€•. Big Data Research, 2018, 13, 1-2.	4.2	3
599	Data Stream Processing at Network Edges. , 2018, , .		3
600	SmartDBO: Smart Docker Benchmarking Orchestrator for Web-application. , 2019, , .		3
601	Disk Throughput Controller for Cloud Data-Centers. , 2019, , .		3
602	Towards a Data-Driven Symbiosis of Agriculture and Photovoltaics. , 2019, , .		3
603	A general purpose contention manager for software transactions on the GPU. Journal of Parallel and Distributed Computing, 2020, 139, 1-17.	4.1	3
604	Developing Practical Multi-view Learning for Clinical Analytics in P4 Medicine. IEEE Transactions on Emerging Topics in Computing, 2021, , 1-1.	4.6	3
605	LR-GD-RNS: Enhanced Privacy-Preserving Logistic Regression Algorithms for Secure Deployment in Untrusted Environments. , 2021, , .		3
606	Towards Minimizing the R Metric for Measuring Network Robustness. IEEE Transactions on Network Science and Engineering, 2021, 8, 3290-3302.	6.4	3
607	Resource Allocation and Task Scheduling in the Cloud of Sensors. Studies in Systems, Decision and Control, 2019, , 265-305.	1.0	3
608	A Time-space Efficient Algorithm for Parallel k -way In-place Merging based on Sequence Partitioning and Perfect Shuffle. ACM Transactions on Parallel Computing, 2020, 7, 1-23.	1.4	3
609	Spatial-Keyword Skyline Publish/Subscribe Query Processing Over Distributed Sliding Window Streaming Data. IEEE Transactions on Computers, 2022, 71, 2659-2674.	3.4	3
610	TRABAC: A Tokenized Role-Attribute Based Access Control using Smart Contract for Supply Chain Applications. , 2021, , .		3
611	Federated Clouds for Efficient Multitasking in Distributed Artificial Intelligence Applications. IEEE Transactions on Cloud Computing, 2023, 11, 2084-2095.	4.4	3
612	Evaluation Mechanism for Decentralized Collaborative Pattern Learning in Heterogeneous Vehicular Networks. IEEE Transactions on Intelligent Transportation Systems, 2023, 24, 13123-13132.	8.0	3

#	ARTICLE	IF	CITATIONS
613	Efficient and Secure Deep Learning Inference in Trusted Processor Enabled Edge Clouds. IEEE Transactions on Parallel and Distributed Systems, 2022, 33, 4311-4325.	5.6	3
614	Note on the Hankel matrix. Electronics Letters, 1991, 27, 362.	1.0	2
615	Highly efficient transputer arrays for the computation of robot dynamics. Concurrency and Computation: Practice and Experience, 1992, 4, 185-205.	0.5	2
616	Transputer arrays for the on-line computation of robot jacobians. Concurrency and Computation: Practice and Experience, 1992, 4, 399-412.	0.5	2
617	ON THE COLLISION DETECTION PROBLEM FOR ROBOT MANIPULATORS. Cybernetics and Systems, 1995, 26, 189-210.	2.5	2
618	An error-learning neural network for the tuning of robot dynamic models. International Journal of Systems Science, 1995, 26, 13-31.	5.5	2
619	Time-Optimal Proximity Graph Computations on Enhanced Meshes. Journal of Parallel and Distributed Computing, 1998, 49, 204-217.	4.1	2
620	Parallel and distributed computing with coevolutionary algorithms. , 2002, , .		2
621	Mobile computing: opportunities for parallel algorithms research. , 2002, , .		2
622	The use of the simulated annealing algorithm for channel allocation in mobile computing. Wireless Communications and Mobile Computing, 2003, 3, 239-253.	1.2	2
623	Evidence of Multiple Maximum Likelihood Points for a Phylogenetic Tree. , 2006, , .		2
624	Lability of Antiretroviral Drug Resistance Mutations - Correlates with Immunological and Virological Responses. Current HIV Research, 2007, 5, 430-439.	0.5	2
625	BIO-INSPIRED ALGORITHMS FOR MOBILITY MANAGEMENT. Journal of Interconnection Networks, 2009, 10, 497-516.	1.0	2
626	Editorial for special issue ofÂTelecommunication Systems onÂâ€œMobility management and wireless accessâ€. Telecommunication Systems, 2009, 42, 163-164.	2.5	2
627	Quality of security through triple key scheme in wireless sensor networks. Wireless Communications and Mobile Computing, 2010, 10, 722-732.	1.2	2
628	A voting scheme to improve the secondary structure prediction. , 2010, , .		2
629	Security for QoS assured wireless and mobile networks. Security and Communication Networks, 2011, 4, 239-241.	1.5	2
630	Energy-efficient three-phase task scheduling heuristic for supporting distributed applications in cyber-physical systems. , 2012, , .		2

