

# Rajkummar Buyya

## List of Publications by Year in descending order

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730  
papers

67,457  
citations

3116

95  
h-index

1484

225  
g-index

810  
all docs

810  
docs citations

810  
times ranked

32445  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Distributed Deep Reinforcement Learning Technique for Application Placement in Edge and Fog Computing Environments. IEEE Transactions on Mobile Computing, 2023, 22, 2491-2505.	3.9	31
2	Dynamic Parallel Flow Algorithms With Centralized Scheduling for Load Balancing in Cloud Data Center Networks. IEEE Transactions on Cloud Computing, 2023, 11, 1050-1064.	3.1	2
3	CoLocateMe: Aggregation-Based, Energy, Performance and Cost Aware VM Placement and Consolidation in Heterogeneous IaaS Clouds. IEEE Transactions on Services Computing, 2023, 16, 1023-1038.	3.2	3
4	Scheduling IoT Applications in Edge and Fog Computing Environments: A Taxonomy and Future Directions. ACM Computing Surveys, 2023, 55, 1-41.	16.1	30
5	Dynamic Scheduling for Stochastic Edge-Cloud Computing Environments Using A3C Learning and Residual Recurrent Neural Networks. IEEE Transactions on Mobile Computing, 2022, 21, 940-954.	3.9	103
6	epcAware: A Game-Based, Energy, Performance and Cost-Efficient Resource Management Technique for Multi-Access Edge Computing. IEEE Transactions on Services Computing, 2022, 15, 1634-1648.	3.2	29
7	Inverse Queuing Model-Based Feedback Control for Elastic Container Provisioning of Web Systems in Kubernetes. IEEE Transactions on Computers, 2022, 71, 337-348.	2.4	12
8	iFaaSBus: A Security- and Privacy-Based Lightweight Framework for Serverless Computing Using IoT and Machine Learning. IEEE Transactions on Industrial Informatics, 2022, 18, 3522-3529.	7.2	39
9	OP-MLB: An Online VM Prediction-Based Multi-Objective Load Balancing Framework for Resource Management at Cloud Data Center. IEEE Transactions on Cloud Computing, 2022, 10, 2804-2816.	3.1	39
10	SLA-Based Scheduling of Spark Jobs in Hybrid Cloud Computing Environments. IEEE Transactions on Computers, 2022, 71, 1117-1132.	2.4	12
11	LYRIC: Deadline and Budget Aware Spatio-Temporal Query Processing in Cloud. IEEE Transactions on Services Computing, 2022, 15, 2869-2882.	3.2	4
12	Uncertainty-aware Decisions in Cloud Computing. ACM Computing Surveys, 2022, 54, 1-30.	16.1	29
13	DoSP: A Deadline-Aware Dynamic Service Placement Algorithm for Workflow-Oriented IoT Applications in Fog-Cloud Computing Environments. Lecture Notes on Data Engineering and Communications Technologies, 2022, , 21-47.	0.5	12
14	Unprecedented Smart Algorithm for Uninterrupted SDN Services During DDoS Attack. Computers, Materials and Continua, 2022, 70, 875-894.	1.5	8
15	MUD-Based Behavioral Profiling Security Framework for Software-Defined IoT Networks. IEEE Internet of Things Journal, 2022, 9, 6611-6622.	5.5	23
16	Software-Defined Security-by-Contract for Blockchain-Enabled MUD-Aware Industrial IoT Edge Networks. IEEE Transactions on Industrial Informatics, 2022, 18, 7068-7076.	7.2	17
17	Reliability-Enhanced Task Offloading in Mobile Edge Computing Environments. IEEE Internet of Things Journal, 2022, 9, 10382-10396.	5.5	19
18	Quantum computing: A taxonomy, systematic review and future directions. Software - Practice and Experience, 2022, 52, 66-114.	2.5	125

#	ARTICLE	IF	CITATIONS
19	HUNTER: AI based holistic resource management for sustainable cloud computing. Journal of Systems and Software, 2022, 184, 111124.	3.3	33
20	Workload forecasting and energy state estimation in cloud data centres: ML-centric approach. Future Generation Computer Systems, 2022, 128, 320-332.	4.9	40
21	A multi-level collaborative framework for elastic stream computing systems. Future Generation Computer Systems, 2022, 128, 117-131.	4.9	5
22	Performance and Cost-Efficient Spark Job Scheduling Based on Deep Reinforcement Learning in Cloud Computing Environments. IEEE Transactions on Parallel and Distributed Systems, 2022, 33, 1695-1710.	4.0	43
23	Post golden jubilee year of the software journal: New research trends and strengthening advisory editorial team. Software - Practice and Experience, 2022, 52, 3-4.	2.5	0
24	CAMIG: Concurrency-Aware Live Migration Management of Multiple Virtual Machines in SDN-Enabled Clouds. IEEE Transactions on Parallel and Distributed Systems, 2022, 33, 2318-2331.	4.0	10
25	A blockchain-based Fog-oriented lightweight framework for smart public vehicular transportation systems. Computer Networks, 2022, 203, 108676.	3.2	27
26	HealthCloud: A system for monitoring health status of heart patients using machine learning and cloud computing. Internet of Things (Netherlands), 2022, 17, 100485.	4.9	40
27	MQDS: An energy saving scheduling strategy with diverse QoS constraints towards reconfigurable cloud storage systems. Future Generation Computer Systems, 2022, 129, 252-268.	4.9	3
28	A Holistic View on Resource Management in Serverless Computing Environments: Taxonomy and Future Directions. ACM Computing Surveys, 2022, 54, 1-36.	16.1	33
29	Machine Learning-based Orchestration of Containers: A Taxonomy and Future Directions. ACM Computing Surveys, 2022, 54, 1-35.	16.1	37
30	Systematic scalability analysis for microservices granularity adaptation design decisions. Software - Practice and Experience, 2022, 52, 1378-1401.	2.5	9
31	QoS-aware placement of microservices-based IoT applications in Fog computing environments. Future Generation Computer Systems, 2022, 131, 121-136.	4.9	37
32	Artificial Intelligence-based Internet of Things for Industry 5.0. Internet of Things, 2022, , 3-45.	1.3	29
33	A Topology-Aware Scheduling Strategy for Distributed Stream Computing System. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2022, , 132-147.	0.2	2
34	High-availability clusters: A taxonomy, survey, and future directions. Journal of Systems and Software, 2022, 187, 111208.	3.3	7
35	Deadline-aware and energy-efficient IoT task scheduling in fog computing systems: A semi-greedy approach. Journal of Network and Computer Applications, 2022, 201, 103333.	5.8	58
36	Resource Allocation and Task Scheduling in Fog Computing and Internet of Everything Environments: A Taxonomy, Review, and Future Directions. ACM Computing Surveys, 2022, 54, 1-38.	16.1	45

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37	Energy Efficient Computing Systems: Architectures, Abstractions and Modeling to Techniques and Standards. ACM Computing Surveys, 2022, 54, 1-37.	16.1	13
38	<scp>IoTâ€Pi</scp>: A machine learningâ€based lightweight framework for costâ€effective distributed computing using <scp>IoT</scp>. Internet Technology Letters, 2022, 5, .	1.4	11
39	RESCUE: Enabling green healthcare services using integrated IoTâ€edgeâ€fogâ€cloud computing environments. Software - Practice and Experience, 2022, 52, 1615-1642.	2.5	12
40	Energy and latency aware mobile task assignment for green cloudlets. Simulation Modelling Practice and Theory, 2022, , 102531.	2.2	1
41	Adaptive processing rate based container provisioning for meshed Micro-services in Kubernetes Clouds. CCF Transactions on High Performance Computing, 2022, 4, 165-181.	1.1	1
42	Service composition in dynamic environments: A systematic review and future directions. Journal of Systems and Software, 2022, 188, 111290.	3.3	16
43	Securing the future internet of things with postâ€quantum cryptography. Security and Privacy, 2022, 5, .	1.9	21
44	Towards simulating the constraint-based nature-inspired smart scheduling in energy intelligent buildings. Simulation Modelling Practice and Theory, 2022, 118, 102550.	2.2	5
45	State space model and queuing network based Cloud Resource Provisioning for Meshed Web Systems. IEEE Transactions on Parallel and Distributed Systems, 2022, , 1-1.	4.0	0
46	Energy-SLA-aware genetic algorithm for edgeâ€cloud integrated computation offloading in vehicular networks. Future Generation Computer Systems, 2022, 135, 205-222.	4.9	18
47	iFogSim2: An extended iFogSim simulator for mobility, clustering, and microservice management in edge and fog computing environments. Journal of Systems and Software, 2022, 190, 111351.	3.3	75
48	Machine learning (ML)-centric resource management in cloud computing: A review and future directions. Journal of Network and Computer Applications, 2022, 204, 103405.	5.8	40
49	EFTA: An Energy-efficient, Fault-Tolerant, and Area-optimized UAV Placement Scheme for Search Operations. , 2022, , .		2
50	A secure drone-to-drone communication and software defined drone network-enabled traffic monitoring system. Simulation Modelling Practice and Theory, 2022, 120, 102621.	2.2	10
51	An energy efficient and runtime-aware framework for distributed stream computing systems. Future Generation Computer Systems, 2022, 136, 252-269.	4.9	2
52	CloudSimSFC: Simulating Service Function chains in Multi-Domain Service Networks. Simulation Modelling Practice and Theory, 2022, 120, 102597.	2.2	3
53	Secure Data Storage and Sharing Techniques for Data Protection in Cloud Environments: A Systematic Review, Analysis, and Future Directions. IEEE Access, 2022, 10, 71247-71277.	2.6	26
54	An Energy and Performance Aware Consolidation Technique for Containerized Datacenters. IEEE Transactions on Cloud Computing, 2021, 9, 1305-1322.	3.1	35

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55	An Efficient Multi-Cloud Service Composition Using a Distributed Multiagent-Based, Memory-Driven Approach. IEEE Transactions on Sustainable Computing, 2021, 6, 358-369.	2.2	20
56	A Cost-Efficient Auto-Scaling Algorithm for Large-Scale Graph Processing in Cloud Environments with Heterogeneous Resources. IEEE Transactions on Software Engineering, 2021, 47, 1729-1741.	4.3	3
57	DTCMS: Dynamic traffic congestion management in Social Internet of Vehicles (SloV). Internet of Things (Netherlands), 2021, 16, 100311.	4.9	8
58	A Self-Adaptive Approach for Managing Applications and Harnessing Renewable Energy for Sustainable Cloud Computing. IEEE Transactions on Sustainable Computing, 2021, 6, 544-558.	2.2	28
59	A New Service Mechanism for Profit Optimizations of a Cloud Provider and Its Users. IEEE Transactions on Cloud Computing, 2021, 9, 14-26.	3.1	95
60	Internet of Health Things (IoHT) for personalized health care using integrated edge-fog-cloud network. Journal of Ambient Intelligence and Humanized Computing, 2021, 12, 943-959.	3.3	44
61	An Application Placement Technique for Concurrent IoT Applications in Edge and Fog Computing Environments. IEEE Transactions on Mobile Computing, 2021, 20, 1298-1311.	3.9	205
62	GRVMP: A Greedy Randomized Algorithm for Virtual Machine Placement in Cloud Data Centers. IEEE Systems Journal, 2021, 15, 2571-2582.	2.9	36
63	Hedonic Pricing of Cloud Computing Services. IEEE Transactions on Cloud Computing, 2021, 9, 182-196.	3.1	39
64	A study on the evaluation of HPC microservices in containerized environment. Concurrency Computation Practice and Experience, 2021, 33, 1-1.	1.4	12
65	Self directed learning based workload forecasting model for cloud resource management. Information Sciences, 2021, 543, 345-366.	4.0	58
66	A drone-based networked system and methods for combating coronavirus disease (COVID-19) pandemic. Future Generation Computer Systems, 2021, 115, 1-19.	4.9	180
67	SAIoT: Scalable Anomaly-Aware Services Composition in CloudIoT Environments. IEEE Internet of Things Journal, 2021, 8, 3665-3677.	5.5	11
68	A Volunteer-Supported Fog Computing Environment for Delay-Sensitive IoT Applications. IEEE Internet of Things Journal, 2021, 8, 3822-3830.	5.5	43
69	ADRL: A Hybrid Anomaly-Aware Deep Reinforcement Learning-Based Resource Scaling in Clouds. IEEE Transactions on Parallel and Distributed Systems, 2021, 32, 514-526.	4.0	36
70	BigDataSDNSim: A simulator for analyzing big data applications in software-defined cloud data centers. Software - Practice and Experience, 2021, 51, 893-920.	2.5	9
71	Online cloud resource prediction via scalable window waveform sampling on classified workloads. Future Generation Computer Systems, 2021, 117, 338-358.	4.9	11
72	Thermal Prediction for Efficient Energy Management of Clouds Using Machine Learning. IEEE Transactions on Parallel and Distributed Systems, 2021, 32, 1044-1056.	4.0	45