#	Article	IF	Citations
631	Practical assessment of remotely communicated end-point servers of leading web crawlers. , 2012, , .		2
632	On graphs supporting greedy forwarding for directional wireless networks. , 2012, , .		2
633	A Pareto Frontier for Optimizing Data Transfer and Job Execution in Grids. , 2012, , .		2
634	State of the Journal. IEEE Transactions on Computers, 2012, 61, 1-2.	3.4	2
635	Characterization of essential proteins based on network topology in proteins interaction networks. , 2014, , .		2
636	Fuzzy modeling to predict performance of collocated virtual machines in private clouds. , 2014, , .		2
637	Middleware Platforms: State of the Art, New Issues, and Future Trends. Signals and Communication Technology, 2014, , 645-674.	0.5	2
638	Home Fog Server: Taking Back Control from the Cloud. , 2016, , .		2
639	Joint Rate and Queue Based Routing for Vehicular Ad-Hoc Networks. , 2016, , .		2
640	SLA-Aware Resource Scaling for Energy Efficiency. , 2016, , .		2
641	GROWN. , 2017, , .		2
642	Editorial: special issue on â€œbig data security and privacyâ€. Digital Communications and Networks, 2017, 3, 211-212.	5.0	2
643	Model-Based Scheduling for Stream Processing Systems. , 2017, , .		2
644	Energy-efficient tailoring of VM size and tasks in cloud data centers. , 2017, , .		2
645	On the Communication Variability Analysis of the NeCTAR Research Cloud System. IEEE Systems Journal, 2018, 12, 1506-1517.	4.6	2
646	Ins and Outs. , 2018, , .		2
647	A Network-aware and Partition-based Resource Management Scheme for Data Stream Processing. , 2019, , .		2
648	Editorial for the special issue on big time series data. Computing (Vienna/New York), 2020, 102, 741-743.	4.8	2

#	Article	IF	Citations
649	Optimizing the Maximum Vertex Coverage Attacks Under Knapsack Constraint. IEEE/ACM Transactions on Networking, 2021, 29, 1088-1104.	3.8	2
650	Cloud Storage over Multiple Data Centers. , 2015, , 691-725.		2
651	On Cloud Spot Market: An Overview of the Research. Lecture Notes in Computer Science, 2015, , 46-61.	1.3	2
652	The Single Row Routing Problem Revisited: A Solution Based on Genetic Algorithms. VLSI Design, 2002, 14, 123-141.	0.5	2
653	Capturing an Intruder in Product Networks. Lecture Notes in Computer Science, 2006, , 193-204.	1.3	2
654	Energy Efficiency Metrics for Data Centers. , 0, , 245-269.		2
655	Energy and Security Awareness in Evolutionary-Driven Grid Scheduling. Studies in Computational Intelligence, 2013, , 95-138.	0.9	2
656	IoTWC: Analytic Hierarchy Process Based Internet of Things Workflow Composition System. , 2020, , .		2
657	An Adaptive Multi-objective Salp Swarm Algorithm for Efficient Demand Side Management. , 2020, , .		2
658	Throughput Maximization in Low-Power IoT Networks via Tuning the Size of the TSCH Slotframe. , 2021, , .		2
659	Dynamic Parallel Flow Algorithms With Centralized Scheduling for Load Balancing in Cloud Data Center Networks. IEEE Transactions on Cloud Computing, 2023, 11, 1050-1064.	4.4	2
660	A Dynamic Resource Controller for Resolving Quality of Service Issues in Modern Streaming Processing Engines. , 2020, , .		2
661	Managing Heterogeneous and Time-Sensitive IoT Applications through Collaborative and Energy-Aware Resource Allocation. ACM Transactions on Internet of Things, 2022, 3, 1-28.	4.6	2
662	Transputer applications in robotics for dynamic modelling and path planning. Microprocessors and Microsystems, 1990, 14, 565-572.	2.8	1
663	A Distributed–Processing Approach for Robot Dynamics Tuning. Robotica, 1992, 10, 509-520.	1.9	1
664	On the fast simulation of Direct and Inverse Jacobians for robot manipulators. Robotics and Autonomous Systems, 1992, 10, 43-61.	5.1	1
665	ON THE AUTOMATIC GENERATION OF EFFICIENT COMPUTATIONAL MODELS. Cybernetics and Systems, 1995, 26, 59-78.	2.5	1
666	Randomized reinforcement based scheduling in parallel processor systems. , 0, , .		1

#	Article	IF	Citations
667	Energy-efficient deterministic routing protocols in radio networks. , 0, , .		1
668	Discovery of parallel scheduling algorithms in cellular automata - based systems. , 0, , .		1
669	The computation of constrained dynamical systems: matching physical modeling with numerical methods. Computing in Science and Engineering, 2001, 3, 28-36.	1.2	1
670	SCHEDULING: THEORY AND APPLICATIONS: Guest Editor's Preface. International Journal of Foundations of Computer Science, 2001, 12, 559-564.	1.1	1
671	Fault-Tolerant Recursive Least-Squares Computations on a Mesh-Connected Parallel Processor. Journal of Parallel and Distributed Computing, 2002, 62, 1142-1167.	4.1	1
672	Some results on the computation of Voronoi diagrams on a mesh with multiple broadcasting. Journal of Parallel and Distributed Computing, 2003, 63, 1300-1314.	4.1	1
673	MOBILE COMPUTING: OPPORTUNITIES FOR PARALLEL ALGORITHMS RESEARCH. International Journal of Foundations of Computer Science, 2003, 14, 19-37.	1.1	1
674	An efficient channel allocation scheme for cellular network using maximum channel packing. Wireless Communications and Mobile Computing, 2004, 4, 683-692.	1.2	1
675	Modeling external network behavior by using internal measurements. Journal of Parallel and Distributed Computing, 2004, 64, 1345-1359.	4.1	1
676	Titan. , 2006, , .		1
677	Parallel implementation of a quartet-based algorithm for phylogenetic analysis. , 2006, , .		1
678	Inferring Boundary Information of Discontinuous-Domain Proteins. IEEE Transactions on Nanobioscience, 2008, 7, 200-205.	3.3	1
679	Hybrid intelligent methods for solving the mobility management problem. , 2008, , .		1
680	Resource-centric task allocation in grids with artificial danger model support. Parallel and Distributed Processing Symposium (IPDPS), Proceedings of the International Conference on, 2008, , .	1.0	1
681	A Decentralized Method for Scaling Up Genome Similarity Search Services. IEEE Transactions on Parallel and Distributed Systems, 2009, 20, 303-315.	5.6	1
682	RBT-Km: K-Means clustering for Multiple Sequence Alignment. , 2010, , .		1
683	SVM-enabled prognostic method for clinical decision making: The use of CD4 T-cell level and HIV-1 viral load for guiding treatment initiation and alteration. , 2010, , .		1
684	An Energy-Efficient Kernel Framework for Large-Scale Data Modeling and Classification. , 2011, , .		1

#	Article	IF	Citations
685	FIS-PNN: A hybrid computational method for protein-protein interaction prediction. , 2011, , .		1
686	State of the Journal. IEEE Transactions on Computers, 2011, 60, 2-2.	3.4	1
687	Identifying Hub Proteins and Their Essentiality from Protein-protein Interaction Network. , 2011, , .		1
688	Finding lower bounds of localization with noisy measurements using genetic algorithms. , 2011, , .		1
689	Using Simulated Annealing to Find Lower Bounds of Localization with Noisy Measurements. , 2012, , .		1
690	Paralleled Genetic Algorithm for Solving the Knapsack Problem in the Cloud. , 2012, , .		1
691	Variation-Aware Layer Assignment With Hierarchical Stochastic Optimization on a Multicore Platform. IEEE Transactions on Emerging Topics in Computing, 2014, 2, 488-500.	4.6	1
692	Ranking scientists from the field of quantum game theory using p-index. , 2014, , .		1
693	How well do Yao graph and theta graph support Greedy forwarding?. , 2014, , .		1
694	Crowdware: A Framework for GPU-Based Public-Resource Computing with Energy-Aware Incentive Mechanism. , 2015, , .		1
695	Inline Data Deduplication for SSD-Based Distributed Storage. , 2015, , .		1
696	Security and Dependability of Cloud-Assisted Internet of Things. IEEE Cloud Computing, 2016, 3, 24-26.	3.9	1
697	Guest Editorial Leveraging Design Automation Techniques for Cyber-Physical System Design. IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems, 2016, 35, 697-698.	2.7	1
698	Managing Performance Degradation of Collocated Virtual Machines in Private Cloud. , 2016, , .		1
699	A Model Predictive Controller for Contention-Aware Resource Allocation in Virtualized Data Centers. , 2016, , .		1
700	Message from the CIT 2016 General Chairs. , 2016, , .		1
701	adCFS: Adaptive completely fair scheduling policy for containerised workflows systems. , 2017, , .		1
702	A resource allocation controller for key-value data stores. , 2017, , .		1