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73	K&Ecar: Extracting data access periodic characteristics for energy-aware data clustering and storing in cloud storage systems. <i>Concurrency Computation Practice and Experience</i> , 2021, 33, e6096.	1.4	3
74	HeporCloud: An energy and performance efficient resource orchestrator for hybrid heterogeneous cloud computing environments. <i>Journal of Network and Computer Applications</i> , 2021, 173, 102869.	5.8	19
75	Gaussian Distribution-Based Machine Learning Scheme for Anomaly Detection in Healthcare Sensor Cloud. <i>International Journal of Cloud Applications and Computing</i> , 2021, 11, 52-72.	1.1	25
76	Automated Controller Placement for Software-Defined Networks to Resist DDoS Attacks. <i>Computers, Materials and Continua</i> , 2021, 68, 3147-3165.	1.5	15
77	Industrial Internet of Things (IIoT) Applications of Edge and Fog Computing: A Review and Future Directions. <i>Advances in Information Security</i> , 2021, , 293-325.	0.9	38
78	BFIM: Performance Measurement of a Blockchain Based Hierarchical Tree Layered Fog-IoT Microservice Architecture. <i>IEEE Access</i> , 2021, 9, 106655-106674.	2.6	32
79	Mobile Cloud Computing and Wireless Sensor Networks: A review, integration architecture, and future directions. <i>IET Networks</i> , 2021, 10, 141-161.	1.1	8
80	Blockchain-Enhanced Fair Task Scheduling for Cloud-Fog-Edge Coordination Environments: Model and Algorithm. <i>Security and Communication Networks</i> , 2021, 2021, 1-18.	1.0	10
81	CGP: Cluster-based gossip protocol for dynamic resource environment in cloud. <i>Simulation Modelling Practice and Theory</i> , 2021, 108, 102275.	2.2	20
82	Security-SLA-guaranteed service function chain deployment in cloud-fog computing networks. <i>Cluster Computing</i> , 2021, 24, 2479-2494.	3.5	6
83	Deadline-aware Dynamic Resource Management in Serverless Computing Environments. , 2021, , .		18
84	SAED: Edge-Based Intelligence for Privacy-Preserving Enterprise Search on the Cloud. , 2021, , .		2
85	FollowMe@LS: Electricity price and source aware resource management in geographically distributed heterogeneous datacenters. <i>Journal of Systems and Software</i> , 2021, 175, 110907.	3.3	3
86	Fog-Integrated Cloud Architecture enabled multi-attribute combinatorial reverse auctioning framework. <i>Simulation Modelling Practice and Theory</i> , 2021, 109, 102307.	2.2	9
87	A Reinforcement Learning Approach to Reduce Serverless Function Cold Start Frequency. , 2021, , .		23
88	Blockchain-based trust management in cloud computing systems: a taxonomy, review and future directions. <i>Journal of Cloud Computing: Advances, Systems and Applications</i> , 2021, 10, .	2.1	44
89	SLA-aware multiple migration planning and scheduling in SDN-NFV-enabled clouds. <i>Journal of Systems and Software</i> , 2021, 176, 110943.	3.3	21
90	FogBus2. , 2021, , .		20

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91	SDN Enabled QoE and Security Framework for Multimedia Applications in 5G Networks. ACM Transactions on Multimedia Computing, Communications and Applications, 2021, 17, 1-29.	3.0	10
92	Secure Healthcare Monitoring Sensor Cloud With Attribute-Based Elliptical Curve Cryptography. International Journal of Cloud Applications and Computing, 2021, 11, 1-18.	1.1	15
93	Special Issue on Methods and Infrastructures for Data Mining at the Edge of Internet of Things. IEEE Internet of Things Journal, 2021, 8, 10220-10221.	5.5	4
94	Metaheuristics for scheduling of heterogeneous tasks in cloud computing environments: Analysis, performance evaluation, and future directions. Simulation Modelling Practice and Theory, 2021, 111, 102353.	2.2	42
95	A scheduling-based dynamic fog computing framework for augmenting resource utilization. Simulation Modelling Practice and Theory, 2021, 111, 102336.	2.2	25
96	MLPAM: A Machine Learning and Probabilistic Analysis Based Model for Preserving Security and Privacy in Cloud Environment. IEEE Systems Journal, 2021, 15, 4248-4259.	2.9	27
97	OpenPATH: Application aware high-performance software-defined switching framework. Journal of Network and Computer Applications, 2021, 193, 103196.	5.8	4
98	CONFRONT: Cloud-fog-dew based monitoring framework for COVID-19 management. Internet of Things (Netherlands), 2021, 16, 100459.	4.9	8
99	iGateLink: A Gateway Library for Linking IoT, Edge, Fog, and Cloud Computing Environments. Smart Innovation, Systems and Technologies, 2021, , 11-19.	0.5	6
100	Resource Management and Scheduling in Distributed Stream Processing Systems. ACM Computing Surveys, 2021, 53, 1-41.	16.1	36
101	Multiple Workflows Scheduling in Multi-tenant Distributed Systems. ACM Computing Surveys, 2021, 53, 1-39.	16.1	42
102	Application Management in Fog Computing Environments. ACM Computing Surveys, 2021, 53, 1-43.	16.1	112
103	Golden Jubilee Year of the Software Journal: Celebrating its Vision, Groundbreaking Contributions and Impact. Software - Practice and Experience, 2021, 51, 3-4.	2.5	3
104	Edge In-Network Computing Meets Blockchain: A Multi-Domain Heterogeneous Resource Trust Management Architecture. IEEE Network, 2021, 35, 50-57.	4.9	4
105	A Deep Reinforcement Learning Approach to Resource Management in Hybrid Clouds Harnessing Renewable Energy and Task Scheduling. , 2021, , .		12
106	START: Straggler Prediction and Mitigation for Cloud Computing Environments using Encoder LSTM Networks. IEEE Transactions on Services Computing, 2021, , 1-1.	3.2	8
107	Geospatial Edge-Fog Computing: A Systematic Review, Taxonomy, and Future Directions. , 2021, , 47-69.		6
108	Introduction to Mobile Edge Computing. , 2021, , 3-19.		4



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109	Simulating Fog Computing Applications Using iFogSim Toolkit. , 2021, , 565-590.		8
110	Software-Defined Multi-domain Tactical Networks: Foundations and Future Directions. , 2021, , 183-227.		2
111	Systematic Scalability Modeling of QoS-aware Dynamic Service Composition. ACM Transactions on Autonomous and Adaptive Systems, 2021, 16, 1-39.	0.4	0
112	Performance-Aware Management of Cloud Resources. ACM Computing Surveys, 2020, 52, 1-37.	16.1	12
113	Brownout Approach for Adaptive Management of Resources and Applications in Cloud Computing Systems. ACM Computing Surveys, 2020, 52, 1-27.	16.1	39
114	Heterogeneous Job Allocation Scheduler for Hadoop MapReduce Using Dynamic Grouping Integrated Neighboring Search. IEEE Transactions on Cloud Computing, 2020, 8, 193-206.	3.1	25
115	STAR: SLA-aware Autonomic Management of Cloud Resources. IEEE Transactions on Cloud Computing, 2020, 8, 1040-1053.	3.1	64
116	A Hybrid Bio-Inspired Algorithm for Scheduling and Resource Management in Cloud Environment. IEEE Transactions on Services Computing, 2020, 13, 3-15.	3.2	65
117	Availability-Aware Virtual Cluster Allocation in Bandwidth-Constrained Datacenters. IEEE Transactions on Services Computing, 2020, 13, 425-436.	3.2	15
118	Failure Management for Reliable Cloud Computing: A Taxonomy, Model, and Future Directions. Computing in Science and Engineering, 2020, 22, 52-63.	1.2	36
119	Mobi-IoST: Mobility-Aware Cloud-Fog-Edge-IoT Collaborative Framework for Time-Critical Applications. IEEE Transactions on Network Science and Engineering, 2020, 7, 2271-2285.	4.1	83
120	Managing renewable energy and carbon footprint in multi-cloud computing environments. Journal of Parallel and Distributed Computing, 2020, 135, 191-202.	2.7	42
121	Profit-aware application placement for integrated Fog-Cloud computing environments. Journal of Parallel and Distributed Computing, 2020, 135, 177-190.	2.7	87
122	Joint Energy-QoE Efficient Content Delivery Networks Using Real-Time Energy Management. IEEE Systems Journal, 2020, 14, 927-938.	2.9	8
123	An energy-aware multi-sensor geo-fog paradigm for mission critical applications. Journal of Ambient Intelligence and Humanized Computing, 2020, 11, 3155-3173.	3.3	5
124	HealthFog: An ensemble deep learning based Smart Healthcare System for Automatic Diagnosis of Heart Diseases in integrated IoT and fog computing environments. Future Generation Computer Systems, 2020, 104, 187-200.	4.9	391
125	Cloud Pricing Models. ACM Computing Surveys, 2020, 52, 1-36.	16.1	46
126	Context-Aware Placement of Industry 4.0 Applications in Fog Computing Environments. IEEE Transactions on Industrial Informatics, 2020, 16, 7004-7013.	7.2	60



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127	Modeling cloud business customers' utility functions. <i>Future Generation Computer Systems</i> , 2020, 105, 737-753.	4.9	10
128	Spatio-Fog: A green and timeliness-oriented fog computing model for geospatial query resolution. <i>Simulation Modelling Practice and Theory</i> , 2020, 100, 102043.	2.2	14
129	Agri-Info: Cloud Based Autonomic System for Delivering Agriculture as a Service. <i>Internet of Things (Netherlands)</i> , 2020, 9, 100131.	4.9	29
130	CRUPA: collusion resistant user revocable public auditing of shared data in cloud. <i>Journal of Cloud Computing: Advances, Systems and Applications</i> , 2020, 9, .	2.1	8
131	CLAWER: Context-aware Cloud-Fog based Workflow Management Framework for Health Emergency Services. , 2020, , .		12
132	SDVADC: Secure Deduplication and Virtual Auditing of Data in Cloud. <i>Procedia Computer Science</i> , 2020, 171, 2225-2234.	1.2	4
133	Energy Efficient Algorithms based on VM Consolidation for Cloud Computing: Comparisons and Evaluations. , 2020, , .		26
134	Performance-aware deployment of streaming applications in distributed stream computing systems. <i>International Journal of Bio-Inspired Computation</i> , 2020, 15, 52.	0.6	7
135	QuickDedup: Efficient VM deduplication in cloud computing environments. <i>Journal of Parallel and Distributed Computing</i> , 2020, 139, 18-31.	2.7	21
136	A Privacy-Preserving Mobile and Fog Computing Framework to Trace and Prevent COVID-19 Community Transmission. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2020, 24, 3564-3575.	3.9	50
137	Unequal interval based loosely coupled control method for auto-scaling heterogeneous cloud resources for web applications. <i>Concurrency Computation Practice and Experience</i> , 2020, 32, e5926.	1.4	5
138	A Data-Driven Frequency Scaling Approach for Deadline-aware Energy Efficient Scheduling on Graphics Processing Units (GPUs). , 2020, , .		5
139	QoS-aware service provisioning in fog computing. <i>Journal of Network and Computer Applications</i> , 2020, 165, 102674.	5.8	34
140	Dynamic Management of Traffic Signals through Social IoT. <i>Procedia Computer Science</i> , 2020, 171, 1908-1916.	1.2	9
141	Heterogeneous Task Co-location in Containerized Cloud Computing Environments. , 2020, , .		13
142	A novel energy-aware resource management technique using joint VM and container consolidation approach for green computing in cloud data centers. <i>Simulation Modelling Practice and Theory</i> , 2020, 104, 102127.	2.2	53
143	Software tools and techniques for fog and edge computing. <i>Software - Practice and Experience</i> , 2020, 50, 473-475.	2.5	2
144	ARC: Anomaly-aware Robust Cloud-integrated IoT service composition based on uncertainty in advertised quality of service values. <i>Journal of Systems and Software</i> , 2020, 164, 110557.	3.3	18

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145	Shared data-aware dynamic resource provisioning and task scheduling for data intensive applications on hybrid clouds using Aneka. <i>Future Generation Computer Systems</i> , 2020, 106, 595-606.	4.9	17
146	Data Allocation Mechanism for Internet-of-Things Systems With Blockchain. <i>IEEE Internet of Things Journal</i> , 2020, 7, 3509-3522.	5.5	44
147	Ensemble learning based predictive framework for virtual machine resource request prediction. <i>Neurocomputing</i> , 2020, 397, 20-30.	3.5	29
148	Cost-efficient dynamic scheduling of big data applications in apache spark on cloud. <i>Journal of Systems and Software</i> , 2020, 162, 110515.	3.3	34
149	Utilization-prediction-aware virtual machine consolidation approach for energy-efficient cloud data centers. <i>Journal of Parallel and Distributed Computing</i> , 2020, 139, 99-109.	2.7	83
150	New generation cloud computing. <i>Software - Practice and Experience</i> , 2020, 50, 803-804.	2.5	1
151	IoT-Enabled Flood Severity Prediction via Ensemble Machine Learning Models. <i>IEEE Access</i> , 2020, 8, 70375-70386.	2.6	41
152	BlockSDN: Blockchain-as-a-Service for Software Defined Networking in Smart City Applications. <i>IEEE Network</i> , 2020, 34, 83-91.	4.9	101
153	ThermoSim: Deep learning based framework for modeling and simulation of thermal-aware resource management for cloud computing environments. <i>Journal of Systems and Software</i> , 2020, 166, 110596.	3.3	35
154	Software-Defined Network (SDN) Data Plane Security: Issues, Solutions, and Future Directions. , 2020, , 341-387.		54
155	Feasibility of Fog Computing. <i>Scalable Computing and Communications</i> , 2020, , 127-146.	0.5	17
156	Context-Oriented User-Centric Search System for the IoT Based on Fuzzy Clustering. <i>Communications in Computer and Information Science</i> , 2020, , 343-356.	0.4	3
157	MARIO: A spatio-temporal data mining framework on Google Cloud to explore mobility dynamics from taxi trajectories. <i>Journal of Network and Computer Applications</i> , 2020, 164, 102692.	5.8	24
158	WattsApp: Power-Aware Container Scheduling. , 2020, , .		9
159	A Cost-Efficient Container Orchestration Strategy in Kubernetes-Based Cloud Computing Infrastructures with Heterogeneous Resources. <i>ACM Transactions on Internet Technology</i> , 2020, 20, 1-24.	3.0	60
160	DATESO. , 2020, , .		9
161	Container Orchestration With Cost-Efficient Autoscaling in Cloud Computing Environments. <i>Advances in Information Security, Privacy, and Ethics Book Series</i> , 2020, , 190-213.	0.4	11
162	Performance-aware deployment of streaming applications in distributed stream computing systems. <i>International Journal of Bio-Inspired Computation</i> , 2020, 15, 52.	0.6	0