#	Article	IF	Citations
703	AWEDF: An Architecture-Aware Execution and Debugging Workflow for a Highly Reliable Chip. , 2017, , .		1
704	Parallel optimization using/for multi and many-core high performance computing. Journal of Parallel and Distributed Computing, 2018, 112, 109-110.	4.1	1
705	An Indexing Approach for Efficient Supporting of Continuous Spatial Approximate Keyword Queries. , 2018, , .		1
706	SLOPE: A Self Learning Optimization and Prediction Ensembler for Task Scheduling. , 2018, , .		1
707	Janus: A Generic QoS Framework for Software-as-a-Service Applications. , 2018, , .		1
708	Decentralized Admission Control for High-Throughput Key-Value Data Stores. , 2018, , .		1
709	Elastic CPU Cap Mechanism for Timely Dataflow Applications. Lecture Notes in Computer Science, 2018, , 554-568.	1.3	1
710	GoSharing: An intelligent incentive framework based on users' association for cooperative content sharing in mobile edge networks. Future Generation Computer Systems, 2019, 95, 601-614.	7.5	1
711	Keynote 2: Resource Management in Edge Computing: Opportunities and Open Issues. , 2019, , .		1
712	MARA: Mobility-Aware Rate Adaptation for Low Power IoT Networks Using Game Theory. , 2019, , .		1
713	Accelerating on-device DNN inference during service outage through scheduling early exit. Computer Communications, 2020, 162, 69-82.	5.1	1
714	Realising Edge Analytics for Early Prediction of Readmission: A Case Study. , 2020, , .		1
715	Graceful Performance Degradation in Apache Storm. Lecture Notes in Computer Science, 2021, , 389-400.	1.3	1
716	PrivGait: An Energy Harvesting-based Privacy-Preserving User Identification System by Gait Analysis. IEEE Internet of Things Journal, 2021, , 1-1.	8.7	1
717	Game-Theoretic Optimization of the TSCH Scheduling Function for Low-Power IoT Networks. , 2021, , .		1
718	Online Energy Management under Uncertainty for Net-Zero Energy Ecosystems. , 2021, , .		1
719	Immune System Support for Scheduling. Advanced Information and Knowledge Processing, 2008, , 247-270.	0.3	1
720	Resource Allocation for Energy Efficient Large-Scale Distributed Systems. Communications in Computer and Information Science, 2010, , 16-19.	0.5	1

#	Article	IF	Citations
721	Simulated Annealing Techniques. Chapman & Hall/CRC Applied Algorithms and Data Structures Series, 1998, , .	0.1	1
722	A Structured Tabu Search Approach for Scheduling in Parallel Computing Systems. , 2010, , 354-377.		1
723	Efficient Hierarchical Task Scheduling on GRIDS Accounting for Computation and Communications. Studies in Computational Intelligence, 2011, , 25-47.	0.9	1
724	QSpark: Distributed Execution of Batch & Streaming Analytics in Spark Platform. , 2021, , .		1
725	Energy efficient resource controller for Apache Storm. Concurrency Computation Practice and Experience, 2023, 35, .	2.2	1
726	FastSlowMo: Federated Learning With Combined Worker and Aggregator Momenta. IEEE Transactions on Artificial Intelligence, 2022, , 1-10.	4.7	1
727	Comparison of parallel computation schemes for calculating robot Jacobians. Mechatronics, 1993, 3, 107-118.	3.3	0
728	SYMBOLIC COMPUTATION OF ROBOT DYNAMIC PARAMETERS. Cybernetics and Systems, 1994, 25, 697-727.	2.5	0
729	Parallel processing for embedded robot dynamics computations. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1994, 27, 277-281.	0.4	0
730	HIGH-PERFORMANCE COMPUTING FOR ROBOT DYNAMIC PARAMETERS LEARNING. Cybernetics and Systems, 1994, 25, 421-446.	2.5	0
731	A Mean-Field Annealing Model for the Single-Row Routing Problem. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1997, 30, 543-548.	0.4	0
732	Bio-inspired solutions to parallel processing problems. Future Generation Computer Systems, 1998, 14, 271-273.	7.5	0
733	DNA-based computation. Computing in Science and Engineering, 2001, 3, 94-96.	1.2	0
734	Parallel and nature-inspired computational paradigms and applications. Parallel Computing, 2004, 30, 551-552.	2.1	0
735	A Brief Overview of Grid Activities for Bioinformatics and Health Applications. , 2005, , 487-508.		0
736	Welcome Message from the Workshop on Performance and Management of Wireless and Mobile Networks Co-chairs. , 2005, , .		0
737	Message from the HiPCoMB-2005 Chairs. , 2005, , .		0
738	Design and performance of networks for super-, cluster-, and grid-computing: Part II. Journal of Parallel and Distributed Computing, 2005, 65, 1301-1304.	4.1	0

#	Article	IF	Citations
739	GUEST EDITORIAL: NATURE-INSPIRED DISTRIBUTED COMPUTING. International Journal of Foundations of Computer Science, 2005, 16, 239-240.	1.1	0
740	Message from the PEN-PCGCS Workshop Co-chairs. , 2006, , .		0
741	IEEE 802.11 networks with dormant mode support. , 2006, , .		0
742	Dynamic mobility management. , 2007, , .		0
743	Investigation of Relationships among Excavate Taxa Using a New Quartet-Based Phylogenetic Analysis Method. , 2007, , .		0
744	6th International Workshop on Performance Modeling, Evaluation, and Optimization of Parallel and Distributed Systems (PMEO-PDS'07). , 2007, , .		0
745	Fundamental Tools for Mathematical Computing. , 0, , 13-55.		0
746	Numerical Interface Designs. , 0, , 56-95.		0
747	Curve Visualization. , 0, , 96-126.		0
748	A Novel Algorithm for Adaptive and Neutral Evolutionary Patterns Associated with HIV Drug Resistance. , 2007, , .		0
749	Distributing Genome Sequence Databases with a Publish/Subscribe Middleware. , 2007, , .		0
750	Data Syndication Techniques for Bioinformatics Applications. , 0, , 157-177.		0
751	Nature Inspired Distributed Computing (NIDISC’08). , 2008, , .		0
752	Adaptive Locality-Effective Kernel Machine for protein phosphorylation site prediction. Parallel and Distributed Processing Symposium (IPDPS), Proceedings of the International Conference on, 2008, , .	1.0	0
753	7th international workshop on Performance Modeling, Evaluation, and Optimization of Ubiquitous Computing and Networked Systems (PMEO-UCNS&#x2019;08). , 2008, , .		0
754	10th workshop on Advances in Parallel and Distributed Computational Models - APDCM'08: Foreword. , 2008, , .		0
755	Inference of large-scale structural features of gene regulation networks using genetic algorithms. Parallel and Distributed Processing Symposium (IPDPS), Proceedings of the International Conference on, 2008, , .	1.0	0
756	Message from the Organizers. , 2008, , .		0