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163	Trust Management for Service-Oriented SIoT Systems. , 2020, , .		4
164	High-Performance Mining of COVID-19 Open Research Datasets for Text Classification and Insights in Cloud Computing Environments. , 2020, , .		2
165	Internet of Things (IoT) and Cloud Computing Enabled Disaster Management. Scalable Computing and Communications, 2020, , 273-298.	0.5	3
166	SRCBT: Secure Regeneration of Corrupted Blocks by TPA in Cloud. , 2020, , .		1
167	Device Discovery Techniques for Industrial Internet of Things Through Predictive Analytic Mechanism. Advances in Intelligent Systems and Computing, 2020, , 76-89.	0.5	0
168	Data Access Management System in Azure Blob Storage and AWS S3 Multi-Cloud Storage Environments. Advances in Information Security, Privacy, and Ethics Book Series, 2020, , 130-147.	0.4	0
169	Dynamic redirection of real-time data streams for elastic stream computing. Future Generation Computer Systems, 2020, 112, 193-208.	4.9	6
170	Cloud Resource Provisioning and Bottleneck Eliminating for Meshed Web Systems. , 2020, , .		2
171	Artificial Intelligence (AI)-Centric Management of Resources in Modern Distributed Computing Systems. , 2020, , .		7
172	Augmentation Techniques for Mobile Cloud Computing. ACM Computing Surveys, 2019, 51, 1-38.	16.1	67
173	HPC Cloud for Scientific and Business Applications. ACM Computing Surveys, 2019, 51, 1-29.	16.1	93
174	A Taxonomy of Software-Defined Networking (SDN)-Enabled Cloud Computing. ACM Computing Surveys, 2019, 51, 1-36.	16.1	73
175	Auto-Scaling Web Applications in Clouds. ACM Computing Surveys, 2019, 51, 1-33.	16.1	156
176	Scalable Graph Processing Frameworks. ACM Computing Surveys, 2019, 51, 1-53.	16.1	730
177	Priority-Aware VM Allocation and Network Bandwidth Provisioning in Software-Defined Networking (SDN)-Enabled Clouds. IEEE Transactions on Sustainable Computing, 2019, 4, 17-28.	2.2	46
178	Sustainable Cloud Computing Realization for Different Applications: A Manifesto. Lecture Notes on Data Engineering and Communications Technologies, 2019, , 95-117.	0.5	5
179	QoS-aware cloud service composition using eagle strategy. Future Generation Computer Systems, 2019, 90, 273-290.	4.9	113
180	RADAR: Self-configuring and self-healing in resource management for enhancing quality of cloud services. Concurrency Computation Practice and Experience, 2019, 31, e4834.	1.4	26

#	ARTICLE	IF	CITATIONS
181	SDCon: Integrated Control Platform for Software-Defined Clouds. IEEE Transactions on Parallel and Distributed Systems, 2019, 30, 230-244.	4.0	22
182	FOCAN: A Fog-supported smart city network architecture for management of applications in the Internet of Everything environments. Journal of Parallel and Distributed Computing, 2019, 132, 274-283.	2.7	160
183	A Cloud Bidding Framework for Deadline Constrained Jobs. , 2019, , .		3
184	A fog-driven dynamic resource allocation technique in ultra dense femtocell networks. Journal of Network and Computer Applications, 2019, 145, 102407.	5.8	16
185	Value-based cloud price modeling for segmented business to business market. Future Generation Computer Systems, 2019, 101, 502-523.	4.9	7
186	QoS-aware secure transaction framework for internet of things using blockchain mechanism. Journal of Network and Computer Applications, 2019, 144, 59-78.	5.8	34
187	CloudSimSDN&NFV: Modeling and simulation of network function virtualization and service function chaining in edge computing environments. Software - Practice and Experience, 2019, 49, 1748-1764.	2.5	30
188	Progressive Search Algorithm for Service Discovery in an IoT Ecosystem. , 2019, , .		8
189	Probability Density for Amazon Spot Instance Price. , 2019, , .		1
190	Identifying and Estimating Technical Debt for Service Composition in SaaS Cloud. , 2019, , .		6
191	IoT-F2N: An energy-efficient architectural model for IoT using Femtolet-based fog network. Journal of Supercomputing, 2019, 75, 7125-7146.	2.4	14
192	BrownoutCon: A software system based on brownout and containers for energy-efficient cloud computing. Journal of Systems and Software, 2019, 155, 91-103.	3.3	29
193	IoT-CANE: A unified knowledge management system for data-centric Internet of Things application systems. Journal of Parallel and Distributed Computing, 2019, 131, 161-172.	2.7	29
194	Holistic resource management for sustainable and reliable cloud computing: An innovative solution to global challenge. Journal of Systems and Software, 2019, 155, 104-129.	3.3	55
195	ROUTER: Fog enabled cloud based intelligent resource management approach for smart home IoT devices. Journal of Systems and Software, 2019, 154, 125-138.	3.3	122
196	Bio-Inspired Algorithms for Big Data Analytics: A Survey, Taxonomy, and Open Challenges. , 2019, , 1-17.		14
197	Performance anomaly detection using isolation&trees in heterogeneous workloads of web applications in computing clouds. Concurrency Computation Practice and Experience, 2019, 31, e5306.	1.4	4
198	Performance evaluation of live virtual machine migration in SDN-enabled cloud data centers. Journal of Parallel and Distributed Computing, 2019, 131, 55-68.	2.7	37

#	ARTICLE	IF	CITATIONS
199	Social Internet of Things (SIoT): Foundations, thrust areas, systematic review and future directions. Computer Communications, 2019, 139, 32-57.	3.1	125
200	State and runtime-aware scheduling in elastic stream computing systems. Future Generation Computer Systems, 2019, 97, 194-209.	4.9	9
201	An auction-based incentive mechanism for heterogeneous mobile clouds. Journal of Systems and Software, 2019, 152, 151-164.	3.3	21
202	A Trust-Based Agent Learning Model for Service Composition in Mobile Cloud Computing Environments. IEEE Access, 2019, 7, 34207-34226.	2.6	33
203	FogBus: A Blockchain-based Lightweight Framework for Edge and Fog Computing. Journal of Systems and Software, 2019, 154, 22-36.	3.3	265
204	ETAS: Energy and thermal-aware dynamic virtual machine consolidation in cloud data center with proactive hotspot mitigation. Concurrency Computation Practice and Experience, 2019, 31, e5221.	1.4	54
205	Latency-aware Virtualized Network Function provisioning for distributed edge clouds. Journal of Systems and Software, 2019, 152, 24-31.	3.3	46
206	Quality of Service (QoS)-driven resource provisioning for large-scale graph processing in cloud computing environments: Graph Processing-as-a-Service (GPaaS). Future Generation Computer Systems, 2019, 96, 490-501.	4.9	18
207	ElasticSFC: Auto-scaling techniques for elastic service function chaining in network functions virtualization-based clouds. Journal of Systems and Software, 2019, 152, 108-119.	3.3	47
208	Recent advances in cloud data centers toward fog data centers. Concurrency Computation Practice and Experience, 2019, 31, e5164.	1.4	5
209	EAODBT: Efficient Auditing for Outsourced Database with Token Enforced Cloud Storage. , 2019, , .		1
210	Geo-Cloudlet: Time and Power Efficient Geospatial Query Resolution using Cloudlet. , 2019, , .		4
211	APEX: Adaptive Ext4 File System for Enhanced Data Recoverability in Edge Devices. , 2019, , .		1
212	STLDAS: Secure Two Level Deduplication and Auditing of Shared Data in Cloud. , 2019, , .		0
213	MovCloud: A Cloud-Enabled Framework to Analyse Movement Behaviors. , 2019, , .		6
214	Location-aware IoT Search Framework based on Data Messaging and Aggregation Techniques. , 2019, , .		1
215	EdgeLens: Deep Learning based Object Detection in Integrated IoT, Fog and Cloud Computing Environments. , 2019, , .		42
216	A Context-Aware Fog Enabled Scheme for Real-Time Cross-Vertical IoT Applications. IEEE Internet of Things Journal, 2019, 6, 2400-2412.	5.5	23

#	ARTICLE	IF	CITATIONS
217	Fog-Based Smart Healthcare as a Big Data and Cloud Service for Heart Patients Using IoT. Lecture Notes on Data Engineering and Communications Technologies, 2019, , 1376-1383.	0.5	33
218	A Taxonomy and Future Directions for Sustainable Cloud Computing. ACM Computing Surveys, 2019, 51, 1-33.	16.1	90
219	Latency-Aware Application Module Management for Fog Computing Environments. ACM Transactions on Internet Technology, 2019, 19, 1-21.	3.0	161
220	Energy-efficient retailing using a femtoletâ€based fog network. Software - Practice and Experience, 2019, 49, 498-523.	2.5	6
221	A Learning Technique for VM Allocation to Resolve Geospatial Queries. Advances in Intelligent Systems and Computing, 2019, , 577-584.	0.5	9
222	A Manifesto for Future Generation Cloud Computing. ACM Computing Surveys, 2019, 51, 1-38.	16.1	198
223	Containerâ€based cluster orchestration systems: A taxonomy and future directions. Software - Practice and Experience, 2019, 49, 698-719.	2.5	57
224	Integration of Cloud, Internet of Things, and Big Data Analytics. Software - Practice and Experience, 2019, 49, 561-564.	2.5	9
225	Optimal Fitness Aware Cloud Service Composition using an Adaptive Genotypes Evolution based Genetic Algorithm. Future Generation Computer Systems, 2019, 94, 185-198.	4.9	32
226	Dynamic replication and migration of data objects with hot-spot and cold-spot statuses across storage data centers. Journal of Parallel and Distributed Computing, 2019, 126, 121-133.	2.7	25
227	ACAS: An anomaly-based cause aware auto-scaling framework for clouds. Journal of Parallel and Distributed Computing, 2019, 126, 107-120.	2.7	17
228	Energy-aware virtual machine allocation for cloud with resource reservation. Journal of Systems and Software, 2019, 147, 147-161.	3.3	98
229	Performance-Oriented Deployment of Streaming Applications on Cloud. IEEE Transactions on Big Data, 2019, 5, 46-59.	4.4	23
230	iBrownout: An Integrated Approach for Managing Energy and Brownout in Container-Based Clouds. IEEE Transactions on Sustainable Computing, 2019, 4, 53-66.	2.2	27
231	Quality of Experience (QoE)-aware placement of applications in Fog computing environments. Journal of Parallel and Distributed Computing, 2019, 132, 190-203.	2.7	214
232	Resource Provisioning Based Scheduling Framework for Execution of Heterogeneous and Clustered Workloads in Clouds: from Fundamental to Autonomic Offering. Journal of Grid Computing, 2019, 17, 385-417.	2.5	49
233	SELCLOUD: a hybrid multi-criteria decision-making model for selection of cloud services. Soft Computing, 2019, 23, 4701-4715.	2.1	95
234	Cost Optimization for Dynamic Replication and Migration of Data in Cloud Data Centers. IEEE Transactions on Cloud Computing, 2019, 7, 705-718.	3.1	60

#	ARTICLE	IF	CITATIONS
235	Elastic Load Balancing for Dynamic Virtual Machine Reconfiguration Based on Vertical and Horizontal Scaling. IEEE Transactions on Services Computing, 2019, 12, 319-334.	3.2	34
236	Edge Affinity-based Management of Applications in Fog Computing Environments. , 2019, , .		17
237	Microservices-based IoT Application Placement within Heterogeneous and Resource Constrained Fog Computing Environments. , 2019, , .		55
238	J-OPT: A Joint Host and Network Optimization Algorithm for Energy-Efficient Workflow Scheduling in Cloud Data Centers. , 2019, , .		5
239	Resource Management and Scheduling for Big Data Applications in Cloud Computing Environments. Advances in Computer and Electrical Engineering Book Series, 2019, , 1-23.	0.2	4
240	An API for Development of User-Defined Scheduling Algorithms in Aneka PaaS Cloud Software. Advances in Computer and Electrical Engineering Book Series, 2019, , 170-187.	0.2	2
241	SoCo-ITS. , 2019, , .		3
242	An Inter-Cloud Meta-Scheduling (ICMS) Simulation Framework: Architecture and Evaluation. IEEE Transactions on Services Computing, 2018, 11, 5-19.	3.2	32
243	On minimizing total energy consumption in the scheduling of virtual machine reservations. Journal of Network and Computer Applications, 2018, 113, 64-74.	5.8	34
244	Secure policy execution using reusable garbled circuit in the cloud. Future Generation Computer Systems, 2018, 87, 488-501.	4.9	7
245	Cost-Efficient and Robust On-Demand Video Transcoding Using Heterogeneous Cloud Services. IEEE Transactions on Parallel and Distributed Systems, 2018, 29, 556-571.	4.0	57
246	Cloud-Fog Interoperability in IoT-enabled Healthcare Solutions. , 2018, , .		109
247	C2OF2N: a low power cooperative code offloading method for femtolet-based fog network. Journal of Supercomputing, 2018, 74, 2412-2448.	2.4	25
248	An Online Algorithm for Task Offloading in Heterogeneous Mobile Clouds. ACM Transactions on Internet Technology, 2018, 18, 1-25.	3.0	54
249	Web Service Interaction Modeling and Verification Using Recursive Composition Algebra. IEEE Transactions on Services Computing, 2018, , 1-1.	3.2	9
250	Searching for the IoT Resources: Fundamentals, Requirements, Comprehensive Review, and Future Directions. IEEE Communications Surveys and Tutorials, 2018, 20, 2101-2132.	24.8	140
251	SECURE: Self-Protection Approach in Cloud Resource Management. IEEE Cloud Computing, 2018, 5, 60-72.	5.3	25
252	Novel Scheduling Algorithms for Efficient Deployment of MapReduce Applications in Heterogeneous Computing Environments. IEEE Transactions on Cloud Computing, 2018, 6, 1080-1095.	3.1	18