#	Article	IF	Citations
757	Message from the ISPA-08 General Chair. , 2008, , .		0
758	SSPT: Secondary Structure Prediction Triangle. , 2009, , .		0
759	Message from the 2CCom 2009 Symposium Chairs - Volume 2. , 2009, , .		0
760	A novel integrative phylogenetic analysis system. International Journal of Computational Biology and Drug Design, 2010, 3, 1.	0.3	0
761	Fuzz-SSVS: A Fuzzy logic based voting scheme to improve protein secondary structure prediction. , 2011, , .		0
762	Averaging measurement strategies for identifying single nucleotide polymorphisms from redundant data sets. , 2011, , .		0
763	Message from CGC 2011 Chairs. , 2011, , .		0
764	Nabic front matter. , 2011, , .		0
765	HiCOMB Introduction. , 2011, , .		0
766	APDCM Introduction. , 2011, , .		0
767	State of the Journal. IEEE Transactions on Computers, 2011, 60, 609-613.	3.4	0
768	Special issue on Advancement of research in wireless access and mobile systems. Journal of Parallel and Distributed Computing, 2011, 71, 1177-1178.	4.1	0
769	A Message to the Editorial Board. IEEE Transactions on Computers, 2012, 61, 1665-1665.	3.4	0
770	APSCC 2012 Foreword. , 2012, , .		0
771	Welcome message from the P2MNET chairs. , 2012, , .		0
772	Message from GreenCom 2012 General Chairs. , 2012, , .		0
773	P2MNET 2012: Welcome message from the P2MNET chairs. , 2012, , .		0
774	The implementation of novel idea of translation matrix to maintain QoS for a roaming user between heterogeneous 4G wireless networks. , 2012, , .		0

#	Article	IF	Citations
775	State of the Journal. IEEE Transactions on Computers, 2012, 61, 145-150.	3.4	0
776	B-Alarm: An Entropy Based Burst Traffic Prediction Approach for Ethernet Switches in Data Centers. , 2013, , .		0
777	Editorial for Special Issue on â€œNew Technologies and Applications for Wireless Communications & Mobile Cloud Computingâ€. Mobile Networks and Applications, 2013, 18, 98-102.	3.3	0
778	Message from MR.BDI2013 Chairs. , 2013, , .		0
779	GreenCom 2013: Message from Program Chairs. , 2013, , .		0
780	Tree-Based Consensus Model for Proline Cis-Trans Isomerization Prediction. , 2013, , .		0
781	HPCC 2013: Message from Program Chairs. , 2013, , .		0
782	Message from the General Chairs of MSN 2013. , 2013, , .		0
783	Running Data-Intensive Scientific Workflows in the Cloud. , 2014, , .		0
784	Guest Editors' Introduction: Cloud-Based Smart Evacuation Systems for Emergency Management. IEEE Cloud Computing, 2014, 1, 26-29.	3.9	0
785	Message from the BusinessClouds 2014 Workshop Chairs. , 2014, , .		0
786	Message from U-Science 2014 General Chairs. , 2014, , .		0
787	Power-Performance Tradeoff in a Federated Cloud. Computer, 2014, 47, 6-7.	1.1	0
788	RadixHap: a radix tree-based heuristic for solving the single individual haplotyping problem. International Journal of Bioinformatics Research and Applications, 2015, 11, 10.	0.2	0
789	Message from the Program Chairs of BigDataSecurity 2015. , 2015, , .		0
790	NIDISC Introduction and Committees. , 2015, , .		0
791	RBT-MF: A Distributed Rubber Band Technique for Maximum Flow Problem in Azure. , 2016, , .		0
792	Message from the IEEE TrustCom/BigDataSE/ISPA 2016 General Chairs. , 2016, , .		0

#	ARTICLE	IF	CITATIONS
793	Message from HPCC2016 Chairs. , 2016, , .		0
794	Welcome Message from the BDCloud-SocialCom-SustainCom 2016 Conference and Program Chairs. , 2016, , .		0
795	Message from the General Chairs of CSCloud/SSC 2016. , 2016, , .		0
796	Network coding-based content distribution in cellular access networks. , 2016, , .		0
797	Improving Storage Efficiency for Raw Image Photo Repository by Exploiting Similarity. , 2016, , .		0
798	Editorial preface special issue: Advances in computational intelligence with Internet of Things. Neurocomputing, 2016, 209, 1-2.	5.9	0
799	SERAPH: Service Allocation Algorithm for the Execution of Multiple Applications in Heterogeneous Shared Sensor and Actuator Networks. Internet of Things, 2016, , 93-113.	1.7	0
800	Message from the Program Chairs of IDS 2017. , 2017, , .		0
801	Provisioning and Management of Internet of Things Applications. , 2017, , .		0
802	HPCC/SmartCity/DSS 2017 Message from the General Chairs. , 2017, , .		0
803	Message from the Program Chairs of SSC 2017. , 2017, , .		0
804	The Effect of Resource Allocation and System Events on VM Consolidation. , 2017, , .		0
805	Message from the CPSCom-2017 General Chairs. , 2017, , .		0
806	Welcome Message from the ISPA 2017 General Chairs. , 2017, , .		0
807	Message from the HPSC 2018 Program Chairs. , 2018, , .		0
808	Message from the IDS 2018 Program Chairs. , 2018, , .		0
809	A System Architecture for Cloud of Sensors. , 2018, , .		0
810	Enabling Wireless Communications and Networking Technologies of Edge Computing. IEEE Communications Magazine, 2018, 56, 94-95.	6.1	0

#	Article	IF	Citations
811	SODAR: Nonobtrusive Off-Line Social Structure Reconstruction Through Passive Wireless Sensing. IEEE Transactions on Computational Social Systems, 2018, 5, 871-883.	4.4	0
812	Energy Efficiency Evaluation of Distributed Systems. Lecture Notes in Computer Science, 2019, , 756-763.	1.3	0
813	A Novel Hierarchical Two-Tier Node-Deployment Strategy for Sustainable Wireless Sensor Networks. Computer, 2019, 52, 4-5.	1.1	0
814	Dynamic Control of CPU Cap Allocations in Stream Processing and Data-Flow Platforms. , 2019, , .		0
815	Real-Time Stream Data Processing at Scale. , 2019, , .		0
816	Efficient mobile code offloading in heterogeneous wireless networks. Concurrency Computation Practice and Experience, 2021, 33, 1-1.	2.2	0
817	Enhancing disk input output performance in consolidated virtualized cloud platforms using a randomized approximation scheme. Concurrency Computation Practice and Experience, 0, , e6247.	2.2	0
818	Interaction between damping characteristics and the initialâ€stage shortâ€circuit current of MMCâ€HVDC transmission systems. IET Power Electronics, 2021, 14, 1871-1878.	2.1	0
819	Coevolution and Evolving Parallel Cellular Automata-Based Scheduling Algorithms. Lecture Notes in Computer Science, 2002, , 362-373.	1.3	0
820	A Proactive Method for Content Distribution in a Data Indexed DHT Overlay. Lecture Notes in Computer Science, 2007, , 599-610.	1.3	0
821	An Overview of Mobile Computing Algorithmics. Chapman & Hall/CRC Computer and Information Science Series, 2007, , 33-1-33-32.	0.4	0
822	Multi-Robot Social Group-Based Search Algorithms. Automation and Control Engineering, 2007, , 485-507.	0.1	0
823	Scheduling in Grid Environments. Chapman & Hall/CRC Computer and Information Science Series, 2007, , 21-1-21-19.	0.4	0
824	On the Automatic Generation of Efficient Computational Models. , 1993, , .		0
825	Applications of Distributed and High Performance Computing to Enhance Online Education. Lecture Notes on Data Engineering and Communications Technologies, 2018, , 586-600.	0.7	0
826	Message from the Program Chairs of EdgeCom 2018. , 2018, , .		0
827	HCW 2020 Keynote Speaker Edge Intelligence Empowering IoT Data Analytics. , 2020, , .		0
828	Multi-directional CPU resource control in edge computing. , 2020, , .		0

#	Article	IF	Citations
829	Lightweight Short-term Photovoltaic Power Prediction for Mobile Edge Computing. , 2020, , .		0
830	Bonus computing: towards free-of-charge metacomputing in the public cloud. Computing (Vienna/New) Tj ETQq0 0.0 rgBT /Overlock 10	4.8	0
831	Spark-Tuner: An Elastic Auto-Tuner for Apache Spark Streaming. , 2020, , .		0
832	Adversarial Attacks in a Deep Reinforcement Learning based Cluster Scheduler. , 2020, , .		0
833	Low Latency Execution Guarantee Under Uncertainty in Serverless Platforms. Lecture Notes in Computer Science, 2022, , 324-335.	1.3	0
834	Distributed Online Resource Scheduling for Mobile Edge Servers. , 2021, , .		0
835	Exploring Biocomplexity: New Challenges for High Performance Computing. , 2007, , .		0
836	Distant-Based Resource Placement in Product Networks. , 2007, , .		0
837	A Mutual Information-Based Assessment of Reverse Engineering on Rewards of Reinforcement Learning. IEEE Transactions on Artificial Intelligence, 2023, 4, 1089-1100.	4.7	0