#	ARTICLE	IF	CITATIONS
253	Using Proactive Fault-Tolerance Approach to Enhance Cloud Service Reliability. IEEE Transactions on Cloud Computing, 2018, 6, 1191-1202.	3.1	73
254	Scheduling dynamic workloads in multi-tenant scientific workflow as a service platforms. Future Generation Computer Systems, 2018, 79, 739-750.	4.9	70
255	Resource provisioning for data-intensive applications with deadline constraints on hybrid clouds using Aneka. Future Generation Computer Systems, 2018, 79, 765-775.	4.9	70
256	Self managed virtual machine scheduling in Cloud systems. Information Sciences, 2018, 433-434, 381-400.	4.0	51
257	QoS-aware Big service composition using MapReduce based evolutionary algorithm with guided mutation. Future Generation Computer Systems, 2018, 86, 1008-1018.	4.9	52
258	Fog Computing: A Taxonomy, Survey and Future Directions. Internet of Things, 2018, , 103-130.	1.3	538
259	TDRM: tensor-based data representation and mining for healthcare data in cloud computing environments. Journal of Supercomputing, 2018, 74, 592-614.	2.4	13
260	Next generation cloud computing: New trends and research directions. Future Generation Computer Systems, 2018, 79, 849-861.	4.9	528
261	Dynamic Virtual Machine Consolidation Algorithms for Energy-Efficient Cloud Resource Management: A Review. , 2018, , 135-165.		34
262	Short-Term Prediction Model to Maximize Renewable Energy Usage in Cloud Data Centers. , 2018, , 203-218.		3
263	Split keyword fuzzy and synonym search over encrypted cloud data. Multimedia Tools and Applications, 2018, 77, 10135-10156.	2.6	5
264	Rethinking elastic online scheduling of big data streaming applications over high-velocity continuous data streams. Journal of Supercomputing, 2018, 74, 615-636.	2.4	27
265	Distributed data stream processing and edge computing: A survey on resource elasticity and future directions. Journal of Network and Computer Applications, 2018, 103, 1-17.	5.8	232
266	Data Storage Management in Cloud Environments. ACM Computing Surveys, 2018, 50, 1-51.	16.1	61
267	An adaptive multi-objective evolutionary algorithm for constrained workflow scheduling in Clouds. Distributed and Parallel Databases, 2018, 36, 339-368.	1.0	31
268	BULLET: Particle Swarm Optimization Based Scheduling Technique for Provisioned Cloud Resources. Journal of Network and Systems Management, 2018, 26, 361-400.	3.3	61
269	CHOPPER: an intelligent QoS-aware autonomic resource management approach for cloud computing. Cluster Computing, 2018, 21, 1203-1241.	3.5	62
270	A Multi-Agent Elasticity Management Based on Multi-Tenant Debt Exchanges. , 2018, , .		1

#	ARTICLE	IF	CITATIONS
271	Multi-Tenant Cloud Service Composition Using Evolutionary Optimization. , 2018, , .		14
272	Acinonyx: Dynamic Flow Scheduling for Virtual Machine Migration in SDN-Enabled Clouds. , 2018, , .		1
273	Unfolding the Mutual Relation Between Timeliness and Scalability in Cloud Monitoring. , 2018, , .		1
274	Task Runtime Prediction in Scientific Workflows Using an Online Incremental Learning Approach. , 2018, , .		25
275	A Fuzzy-Based Auto-scaler for Web Applications in Cloud Computing Environments. Lecture Notes in Computer Science, 2018, , 797-811.	1.0	14
276	A Deadline-Constrained Multi-Objective Task Scheduling Algorithm in Mobile Cloud Environments. IEEE Access, 2018, 6, 52982-52996.	2.6	26
277	Internet of Things as a Service (iTaaS): Challenges and solutions for management of sensor data on the cloud and the fog. Internet of Things (Netherlands), 2018, 3-4, 156-174.	4.9	65
278	Emergent Failures: Rethinking Cloud Reliability at Scale. IEEE Cloud Computing, 2018, 5, 12-21.	5.3	34
279	CLOUDS-Pi: A Low-Cost Raspberry-Pi based Micro Data Center for Software-Defined Cloud Computing. IEEE Cloud Computing, 2018, 5, 81-91.	5.3	16
280	Metaheuristics in cloud computing. Software - Practice and Experience, 2018, 48, 1729-1733.	2.5	6
281	A Holistic Evaluation of Docker Containers for Interfering Microservices. , 2018, , .		25
282	SSSSS: Search for Social Similar Smart Objects in SloT. , 2018, , .		5
283	Ontology based Service Discovery for Intelligent Transport Systems using Internet of Things. , 2018, , .		3
284	SARRC: Secure Auditing and Re-signing of Revoked Customer Chunks by Cloud Using Regression Method. , 2018, , .		0
285	A collaborative filtering recommendation method based on discrete quantum-inspired shuffled frog leaping algorithms in social networks. Future Generation Computer Systems, 2018, 88, 262-270.	4.9	22
286	Application-aware end-to-end delay and message loss estimation in Internet of Things (IoT) â€”MQTT-SN protocols. Future Generation Computer Systems, 2018, 89, 300-316.	4.9	39
287	Costâ€efficient and networkâ€aware dynamic repartitioningâ€based algorithms for scheduling largeâ€scale graphs in cloud computing environments. Software - Practice and Experience, 2018, 48, 2174-2192.	2.5	3
288	Analyzing Energy-Efficiency of Two Scheduling Policies in Compute-Intensive Applications on Cloud. IEEE Access, 2018, 6, 45515-45526.	2.6	7

#	ARTICLE	IF	CITATIONS
289	PAX: Partition-aware autoscaling for the Cassandra NoSQL database. , 2018, , .		2
290	Exploiting user provided information in dynamic consolidation of virtual machines to minimize energy consumption of cloud data centers. , 2018, , .		13
291	The Next Grand Challenges: Integrating the Internet of Things and Data Science. IEEE Cloud Computing, 2018, 5, 12-26.	5.3	74
292	Metropolitan intelligent surveillance systems for urban areas by harnessing IoT and edge computing paradigms. Software - Practice and Experience, 2018, 48, 1475-1492.	2.5	35
293	Detecting performance anomalies in scientific workflows using hierarchical temporal memory. Future Generation Computer Systems, 2018, 88, 624-635.	4.9	25
294	Cloud-SEnergy: A bin-packing based multi-cloud service broker for energy efficient composition and execution of data-intensive applications. Sustainable Computing: Informatics and Systems, 2018, 19, 242-252.	1.6	37
295	TSLAM. ACM Transactions on Autonomous and Adaptive Systems, 2018, 13, 1-41.	0.4	8
296	A Stepwise Auto-Profiling Method for Performance Optimization of Streaming Applications. ACM Transactions on Autonomous and Adaptive Systems, 2018, 12, 1-33.	0.4	19
297	Cloud Computing Market Segmentation. , 2018, , .		7
298	Cloud Log Forensics. ACM Computing Surveys, 2017, 49, 1-42.	16.1	59
299	Ensuring Security and Privacy Preservation for Cloud Data Services. ACM Computing Surveys, 2017, 49, 1-39.	16.1	115
300	mCloud: A Context-Aware Offloading Framework for Heterogeneous Mobile Cloud. IEEE Transactions on Services Computing, 2017, 10, 797-810.	3.2	103
301	Cloud Service Reliability Enhancement via Virtual Machine Placement Optimization. IEEE Transactions on Services Computing, 2017, 10, 902-913.	3.2	130
302	Computational Intelligence Based QoS-Aware Web Service Composition: A Systematic Literature Review. IEEE Transactions on Services Computing, 2017, 10, 475-492.	3.2	138
303	CloudNetSim++: A GUI Based Framework for Modeling and Simulation of Data Centers in OMNeT++. IEEE Transactions on Services Computing, 2017, 10, 506-519.	3.2	16
304	CloudEyes: Cloud-based malware detection with reversible sketch for resource-constrained internet of things (IoT) devices. Software - Practice and Experience, 2017, 47, 421-441.	2.5	74
305	Mitigating impact of short-term overload on multi-cloud web applications through geographical load balancing. Concurrency Computation Practice and Experience, 2017, 29, e4126.	1.4	15
306	Renewable-aware geographical load balancing of web applications for sustainable data centers. Journal of Network and Computer Applications, 2017, 83, 155-168.	5.8	73

#	ARTICLE	IF	CITATIONS
307	SLA-Aware and Energy-Efficient Dynamic Overbooking in SDN-Based Cloud Data Centers. IEEE Transactions on Sustainable Computing, 2017, 2, 76-89.	2.2	73
308	Mobility-Aware Application Scheduling in Fog Computing. IEEE Cloud Computing, 2017, 4, 26-35.	5.3	319
309	Online virtual machine migration for renewable energy usage maximization in geographically distributed cloud data centers. Concurrency Computation Practice and Experience, 2017, 29, e4125.	1.4	34
310	Dynamic VM Placement Method for Minimizing Energy and Carbon Cost in Geographically Distributed Cloud Data Centers. IEEE Transactions on Sustainable Computing, 2017, 2, 183-196.	2.2	96
311	On the effectiveness of isolation-based anomaly detection in cloud data centers. Concurrency Computation Practice and Experience, 2017, 29, e4169.	1.4	31
312	A survey on load balancing algorithms for virtual machines placement in cloud computing. Concurrency Computation Practice and Experience, 2017, 29, e4123.	1.4	151
313	DDoS attacks in cloud computing: Issues, taxonomy, and future directions. Computer Communications, 2017, 107, 30-48.	3.1	192
314	Combating DDoS Attacks in the Cloud: Requirements, Trends, and Future Directions. IEEE Cloud Computing, 2017, 4, 22-32.	5.3	33
315	An energy-aware service composition algorithm for multiple cloud-based IoT applications. Journal of Network and Computer Applications, 2017, 89, 96-108.	5.8	162
316	Mobile Cloud Business Process Management System for the Internet of Things. ACM Computing Surveys, 2017, 49, 1-42.	16.1	73
317	A taxonomy and survey on scheduling algorithms for scientific workflows in IaaS cloud computing environments. Concurrency Computation Practice and Experience, 2017, 29, e4041.	1.4	161
318	Dynamic Voltage and Frequency Scaling-aware dynamic consolidation of virtual machines for energy efficient cloud data centers. Concurrency Computation Practice and Experience, 2017, 29, e4067.	1.4	82
319	An algorithm for network and data-aware placement of multi-tier applications in cloud data centers. Journal of Network and Computer Applications, 2017, 98, 65-83.	5.8	31
320	Indie Fog: An Efficient Fog-Computing Infrastructure for the Internet of Things. Computer, 2017, 50, 92-98.	1.2	91
321	MapReduce-Based Algorithms for Managing Big RDF Graphs: State-of-the-Art Analysis, Paradigms, and Future Directions. , 2017, , .		6
322	iFogSim: A toolkit for modeling and simulation of resource management techniques in the Internet of Things, Edge and Fog computing environments. Software - Practice and Experience, 2017, 47, 1275-1296.	2.5	972
323	Special issue on cloud computing for scientific and business needs. CSI Transactions on ICT, 2017, 5, 339-339.	0.7	0
324	Location-aware brokering for consumers in multi-cloud computing environments. Journal of Network and Computer Applications, 2017, 95, 79-93.	5.8	24

#	ARTICLE	IF	CITATIONS
325	A Taxonomy and Survey of Stream Processing Systems. , 2017, , 183-206.		6
326	A Taxonomy and Survey of Fault-Tolerant Workflow Management Systems in Cloud and Distributed Computing Environments. , 2017, , 285-320.		20
327	Scientific Workflow Management System for Clouds. , 2017, , 367-387.		8
328	Budget-Driven Scheduling of Scientific Workflows in IaaS Clouds with Fine-Grained Billing Periods. ACM Transactions on Autonomous and Adaptive Systems, 2017, 12, 1-22.	0.4	70
329	E-eco: Performance-aware energy-efficient cloud data center orchestration. Journal of Network and Computer Applications, 2017, 78, 83-96.	5.8	36
330	Service resizing for quick DDoS mitigation in cloud computing environment. Annales Des Telecommunications/Annals of Telecommunications, 2017, 72, 237-252.	1.6	28
331	ContainerCloudSim: An environment for modeling and simulation of containers in cloud data centers. Software - Practice and Experience, 2017, 47, 505-521.	2.5	106
332	Attribute-based data access control in mobile cloud computing: Taxonomy and open issues. Future Generation Computer Systems, 2017, 72, 273-287.	4.9	71
333	XHAMI - extended HDFS and MapReduce interface for Big Data image processing applications in cloud computing environments. Software - Practice and Experience, 2017, 47, 455-472.	2.5	15
334	Application-aware cloudlet selection for computation offloading in multi-cloudlet environment. Journal of Supercomputing, 2017, 73, 1672-1690.	2.4	75
335	Deadline-constrained coevolutionary genetic algorithm for scientific workflow scheduling in cloud computing. Concurrency Computation Practice and Experience, 2017, 29, e3942.	1.4	88
336	Dynamic Selection of Virtual Machines for Application Servers in Cloud Environments. , 2017, , 187-210.		0
337	E-Storm: Replication-Based State Management in Distributed Stream Processing Systems. , 2017, , .		12
338	dSpark: Deadline-Based Resource Allocation for Big Data Applications in Apache Spark. , 2017, , .		24
339	Task-Based Budget Distribution Strategies for Scientific Workflows with Coarse-Grained Billing Periods in IaaS Clouds. , 2017, , .		7
340	D-Storm: Dynamic Resource-Efficient Scheduling of Stream Processing Applications. , 2017, , .		26
341	IoT Based Agriculture as a Cloud and Big Data Service. Journal of Organizational and End User Computing, 2017, 29, 1-23.	1.6	93
342	A Group-based Fault Tolerant Mechanism for Heterogeneous Mobile Clouds. , 2017, , .		2

#	ARTICLE	IF	CITATIONS
343	Energy Efficient Scheduling of Application Components via Brownout and Approximate Markov Decision Process. Lecture Notes in Computer Science, 2017, , 206-220.	1.0	12
344	Virtual Networking with Azure for Hybrid Cloud Computing in Aneka. , 2017, , 93-114.		2
345	A Survey and Taxonomy of Energy Efficient Resource Management Techniques in Platform as a Service Cloud. Advances in Systems Analysis, Software Engineering, and High Performance Computing Book Series, 2017, , 410-454.	0.5	14
346	Energy and Carbon Footprint-Aware Management of Geo-Distributed Cloud Data Centers. Advances in Data Mining and Database Management Book Series, 2017, , 27-46.	0.4	12
347	A Debt-Aware Learning Approach for Resource Adaptations in Cloud Elasticity Management. Lecture Notes in Computer Science, 2017, , 367-382.	1.0	5
348	Cloud Bursting: Managing Peak Loads by Leasing Public Cloud Services. , 2017, , 343-367.		4
349	On Elasticity Measurement in Cloud Computing. Scientific Programming, 2016, 2016, 1-13.	0.5	11
350	RSSMSO Rapid Similarity Search on Metric Space Object Stored in Cloud Environment. International Journal of Organizational and Collective Intelligence, 2016, 6, 33-49.	0.3	3
351	Dynamic resource demand prediction and allocation in multi-tenant service clouds. Concurrency Computation Practice and Experience, 2016, 28, 4429-4442.	1.4	50
352	Automatic Provisioning of Intercloud Resources driven by Nonfunctional Requirements of Applications. , 2016, , 446-461.		0
353	FRORSS: Fast result object retrieval using similarity search on cloud. , 2016, , .		1
354	Elasticity debt. , 2016, , .		5
355	A Geospatial Orchestration Framework on Cloud for Processing User Queries. , 2016, , .		8
356	Energy Efficient Scheduling of Cloud Application Components with Brownout. IEEE Transactions on Sustainable Computing, 2016, 1, 40-53.	2.2	28
357	A reliable and cost-efficient auto-scaling system for web applications using heterogeneous spot instances. Journal of Network and Computer Applications, 2016, 65, 167-180.	5.8	67
358	HScheduler: an optimal approach to minimize the makespan of multiple MapReduce jobs. Journal of Supercomputing, 2016, 72, 2376-2393.	2.4	23
359	Regulations and latency-aware load distribution of web applications in Multi-Clouds. Journal of Supercomputing, 2016, 72, 3261-3280.	2.4	8
360	SOC CER: Self-Optimization of Energy-efficient Cloud Resources. Cluster Computing, 2016, 19, 1787-1800.	3.5	49

#	ARTICLE	IF	CITATIONS
361	iGiraph: A Cost-Efficient Framework for Processing Large-Scale Graphs on Public Clouds. , 2016, , .		9
362	The anatomy of big data computing. Software - Practice and Experience, 2016, 46, 79-105.	2.5	125
363	DRSIG: Domain and Range Specific Index Generation for encrypted Cloud data. , 2016, , .		1
364	To move or not to move: Cost optimization in a dual cloud-based storage architecture. Journal of Network and Computer Applications, 2016, 75, 223-235.	5.8	29
365	Index Generation and Secure Multi-user Access Control over an Encrypted Cloud Data. Procedia Computer Science, 2016, 89, 293-300.	1.2	13
366	Fog Computing: Helping the Internet of Things Realize Its Potential. Computer, 2016, 49, 112-116.	1.2	776
367	Hybrid Cryptographic Access Control for Cloud-Based EHR Systems. IEEE Cloud Computing, 2016, 3, 58-64.	5.3	52
368	CVSS: A Cost-Efficient and QoS-Aware Video Streaming Using Cloud Services. , 2016, , .		31
369	Formal Verification of the xDAuth Protocol. IEEE Transactions on Information Forensics and Security, 2016, , 1-1.	4.5	7
370	Monitoring of cloud computing environments. , 2016, , .		40
371	<i>SipaaS</i>: Spot instance pricing as a Service framework and its implementation in OpenStack. Concurrency Computation Practice and Experience, 2016, 28, 3672-3690.	1.4	5
372	Maximum revenue-oriented resource allocation in cloud. International Journal of Grid and Utility Computing, 2016, 7, 12.	0.1	32
373	An Auction Mechanism for Cloud Spot Markets. ACM Transactions on Autonomous and Adaptive Systems, 2016, 11, 1-33.	0.4	45
374	An efficient and secure privacy-preserving approach for outsourced data of resource constrained mobile devices in cloud computing. Journal of Network and Computer Applications, 2016, 64, 12-22.	5.8	151
375	Workload-aware incremental repartitioning of shared-nothing distributed databases for scalable OLTP applications. Future Generation Computer Systems, 2016, 56, 421-435.	4.9	16
376	Virtual Machine Customization and Task Mapping Architecture for Efficient Allocation of Cloud Data Center Resources. Computer Journal, 2016, 59, 208-224.	1.5	36
377	&lt;sc>Heads-Join:&/sc> Efficient Earth Mover's Distance Similarity Joins on Hadoop. IEEE Transactions on Parallel and Distributed Systems, 2016, 27, 1660-1673.	4.0	15
378	Enhancing Reliability of Workflow Execution Using Task Replication and Spot Instances. ACM Transactions on Autonomous and Adaptive Systems, 2016, 10, 1-21.	0.4	57



#	ARTICLE	IF	CITATIONS
379	XHAMI – Extended HDFS and MapReduce Interface for Image Processing Applications. , 2015, , .		3
380	PriDynSim a Simulator for Dynamic Priority Based I/O Scheduling for Cloud Applications. , 2015, , .		2
381	MSIGT: Most Significant Index Generation Technique for cloud environment. , 2015, , .		12
382	The interplay between timeliness and scalability in cloud monitoring systems. , 2015, , .		5
383	An economic mechanism for request routing and resource allocation in hybrid CDN&P2P networks. International Journal of Network Management, 2015, 25, 375-393.	1.4	18
384	Remote Data Auditing in Cloud Computing Environments. ACM Computing Surveys, 2015, 47, 1-34.	16.1	95
385	A Responsive Knapsack-Based Algorithm for Resource Provisioning and Scheduling of Scientific Workflows in Clouds. , 2015, , .		23
386	DVFS-Aware Consolidation for Energy-Efficient Clouds. , 2015, , .		20
387	IGSK: Index Generation on Split Keyword for search over cloud data. , 2015, , .		9
388	On Application of Ontology and Consensus Theory to Human-Centric IoT: An Emergency Management Case Study. , 2015, , .		2
389	Multi-cloud resource provisioning with Aneka: A unified and integrated utilisation of microsoft azure and amazon EC2 instances. , 2015, , .		15
390	A Framework and Algorithm for Energy Efficient Container Consolidation in Cloud Data Centers. , 2015, , .		77
391	SLA-Based Resource Scheduling for Big Data Analytics as a Service in Cloud Computing Environments. , 2015, , .		27
392	Service Level Agreement(SLA) Based SaaS Cloud Management System. , 2015, , .		7
393	Big Data Analytics-Enhanced Cloud Computing: Challenges, Architectural Elements, and Future Directions. , 2015, , .		19
394	Revenue Maximization with Optimal Capacity Control in Infrastructure as a Service Cloud Markets. IEEE Transactions on Cloud Computing, 2015, 3, 261-274.	3.1	48
395	CloudPick: a framework for QoS&aware and ontology&based service deployment across clouds. Software - Practice and Experience, 2015, 45, 197-231.	2.5	29
396	Clabacus: A Risk-Adjusted Cloud Resources Pricing Model Using Financial Option Theory. IEEE Transactions on Cloud Computing, 2015, 3, 332-344.	3.1	25

#	ARTICLE	IF	CITATIONS
397	A note on resource orchestration for cloud computing. Concurrency Computation Practice and Experience, 2015, 27, 2370-2372.	1.4	14
398	An Autonomous Time-Dependent SLA Negotiation Strategy for Cloud Computing. Computer Journal, 2015, 58, 3202-3216.	1.5	37
399	Simurgh: A framework for effective discovery, programming, and integration of services exposed in IoT. , 2015, , .		24
400	A data-centric framework for development and deployment of Internet of Things applications in clouds. , 2015, , .		25
401	OpenStack Neat: a framework for dynamic and energy-efficient consolidation of virtual machines in OpenStack clouds. Concurrency Computation Practice and Experience, 2015, 27, 1310-1333.	1.4	133
402	Seamless application execution in mobile cloud computing: Motivation, taxonomy, and open challenges. Journal of Network and Computer Applications, 2015, 52, 154-172.	5.8	121
403	Mobile code offloading: from concept to practice and beyond. , 2015, 53, 80-88.		135
404	Workload modeling for resource usage analysis and simulation in cloud computing. Computers and Electrical Engineering, 2015, 47, 69-81.	3.0	77
405	A Context Sensitive Offloading Scheme for Mobile Cloud Computing Service. , 2015, , .		99
406	A status report on IEEE Transactions on Cloud Computing. IEEE Transactions on Cloud Computing, 2015, 3, 100-100.	3.1	0
407	SLO-Aware Deployment of Web Applications Requiring Strong Consistency Using Multiple Clouds. , 2015, , .		2
408	Decentralised workflow scheduling in volunteer computing systems. International Journal of Parallel, Emergent and Distributed Systems, 2015, 30, 343-365.	0.7	5
409	Software Rejuvenation Based Fault Tolerance Scheme for Cloud Applications. , 2015, , .		26
410	Efficient Virtual Machine Sizing for Hosting Containers as a Service (SERVICES 2015). , 2015, , .		31
411	CloudSimSDN: Modeling and Simulation of Software-Defined Cloud Data Centers. , 2015, , .		71
412	Big Data computing and clouds: Trends and future directions. Journal of Parallel and Distributed Computing, 2015, 79-80, 3-15.	2.7	583
413	Improving Productivity in Design and Development of Information Technology (IT) Service Delivery Simulation Models. Journal of Service Research, 2015, 18, 75-89.	7.8	18
414	Workload Prediction Using ARIMA Model and Its Impact on Cloud Applications's QoS. IEEE Transactions on Cloud Computing, 2015, 3, 449-458.	3.1	386

#	ARTICLE	IF	CITATIONS
415	Application partitioning algorithms in mobile cloud computing: Taxonomy, review and future directions. Journal of Network and Computer Applications, 2015, 48, 99-117.	5.8	130
416	Network-centric performance analysis of runtime application migration in mobile cloud computing. Simulation Modelling Practice and Theory, 2015, 50, 42-56.	2.2	83
417	A Fuzzy Logic-Based Controller for Cost and Energy Efficient Load Balancing in Geo-distributed Data Centers. , 2015, , .		31
418	Network-Aware Virtual Machine Placement and Migration in Cloud Data Centers. Advances in Systems Analysis, Software Engineering, and High Performance Computing Book Series, 2015, , 42-91.	0.5	28
419	SLA-Aware Provisioning and Scheduling of Cloud Resources for Big Data Analytics. , 2014, , .		29
420	Outsourcing Resource-Intensive Tasks from Mobile Apps to Clouds: Android and Aneka Integration. , 2014, , .		10
421	Guest editorial: Cloud computing. China Communications, 2014, 11, i-ii.	2.0	0
422	Workload-Aware Incremental Repartitioning of Shared-Nothing Distributed Databases for Scalable Cloud Applications. , 2014, , .		5
423	Energy-Efficient Scheduling of Urgent Bag-of-Tasks Applications in Clouds through DVFS. , 2014, , .		45
424	Genetic Algorithm Based Data-Aware Group Scheduling for Big Data Clouds. , 2014, , .		8
425	Contention management in federated virtualized distributed systems: implementation and evaluation. Software - Practice and Experience, 2014, 44, 353-368.	2.5	8
426	CloudNetSim++: A toolkit for data center simulations in OMNET++. , 2014, , .		21
427	Software-Defined Cloud Computing: Architectural elements and open challenges. , 2014, , .		42
428	Virtual Machine Consolidation in Cloud Data Centers Using ACO Metaheuristic. Lecture Notes in Computer Science, 2014, , 306-317.	1.0	117
429	Heterogeneity in Mobile Cloud Computing: Taxonomy and Open Challenges. IEEE Communications Surveys and Tutorials, 2014, 16, 369-392.	24.8	465
430	A survey on vehicular cloud computing. Journal of Network and Computer Applications, 2014, 40, 325-344.	5.8	665
431	Semantic-enabled CARE Resource Broker (SeCRB) for managing grid and cloud environment. Journal of Supercomputing, 2014, 68, 509-556.	2.4	16
432	Compatibility-Aware Cloud Service Composition under Fuzzy Preferences of Users. IEEE Transactions on Cloud Computing, 2014, 2, 1-13.	3.1	78

#	ARTICLE	IF	CITATIONS
433	Cloud-Based Augmentation for Mobile Devices: Motivation, Taxonomies, and Open Challenges. IEEE Communications Surveys and Tutorials, 2014, 16, 337-368.	24.8	342
434	Interconnected Cloud Computing Environments. ACM Computing Surveys, 2014, 47, 1-47.	16.1	313
435	SLA-Based Resource Provisioning for Hosted Software-as-a-Service Applications in Cloud Computing Environments. IEEE Transactions on Services Computing, 2014, 7, 465-485.	3.2	100
436	Computational Offloading or Data Binding? Bridging the Cloud Infrastructure to the Proximity of the Mobile User. , 2014, , .		18
437	Energy-traffic tradeoff cooperative offloading for mobile cloud computing. , 2014, , .		29
438	MELODY-JOIN: Efficient Earth Mover's Distance similarity joins using MapReduce. , 2014, , .		16
439	An economic replica placement mechanism for streaming content distribution in Hybrid CDN-P2P networks. Computer Communications, 2014, 52, 60-70.	3.1	19
440	SLA-based virtual machine management for heterogeneous workloads in a cloud datacenter. Journal of Network and Computer Applications, 2014, 45, 108-120.	5.8	187
441	A note on software tools and techniques for monitoring and prediction of cloud services. Software - Practice and Experience, 2014, 44, 771-775.	2.5	10
442	Multi-Cloud Provisioning and Load Distribution for Three-Tier Applications. ACM Transactions on Autonomous and Adaptive Systems, 2014, 9, 1-21.	0.4	60
443	Robust Scheduling of Scientific Workflows with Deadline and Budget Constraints in Clouds. , 2014, , .		99
444	A Cloud Trust Evaluation System Using Hierarchical Fuzzy Inference System for Service Selection. , 2014, , .		44
445	QoS-based Task Group Deployment on Grid by Learning the Performance Data. Journal of Grid Computing, 2014, 12, 465-483.	2.5	3
446	Deadline Based Resource Provisioning and Scheduling Algorithm for Scientific Workflows on Clouds. IEEE Transactions on Cloud Computing, 2014, 2, 222-235.	3.1	539
447	Meeting Deadlines of Scientific Workflows in Public Clouds with Tasks Replication. IEEE Transactions on Parallel and Distributed Systems, 2014, 25, 1787-1796.	4.0	181
448	Fault-tolerant Workflow Scheduling using Spot Instances on Clouds. Procedia Computer Science, 2014, 29, 523-533.	1.2	90
449	Inter-Cloud architectures and application brokering: taxonomy and survey. Software - Practice and Experience, 2014, 44, 369-390.	2.5	356
450	Resource provisioning based on preempting virtual machines in distributed systems. Concurrency Computation Practice and Experience, 2014, 26, 412-433.	1.4	17

#	ARTICLE	IF	CITATIONS
451	Bandwidth-aware divisible task scheduling for cloud computing. Software - Practice and Experience, 2014, 44, 163-174.	2.5	101
452	Taxonomy of Contention Management in Interconnected Distributed Systems. , 2014, , 1-34.		1
453	Scalable Deployment of a LIGO Physics Application on Public Clouds: Workflow Engine and Resource Provisioning Techniques. , 2014, , 3-25.		2
454	EMUSIM: an integrated emulation and simulation environment for modeling, evaluation, and validation of performance of Cloud computing applications. Software - Practice and Experience, 2013, 43, 595-612.	2.5	73
455	Energy and Carbon-Efficient Placement of Virtual Machines in Distributed Cloud Data Centers. Lecture Notes in Computer Science, 2013, , 317-328.	1.0	78
456	A two phased service oriented Broker for replica selection in data grids. Future Generation Computer Systems, 2013, 29, 953-972.	4.9	10
457	CycloidGrid: A proximity-aware P2P-based resource discovery architecture in volunteer computing systems. Future Generation Computer Systems, 2013, 29, 1583-1595.	4.9	28
458	A proximity-aware load balancing in peer-to-peer-based volunteer computing systems. Journal of Supercomputing, 2013, 65, 797-822.	2.4	8
459	Mandi: a market exchange for trading utility and cloud computing services. Journal of Supercomputing, 2013, 64, 1153-1174.	2.4	56
460	Brokering Algorithms for Optimizing the Availability and Cost of Cloud Storage Services. , 2013, , .		33
461	Automated SLA Negotiation Framework for Cloud Computing. , 2013, , .		20
462	Scaling MapReduce Applications Across Hybrid Clouds to Meet Soft Deadlines. , 2013, , .		56
463	A Review on Distributed Application Processing Frameworks in Smart Mobile Devices for Mobile Cloud Computing. IEEE Communications Surveys and Tutorials, 2013, 15, 1294-1313.	24.8	244
464	Managing Overloaded Hosts for Dynamic Consolidation of Virtual Machines in Cloud Data Centers under Quality of Service Constraints. IEEE Transactions on Parallel and Distributed Systems, 2013, 24, 1366-1379.	4.0	386
465	Enhancing performance of failure-prone clusters by adaptive provisioning of cloud resources. Journal of Supercomputing, 2013, 63, 467-489.	2.4	16
466	A framework for ranking of cloud computing services. Future Generation Computer Systems, 2013, 29, 1012-1023.	4.9	699
467	Grid Authorization Graph. Future Generation Computer Systems, 2013, 29, 1909-1918.	4.9	5
468	Adaptive workflow scheduling for dynamic grid and cloud computing environment. Concurrency Computation Practice and Experience, 2013, 25, 1816-1842.	1.4	103

#	ARTICLE	IF	CITATIONS
469	Characterizing spot price dynamics in public cloud environments. Future Generation Computer Systems, 2013, 29, 988-999.	4.9	82
470	Double auction-inspired meta-scheduling of parallel applications on global grids. Journal of Parallel and Distributed Computing, 2013, 73, 450-464.	2.7	27
471	Internet of Things (IoT): A vision, architectural elements, and future directions. Future Generation Computer Systems, 2013, 29, 1645-1660.	4.9	8,719
472	Energy-aware simulation with DVFS. Simulation Modelling Practice and Theory, 2013, 39, 76-91.	2.2	121
473	Task granularity policies for deploying bag-of-task applications on global grids. Future Generation Computer Systems, 2013, 29, 170-181.	4.9	27
474	Guest Editors' Introduction: Special Issue on Cloud Computing. IEEE Transactions on Parallel and Distributed Systems, 2013, 24, 1062-1065.	4.0	3
475	An environment for modeling and simulation of message-passing parallel applications for cloud computing. Software - Practice and Experience, 2013, 43, 1359-1375.	2.5	10
476	Cloud scalability: building the Millennium Falcon. Concurrency Computation Practice and Experience, 2013, 25, 1623-1627.	1.4	2
477	An Iterative Optimization Framework for Adaptive Workflow Management in Computational Clouds. , 2013, , .		13
478	Introduction to the IEEE Transactions on Cloud Computing. IEEE Transactions on Cloud Computing, 2013, 1, 3-21.	3.1	39
479	A Survey of Scheduling and Management Techniques for Data-Intensive Application Workflows. , 2013, , 1170-1190.		0
480	Preemption-aware Admission Control in a Virtualized Grid Federation. , 2012, , .		4
481	Preemption-Aware Energy Management in Virtualized Data Centers. , 2012, , .		18
482	Revenue Maximization Using Adaptive Resource Provisioning in Cloud Computing Environments. , 2012, , .		44
483	An Autonomous Reliability-Aware Negotiation Strategy for Cloud Computing Environments. , 2012, , .		50
484	Financial Option Market Model for Federated Cloud Environments. , 2012, , .		22
485	Reliable Provisioning of Spot Instances for Compute-intensive Applications. , 2012, , .		76
486	Cloud Resource Provisioning to Extend the Capacity of Local Resources in the Presence of Failures. , 2012, , .		17

#	ARTICLE	IF	CITATIONS
487	Failure-aware resource provisioning for hybrid Cloud infrastructure. Journal of Parallel and Distributed Computing, 2012, 72, 1318-1331.	2.7	136
488	A coordinator for scaling elastic applications across multiple clouds. Future Generation Computer Systems, 2012, 28, 1350-1362.	4.9	88
489	Preface of special issue on the economics of computing services. Future Generation Computer Systems, 2012, 28, 1283-1284.	4.9	0
490	Autonomic Cloud computing: Open challenges and architectural elements. , 2012, , .		61
491	SLA-based admission control for a Software-as-a-Service provider in Cloud computing environments. Journal of Computer and System Sciences, 2012, 78, 1280-1299.	0.9	180
492	Pricing Cloud Compute Commodities: A Novel Financial Economic Model. , 2012, , .		94
493	Cost-Effective Provisioning and Scheduling of Deadline-Constrained Applications in Hybrid Clouds. Lecture Notes in Computer Science, 2012, , , 171-184.	1.0	40
494	Scheduling Workflow Applications Based on Multi-source Parallel Data Retrieval in Distributed Computing Networks. Computer Journal, 2012, 55, 1288-1308.	1.5	10
495	Design and Development of an Adaptive Workflow-Enabled Spatial-Temporal Analytics Framework. , 2012, , .		2
496	Special section: software architectures and application development environments for Cloud computing. Software - Practice and Experience, 2012, 42, 391-394.	2.5	6
497	A dependency-aware ontology-based approach for deploying service level agreement monitoring services in Cloud. Software - Practice and Experience, 2012, 42, 501-518.	2.5	43
498	Coordinated rescheduling of Bagâ€œofâ€œTasks for executions on multiple resource providers. Concurrency Computation Practice and Experience, 2012, 24, 1362-1376.	1.4	14
499	Special section on autonomic cloud computing: technologies, services, and applications. Concurrency Computation Practice and Experience, 2012, 24, 935-937.	1.4	8
500	Optimal online deterministic algorithms and adaptive heuristics for energy and performance efficient dynamic consolidation of virtual machines in Cloud data centers. Concurrency Computation Practice and Experience, 2012, 24, 1397-1420.	1.4	1,363
501	Middleware for Clouds and eâ€œScience. Concurrency Computation Practice and Experience, 2012, 24, 1393-1396.	1.4	2
502	Coordinated load management in Peer-to-Peer coupled federated grid systems. Journal of Supercomputing, 2012, 61, 292-316.	2.4	12
503	Preface to special issue on Advances in Cloud Computing. Journal of Supercomputing, 2012, 61, 249-250.	2.4	0
504	Energy-aware resource allocation heuristics for efficient management of data centers for Cloud computing. Future Generation Computer Systems, 2012, 28, 755-768.	4.9	2,163



#	ARTICLE	IF	CITATIONS
505	An autonomic cloud environment for hosting ECG data analysis services. Future Generation Computer Systems, 2012, 28, 147-154.	4.9	192
506	Deadline-driven provisioning of resources for scientific applications in hybrid clouds with Aneka. Future Generation Computer Systems, 2012, 28, 58-65.	4.9	136
507	The Aneka platform and QoS-driven resource provisioning for elastic applications on hybrid Clouds. Future Generation Computer Systems, 2012, 28, 861-870.	4.9	144
508	Towards autonomic detection of SLA violations in Cloud infrastructures. Future Generation Computer Systems, 2012, 28, 1017-1029.	4.9	163
509	QoS and preemption aware scheduling in federated and virtualized Grid computing environments. Journal of Parallel and Distributed Computing, 2012, 72, 231-245.	2.7	15
510	The optimization of replica distribution in the unstructured overlays. Science China Information Sciences, 2012, 55, 714-722.	2.7	1
511	Service Level Agreement (SLA) in Utility Computing Systems. , 2012, , 286-310.		46
512	Service Level Agreement (SLA) in Utility Computing Systems. Advances in Web Technologies and Engineering Book Series, 2012, , 1-25.	0.4	15
513	On the Performance of Content Delivery Clouds. , 2012, , 29-54.		0
514	Resource Co-Allocation in Grid Computing Environments. , 2012, , 100-118.		0
515	Architectural Elements of Resource Sharing Networks. , 2012, , 153-184.		2
516	NetworkCloudSim: Modelling Parallel Applications in Cloud Simulations. , 2011, , .		157
517	SMICloud: A Framework for Comparing and Ranking Cloud Services. , 2011, , .		226
518	Statistical Modeling of Spot Instance Prices in Public Cloud Environments. , 2011, , .		109
519	SLA-Based Resource Provisioning for Heterogeneous Workloads in a Virtualized Cloud Datacenter. Lecture Notes in Computer Science, 2011, , 371-384.	1.0	72
520	SLA-Based Resource Allocation for Software as a Service Provider (SaaS) in Cloud Computing Environments. , 2011, , .		235
521	SLA-oriented resource provisioning for cloud computing: Challenges, architecture, and solutions. , 2011, , .		138
522	Resource Provisioning Policies to Increase IaaS Provider's Profit in a Federated Cloud Environment. , 2011, , .		110

#	ARTICLE	IF	CITATIONS
523	Dynamically scaling applications in the cloud. Computer Communication Review, 2011, 41, 45-52.	1.5	289
524	QoS-aware Deployment of Network of Virtual Appliances Across Multiple Clouds. , 2011, , .		20
525	Virtual Machine Provisioning Based on Analytical Performance and QoS in Cloud Computing Environments. , 2011, , .		190
526	Virtual Machines Provisioning and Migration Services. , 2011, , 121-156.		3
527	Organizational Readiness and Change Management in the Cloud Age. , 2011, , 549-572.		2
528	Legal Issues in Cloud Computing. , 2011, , 593-613.		9
529	An Architecture for Federated Cloud Computing. , 2011, , 391-411.		14
530	Data Security in the Cloud. , 2011, , 573-592.		9
531	Migrating into a Cloud. , 2011, , 43-56.		8
532	Enriching the "Integration as a Service"™ Paradigm for the Cloud Era. , 2011, , 57-96.		5
533	T-Systems' Cloud-Based Solutions for Business Applications. , 2011, , 299-319.		3
534	Use of run time predictions for automatic co-allocation of multi-cluster resources for iterative parallel applications. Journal of Parallel and Distributed Computing, 2011, 71, 1388-1399.	2.7	10
535	CloudSim: a toolkit for modeling and simulation of cloud computing environments and evaluation of resource provisioning algorithms. Software - Practice and Experience, 2011, 41, 23-50.	2.5	3,550
536	Power-aware provisioning of virtual machines for real-time Cloud services. Concurrency Computation Practice and Experience, 2011, 23, 1491-1505.	1.4	131
537	A taxonomy and survey on autonomic management of applications in grid computing environments. Concurrency Computation Practice and Experience, 2011, 23, 1990-2019.	1.4	36
538	Optimizing the makespan and reliability for workflow applications with reputation and a look-ahead genetic algorithm. Future Generation Computer Systems, 2011, 27, 1124-1134.	4.9	121
539	Environment-conscious scheduling of HPC applications on distributed Cloud-oriented data centers. Journal of Parallel and Distributed Computing, 2011, 71, 732-749.	2.7	258
540	A linear programming-driven genetic algorithm for meta-scheduling on utility grids. International Journal of Parallel, Emergent and Distributed Systems, 2011, 26, 493-517.	0.7	40

#	ARTICLE	IF	CITATIONS
541	A Taxonomy and Survey of Energy-Efficient Data Centers and Cloud Computing Systems. <i>Advances in Computers</i> , 2011, 82, 47-111.	1.2	529
542	Green Cloud Framework for Improving Carbon Efficiency of Clouds. <i>Lecture Notes in Computer Science</i> , 2011, , 491-502.	1.0	56
543	Provisioning Spot Market Cloud Resources to Create Cost-Effective Virtual Clusters. <i>Lecture Notes in Computer Science</i> , 2011, , 395-408.	1.0	19
544	Performance Analysis of Preemption-Aware Scheduling in Multi-cluster Grid Environments. <i>Lecture Notes in Computer Science</i> , 2011, , 419-432.	1.0	2
545	Aneka Cloud Application Platform and Its Integration with Windows Azure. , 2011, , 645-679.		20
546	Batch Resizing Policies and Techniques for Fine-Grain Grid Tasks: The Nuts and Bolts. <i>Journal of Information Processing Systems</i> , 2011, 7, 299-320.	1.0	8
547	SLA-Based Scheduling of Bag-of-Tasks Applications on Power-Aware Cluster Systems. <i>IEICE Transactions on Information and Systems</i> , 2010, E93.D, 3194-3201.	0.4	14
548	Group-based adaptive result certification mechanism in Desktop Grids. <i>Future Generation Computer Systems</i> , 2010, 26, 776-786.	4.9	17
549	Special section: Federated resource management in grid and cloud computing systems. <i>Future Generation Computer Systems</i> , 2010, 26, 1189-1191.	4.9	54
550	A cost-benefit analysis of using cloud computing to extend the capacity of clusters. <i>Cluster Computing</i> , 2010, 13, 335-347.	3.5	100
551	Jaccard Index based availability prediction in enterprise grids. <i>Procedia Computer Science</i> , 2010, 1, 2707-2716.	1.2	17
552	Autonomic metered pricing for a utility computing service. <i>Future Generation Computer Systems</i> , 2010, 26, 1368-1380.	4.9	92
553	Cooperative and decentralized workflow scheduling in global grids. <i>Future Generation Computer Systems</i> , 2010, 26, 753-768.	4.9	38
554	Time and cost trade-off management for scheduling parallel applications on Utility Grids. <i>Future Generation Computer Systems</i> , 2010, 26, 1344-1355.	4.9	113
555	Reputation-based dependable scheduling of workflow applications in Peer-to-Peer Grids. <i>Computer Networks</i> , 2010, 54, 3341-3359.	3.2	17
556	Building an automated and self-configurable emulation testbed for grid applications. <i>Software - Practice and Experience</i> , 2010, 40, 405-429.	2.5	8
557	Gene Expression Classification with a Novel Coevolutionary Based Learning Classifier System on Public Clouds. , 2010, , .		5
558	CloudAnalyst: A CloudSim-Based Visual Modeller for Analysing Cloud Computing Environments and Applications. , 2010, , .		392

#	ARTICLE	IF	CITATIONS
559	Energy Efficient Allocation of Virtual Machines in Cloud Data Centers. , 2010, , .		303
560	A Particle Swarm Optimization-Based Heuristic for Scheduling Workflow Applications in Cloud Computing Environments. , 2010, , .		584
561	InterCloud: Utility-Oriented Federation of Cloud Computing Environments for Scaling of Application Services. Lecture Notes in Computer Science, 2010, , 13-31.	1.0	628
562	Energy Efficient Resource Management in Virtualized Cloud Data Centers. , 2010, , .		531
563	An Effective Architecture for Automated Appliance Management System Applying Ontology-Based Cloud Discovery. , 2010, , .		72
564	Minimizing Execution Costs when Using Globally Distributed Cloud Services. , 2010, , .		32
565	Adaptive threshold-based approach for energy-efficient consolidation of virtual machines in cloud data centers. , 2010, , .		283
566	Adapting Market-Oriented Scheduling Policies for Cloud Computing. Lecture Notes in Computer Science, 2010, , 351-362.	1.0	53
567	Managing Peak Loads by Leasing Cloud Infrastructure Services from a Spot Market. , 2010, , .		70
568	A Taxonomy of Autonomic Application Management in Grids. , 2010, , .		2
569	On-Line Task Granularity Adaptation for Dynamic Grid Applications. Lecture Notes in Computer Science, 2010, , 266-277.	1.0	11
570	Decentralized Overlay for Federation of Enterprise Clouds. , 2010, , 191-217.		34
571	DATAFLOW COMPUTATIONS ON ENTERPRISE GRIDS. , 2010, , 537-563.		0
572	An Adaptive Mechanism for Fair Sharing of Storage Resources. , 2009, , .		0
573	Towards self-managed adaptive emulation of grid environments. , 2009, , .		3
574	Dependable workflow scheduling in global Grids. , 2009, , .		6
575	GarQ: An efficient scheduling data structure for advance reservations of grid resources. International Journal of Parallel, Emergent and Distributed Systems, 2009, 24, 1-19.	0.7	19
576	A utility model for peering of multi-provider content delivery services. , 2009, , .		5

#	ARTICLE	IF	CITATIONS
577	A distributed heuristic for decentralized workflow scheduling in global Grids. , 2009, , .		4
578	Cloudbus Toolkit for Market-Oriented Cloud Computing. Lecture Notes in Computer Science, 2009, , 24-44.	1.0	143
579	Creating a "Cloud Storage"™ Mashup for High Performance, Low Cost Content Delivery. Lecture Notes in Computer Science, 2009, , 178-183.	1.0	12
580	Multiobjective differential evolution for scheduling workflow applications on global Grids. Concurrency Computation Practice and Experience, 2009, 21, 1742-1756.	1.4	97
581	A grid workflow environment for brain imaging analysis on distributed systems. Concurrency Computation Practice and Experience, 2009, 21, 2118-2139.	1.4	31
582	Model-based simulation and performance evaluation of grid scheduling strategies. Future Generation Computer Systems, 2009, 25, 460-465.	4.9	21
583	Integrated Risk Analysis for a Commercial Computing Service in Utility Computing. Journal of Grid Computing, 2009, 7, 1-24.	2.5	10
584	Ontology-based Grid resource management. Software - Practice and Experience, 2009, 39, 1419-1438.	2.5	18
585	Cloud computing and emerging IT platforms: Vision, hype, and reality for delivering computing as the 5th utility. Future Generation Computer Systems, 2009, 25, 599-616.	4.9	4,520
586	Resource discovery and request-redirection for dynamic load sharing in multi-provider peering content delivery networks. Journal of Network and Computer Applications, 2009, 32, 976-990.	5.8	18
587	MetaCDN: Harnessing "Storage Clouds"™ for high performance content delivery. Journal of Network and Computer Applications, 2009, 32, 1012-1022.	5.8	120
588	Performance analysis of allocation policies for interGrid resource provisioning. Information and Software Technology, 2009, 51, 42-55.	3.0	36
589	Modeling and simulation of scalable Cloud computing environments and the CloudSim toolkit: Challenges and opportunities. , 2009, , .		646
590	High-Performance Cloud Computing: A View of Scientific Applications. , 2009, , .		271
591	MapReduce Programming Model for .NET-Based Cloud Computing. Lecture Notes in Computer Science, 2009, , 417-428.	1.0	24
592	Power-aware provisioning of Cloud resources for real-time services. , 2009, , .		123
593	Market-Oriented Cloud Computing: Vision, Hype, and Reality of Delivering Computing as the 5th Utility. , 2009, , .		133
594	Cost of Virtual Machine Live Migration in Clouds: A Performance Evaluation. Lecture Notes in Computer Science, 2009, , 254-265.	1.0	281

#	ARTICLE	IF	CITATIONS
595	Reliability-Oriented Genetic Algorithm for Workflow Applications Using Max-Min Strategy. , 2009, , .		12
596	Architecture and performance models for QoS-driven effective peering of content delivery networks. Multiagent and Grid Systems, 2009, 5, 165-195.	0.5	14
597	Offer-based scheduling of deadline-constrained Bag-of-Tasks applications for utility computing systems. , 2009, , .		25
598	A Heuristic for Mapping Virtual Machines and Links in Emulation Testbeds. , 2009, , .		30
599	The Pareto-Following Variation Operator as an alternative approximation model. , 2009, , .		7
600	A Heuristic Approach for Capacity Control in Clouds. , 2009, , .		14
601	Enabling Computational Steering with an Asynchronous-Iterative Computation Framework. , 2009, , .		2
602	Brain Image Registration Analysis Workflow for fMRI Studies on Global Grids. , 2009, , .		3
603	Reliability-Driven Reputation Based Scheduling for Public-Resource Computing Using GA. , 2009, , .		2
604	Harnessing Cloud Technologies for a Virtualized Distributed Computing Infrastructure. IEEE Internet Computing, 2009, 13, 24-33.	3.2	73
605	Evaluating the cost-benefit of using cloud computing to extend the capacity of clusters. , 2009, , .		232
606	The Virtual Kidney: an eScience interface and Grid portal. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2009, 367, 2141-2159.	1.6	9
607	Maximizing Utility for Content Delivery Clouds. Lecture Notes in Computer Science, 2009, , 13-28.	1.0	19
608	Grid Computing. , 2009, , 117-145.		0
609	A case for cooperative and incentive-based federation of distributed clusters. Future Generation Computer Systems, 2008, 24, 280-295.	4.9	22
610	RCT: A distributed tree for supporting efficient range and multi-attribute queries in grid computing. Future Generation Computer Systems, 2008, 24, 631-643.	4.9	20
611	Market-oriented Grids and Utility Computing: The State-of-the-art and Future Directions. Journal of Grid Computing, 2008, 6, 255-276.	2.5	138
612	Introduction to the Special Issue on the 18th International Symposium on Computer Architecture and High Performance Computing. International Journal of Parallel Programming, 2008, 36, 163-165.	1.1	0

#	ARTICLE	IF	CITATIONS
613	Designing a resource broker for heterogeneous grids. Software - Practice and Experience, 2008, 38, 793-825.	2.5	18
614	InterGrid: a case for internetworking islands of Grids. Concurrency Computation Practice and Experience, 2008, 20, 997-1024.	1.4	64
615	A service-oriented Grid environment for integration of distributed kidney models and resources. Concurrency Computation Practice and Experience, 2008, 20, 1095-1111.	1.4	6
616	A toolkit for modelling and simulating data Grids: an extension to GridSim. Concurrency Computation Practice and Experience, 2008, 20, 1591-1609.	1.4	122
617	An SCP-based heuristic approach for scheduling distributed data-intensive applications on global grids. Journal of Parallel and Distributed Computing, 2008, 68, 471-487.	2.7	42
618	Market-Oriented Cloud Computing: Vision, Hype, and Reality for Delivering IT Services as Computing Utilities. , 2008, , .		1,085
619	Workflow Scheduling Algorithms for Grid Computing. Studies in Computational Intelligence, 2008, , 173-214.	0.7	243
620	An Autonomic Workflow Management System for Global Grids. , 2008, , .		6
621	Service and Utility Oriented Distributed Computing Systems: Challenges and Opportunities for Modeling and Simulation Communities. Simulation Symposium, Proceedings of the Annual, 2008, , .	0.0	32
622	Gridbus Work?ow Management System on Clouds and Global Grids. , 2008, , .		1
623	Content Delivery Networks: Overlay Networks for Scaling and Enhancing the Web. , 2008, , .		0
624	MRPGA: An Extension of MapReduce for Parallelizing Genetic Algorithms. , 2008, , .		80
625	Managing Cancellations and No-Shows of Reservations with Overbooking to Increase Resource Revenue. , 2008, , .		46
626	Service and Utility Oriented Distributed Computing Systems: Challenges and Opportunities for Modeling and Simulation Communities. Simulation Symposium, Proceedings of the Annual, 2008, , .	0.0	1
627	A Negotiation Mechanism for Advance Resource Reservations Using the Alternate Offers Protocol. IEEE International Workshop on Quality of Service, 2008, , .	0.0	65
628	Peer-to-peer-based resource discovery in global grids: a tutorial. IEEE Communications Surveys and Tutorials, 2008, 10, 6-33.	24.8	94
629	Simulation of Buffer Management Policies in Networks for Grids. Simulation Symposium, Proceedings of the Annual, 2008, , .	0.0	4
630	Performance models for peering Content Delivery Networks. , 2008, , .		5



#	ARTICLE	IF	CITATIONS
631	Jeeva: Enterprise Grid Enabled Web Portal for Protein Secondary Structure Prediction. , 2008, , .		1
632	Advanced QoS methods for Grid workflows based on meta-negotiations and SLA-mappings. , 2008, , .		21
633	Rescheduling co-allocation requests based on flexible advance reservations and processor remapping. , 2008, , .		14
634	Scheduling of Scientific Workflows on Data Grids. , 2008, , .		17
635	Content Delivery Networks: State of the Art, Insights, and Imperatives. Lecture Notes in Electrical Engineering, 2008, , 3-32.	0.3	48
636	Gridscape II: An extensible grid monitoring portal architecture and its integration with Google Maps. International Journal of Parallel, Emergent and Distributed Systems, 2008, 23, 153-170.	0.7	1
637	A pareto following variation operator for fast-converging multiobjective evolutionary algorithms. , 2008, , .		8
638	An Autonomic Peer-to-Peer Architecture for Hosting Stateful Web Services. , 2008, , .		4
639	A Decentralized and Cooperative Workflow Scheduling Algorithm. , 2008, , .		28
640	A Linear Programming Driven Genetic Algorithm for Meta-Scheduling on Utility Grids. , 2008, , .		14
641	A Meta-scheduler with Auction Based Resource Allocation for Global Grids. , 2008, , .		17
642	A Cost-Aware Resource Exchange Mechanism for Load Management across Grids. , 2008, , .		3
643	Internetworking of CDNs. Lecture Notes in Electrical Engineering, 2008, , 389-413.	0.3	3
644	A Taxonomy of CDNs. Lecture Notes in Electrical Engineering, 2008, , 33-77.	0.3	52
645	Load and Proximity Aware Request-Redirection for Dynamic Load Distribution in Peering CDNs. Lecture Notes in Computer Science, 2008, , 62-81.	1.0	18
646	Performance Analysis of Multiple Site Resource Provisioning: Effects of the Precision of Availability Information. Lecture Notes in Computer Science, 2008, , 157-168.	1.0	10
647	Fair resource sharing in hierarchical virtual organizations for global grids. , 2007, , .		16
648	Pricing for Utility-Driven Resource Management and Allocation in Clusters. International Journal of High Performance Computing Applications, 2007, 21, 405-418.	2.4	74

#	ARTICLE	IF	CITATIONS
649	An architecture for virtual organization (VO)-based effective peering of content delivery networks. , 2007, , .		17
650	A Sensor Web Middleware with Stateful Services for Heterogeneous Sensor Networks. , 2007, , .		22
651	Image Filtering on .NET-based Desktop Grids. , 2007, , .		1
652	Economy-based Content Replication for Peering Content Delivery Networks. , 2007, , .		8
653	Using Revenue Management to Determine Pricing of Reservations. , 2007, , .		22
654	Impact of Adaptive Resource Allocation Requests in Utility Cluster Computing Environments. , 2007, , .		4
655	A Dynamic Critical Path Algorithm for Scheduling Scientific Workflow Applications on Global Grids. , 2007, , .		99
656	Aneka: Next-Generation Enterprise Grid Platform for e-Science and e-Business Applications. , 2007, , .		70
657	Engineering an Autonomic Container for WSRF-Based Web Services. , 2007, , .		10
658	Integrated Risk Analysis for a Commercial Computing Service. , 2007, , .		27
659	Decentralised Resource Discovery Service for Large Scale Federated Grids. , 2007, , .		24
660	Multi-objective planning for workflow execution on Grids. , 2007, , .		104
661	A SLA-Oriented Management of Containers for Hosting Stateful Web Services. , 2007, , .		15
662	On incorporating an on-line strip packing algorithm into elastic Grid reservation-based systems. , 2007, , .		7
663	Power Aware Scheduling of Bag-of-Tasks Applications with Deadline Constraints on DVS-enabled Clusters. , 2007, , .		229
664	Extending GridSim with an architecture for failure detection. , 2007, , .		23
665	Portfolio and investment risk analysis on global grids. Journal of Computer and System Sciences, 2007, 73, 1164-1175.	0.9	6
666	On incorporating differentiated levels of network service into GridSim. Future Generation Computer Systems, 2007, 23, 606-615.	4.9	68

#	ARTICLE	IF	CITATIONS
667	SLA-Based Advance Reservations with Flexible and Adaptive Time QoS Parameters. Lecture Notes in Computer Science, 2007, , 119-131.	1.0	34
668	Data Replication Strategies in Wide-Area Distributed Systems. , 2007, , 211-241.		45
669	A DATAFLOW MODEL FOR .NET-BASED GRID COMPUTING SYSTEMS. , 2007, , .		2
670	Enabling the Simulation of Service-Oriented Computing and Provisioning Policies for Autonomic Utility Grids. Lecture Notes in Computer Science, 2007, , 136-149.	1.0	3
671	Semantic-based Grid Resource Discovery and its Integration with the Grid Service Broker. , 2006, , .		30
672	Gridscape II: A Customisable and Pluggable Grid Monitoring Portal and its Integration with Google Maps. , 2006, , .		0
673	Economy-Based Data Replication Broker. , 2006, , .		6
674	SLA-Based Coordinated Superscheduling Scheme for Computational Grids. , 2006, , .		31
675	Policy-based Resource Allocation in Hierarchical Virtual Organizations for Global Grids. , 2006, , .		9
676	A budget constrained scheduling of workflow applications on utility Grids using genetic algorithms. , 2006, , .		151
677	Scheduling Scientific Workflow Applications with Deadline and Budget Constraints Using Genetic Algorithms. Scientific Programming, 2006, 14, 217-230.	0.5	281
678	Global Grids and Software Toolkits: A Study of Four Grid Middleware Technologies. , 2006, , 431-458.		19
679	Peer-to-Peer Grid Computing and a .NET-Based Alchemi Framework. , 2006, , 403-429.		40
680	A taxonomy of market-based resource management systems for utility-driven cluster computing. Software - Practice and Experience, 2006, 36, 1381-1419.	2.5	75
681	Decentralized media streaming infrastructure (DeMSI): An adaptive and high-performance peer-to-peer content delivery network. Journal of Systems Architecture, 2006, 52, 737-772.	2.5	8
682	A Market-Oriented Grid Directory Service for Publication and Discovery of Grid Service Providers and their Services. Journal of Supercomputing, 2006, 36, 17-31.	2.4	40
683	A Case for Peering of Content Delivery Networks. IEEE Distributed Systems Online, 2006, 7, 3-3.	0.5	35
684	A Grid service broker for scheduling e-Science applications on global data Grids. Concurrency Computation Practice and Experience, 2006, 18, 685-699.	1.4	129

#	ARTICLE	IF	CITATIONS
685	A Set Coverage-based Mapping Heuristic for Scheduling Distributed Data-Intensive Applications on Global Grids. , 2006, , .		22
686	A taxonomy of Data Grids for distributed data sharing, management, and processing. ACM Computing Surveys, 2006, 38, 3.	16.1	254
687	Open Sensor Web Architecture: Core Services. , 2006, , .		50
688	Cluster Computing: High-Performance, High-Availability, and High-Throughput Processing on a Network of Computers. , 2006, , 521-551.		34
689	Storage Exchange: A Global Trading Platform for Storage Services. Lecture Notes in Computer Science, 2006, , 425-436.	1.0	11
690	Advanced Reservation-Based Scheduling of Task Graphs on Clusters. Lecture Notes in Computer Science, 2006, , 60-71.	1.0	16
691	AN EVALUATION OF COMMUNICATION DEMAND OF AUCTION PROTOCOLS IN GRID ENVIRONMENTS. , 2006, , .		31
692	Neuroscience instrumentation and distributed analysis of brain activity data: a case for eScience on global Grids. Concurrency Computation Practice and Experience, 2005, 17, 1783-1798.	1.4	28
693	A Taxonomy of Workflow Management Systems for Grid Computing. Journal of Grid Computing, 2005, 3, 171-200.	2.5	602
694	Scheduling parameter sweep applications on global Grids: a deadline and budget constrained cost-time optimization algorithm. Software - Practice and Experience, 2005, 35, 491-512.	2.5	101
695	A taxonomy of scientific workflow systems for grid computing. SIGMOD Record, 2005, 34, 44-49.	0.7	425
696	Service Level Agreement based Allocation of Cluster Resources: Handling Penalty to Enhance Utility. , 2005, , .		73
697	A Case for Cooperative and Incentive-Based Coupling of Distributed Clusters. , 2005, , .		25
698	A Deadline and Budget Constrained Scheduling Algorithm for eScience Applications on Data Grids. Lecture Notes in Computer Science, 2005, , 60-72.	1.0	23
699	An Integration of Global and Enterprise Grid Computing: Gridbus Broker and Xgrid Perspective. Lecture Notes in Computer Science, 2005, , 406-417.	1.0	7
700	A Market-Based Scheduler for JXTA-Based Peer-to-Peer Computing System. Lecture Notes in Computer Science, 2004, , 147-157.	1.0	7
701	A grid service broker for scheduling distributed data-oriented applications on global grids. , 2004, , .		117
702	GridCrypt: High Performance Symmetric Key Cryptography Using Enterprise Grids. Lecture Notes in Computer Science, 2004, , 872-877.	1.0	15

#	ARTICLE	IF	CITATIONS
703	Libra: a computational economy-based job scheduling system for clusters. Software - Practice and Experience, 2004, 34, 573-590.	2.5	94
704	A taxonomy of computer-based simulations and its mapping to parallel and distributed systems simulation tools. Software - Practice and Experience, 2004, 34, 653-673.	2.5	80
705	The Virtual Laboratory: a toolset to enable distributed molecular modelling for drug design on the World-Wide Grid. Concurrency Computation Practice and Experience, 2003, 15, 1-25.	1.4	109
706	Visual Modeler for Grid Modeling and Simulation (GridSim) Toolkit. Lecture Notes in Computer Science, 2003, , 1123-1132.	1.0	16
707	Gridscape: A Tool for the Creation of Interactive and Dynamic Grid Testbed Web Portals. Lecture Notes in Computer Science, 2003, , 131-142.	1.0	5
708	Visual Parameteric Modeler for Rapid Composition of Parameter-Sweep Applications for Processing on Global Grids. Lecture Notes in Computer Science, 2003, , 739-749.	1.0	1
709	Economic models for resource management and scheduling in Grid computing. Concurrency Computation Practice and Experience, 2002, 14, 1507-1542.	1.4	675
710	GridSim: a toolkit for the modeling and simulation of distributed resource management and scheduling for Grid computing. Concurrency Computation Practice and Experience, 2002, 14, 1175-1220.	1.4	1,087
711	A computational economy for grid computing and its implementation in the Nimrod-G resource broker. Future Generation Computer Systems, 2002, 18, 1061-1074.	4.9	330
712	A taxonomy and survey of grid resource management systems for distributed computing. Software - Practice and Experience, 2002, 32, 135-164.	2.5	608
713	Grids and Grid technologies for wide-area distributed computing. Software - Practice and Experience, 2002, 32, 1437-1466.	2.5	276
714	Special Issue Guest Editorial: Cluster Computing Using High-Speed Networks. Journal of Supercomputing, 2001, 19, 247-249.	2.4	0
715	<title>Economic models for management of resources in peer-to-peer and grid computing</title>. , 2001, 4528, 13.		73
716	Single System Image. International Journal of High Performance Computing Applications, 2001, 15, 124-135.	2.4	57
717	PARMON: a portable and scalable monitoring system for clusters. Software - Practice and Experience, 2000, 30, 723-739.	2.5	42
718	PARMON: a portable and scalable monitoring system for clusters. , 2000, 30, 723.		3
719	Architectural Models for Resource Management in the Grid. Lecture Notes in Computer Science, 2000, , 18-35.	1.0	64
720	An Evaluation of Economy-based Resource Trading and Scheduling on Computational Power Grids for Parameter Sweep Applications. Kluwer International Series in Engineering and Computer Science, 2000, , 221-230.	0.2	94

#	ARTICLE	IF	CITATIONS
721	Cluster computing: the commodity supercomputer. Software - Practice and Experience, 1999, 29, 551-576.	2.5	40
722	A Novel Architecture for Realizing Grid Workflow using Tuple Spaces. , 0, , .		54
723	Managing Risk of Inaccurate Runtime Estimates for Deadline Constrained Job Admission Control in Clusters. , 0, , .		6
724	Energy and Carbon Footprint-Aware Management of Geo-Distributed Cloud Data Centers. , 0, , 1456-1475.		12
725	Ten Lessons from Finance for Commercial Sharing of IT Resources. , 0, , 244-264.		14
726	A Survey of Scheduling and Management Techniques for Data-Intensive Application Workflows. Advances in Systems Analysis, Software Engineering, and High Performance Computing Book Series, 0, , 156-176.	0.5	2
727	Achieving Production Readiness for Cloud Services. , 0, , 615-634.		1
728	Resource Co-Allocation in Grid Computing Environments. , 0, , 100-118.		0
729	Decentralization in Distributed Systems. , 0, , 386-399.		4
730	Market-inspired framework for securing assets in cloud computing environments. Software - Practice and Experience, 0, , .	2.5	0