Omer F Rana

List of Publications by Year in descending order

355 papers	7,247 citations	87723 38 h-index	95083 68 g-index
370 all docs	370 docs citations	370 times ranked	6059 citing authors

#	Article	IF	Citations
1	Real-Time Scheduling on Hierarchical Heterogeneous Fog Networks. IEEE Transactions on Services Computing, 2023, 16, 1358-1372.	3.2	1
2	Interaction between people with dysarthria and speech recognition systems: A review. Assistive Technology, 2023, 35, 330-338.	1.2	4
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	BioSec: A Biometric Authentication Framework for Secure and Private Communication Among Edge Devices in IoT and Industry 4.0. IEEE Consumer Electronics Magazine, 2022, 11, 51-56.	2.3	28
5	RES: Real-Time Video Stream Analytics Using Edge Enhanced Clouds. IEEE Transactions on Cloud Computing, 2022, 10, 792-804.	3.1	28
6	Tracking GDPR Compliance in Cloud-Based Service Delivery. IEEE Transactions on Services Computing, 2022, 15, 1498-1511.	3.2	28
7	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
8	Privacy-Aware Cloud Auditing for GDPR Compliance Verification in Online Healthcare. IEEE Transactions on Industrial Informatics, 2022, 18, 4808-4819.	7.2	19
9	Cyberattacks and Countermeasures for In-Vehicle Networks. ACM Computing Surveys, 2022, 54, 1-37.	16.1	67
10	Privacy Laws and Privacy by Design Schemes for the Internet of Things. ACM Computing Surveys, 2022, 54, 1-38.	16.1	18
11	<scp>QoS</scp>â€aware trust establishment for cloud federation. Concurrency Computation Practice and Experience, 2022, 34, e6598.	1.4	7
12	Aggregated Capability Assessment (AgCA) For CAIQ Enabled Cross-cloud Federation. IEEE Transactions on Services Computing, 2022, 15, 2619-2632.	3.2	4
13	A Fault-Tolerant Workflow Composition and Deployment Automation IoT Framework in a Multicloud Edge Environment. IEEE Internet Computing, 2022, 26, 45-52.	3.2	5
14	HUNTER: AI based holistic resource management for sustainable cloud computing. Journal of Systems and Software, 2022, 184, 111124.	3.3	33
15	Cybersecurity of Industrial Cyber-Physical Systems: A Review. ACM Computing Surveys, 2022, 54, 1-35.	16.1	55
16	â€œAlexa, letâ€™s talk about my productivityâ€ The impact of digital assistants on work productivity. Journal of Business Research, 2022, 142, 572-584.	5.8	35
17	Blockchain adoption: A study of cognitive factors underpinning decision making. Computers in Human Behavior, 2022, 131, 107207.	5.1	29
18	Resource-Aware Edge-Based Stream Analytics. IEEE Internet Computing, 2022, 26, 79-88.	3.2	2

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19	Automated License Plate Recognition for Resource-Constrained Environments. Sensors, 2022, 22, 1434.	2.1	18
20	AI for next generation computing: Emerging trends and future directions. Internet of Things (Netherlands), 2022, 19, 100514.	4.9	202
21	Greedy Nominator Heuristic: Virtual function placement on fog resources. Concurrency Computation Practice and Experience, 2022, 34, .	1.4	4
22	Edge-cloud resource federation for sustainable cities. Sustainable Cities and Society, 2022, 82, 103887.	5.1	5
23	Demo Abstract: PARROT: Privacy by Design Tool for Internet of Things. , 2022, , .		2
24	OTA-TinyML: Over the Air Deployment of TinyML Models and Execution on IoT Devices. IEEE Internet Computing, 2022, 26, 69-78.	3.2	8
25	ATVSA: Vehicle Driver Profiling for Situational Awareness. , 2022, , .		1
26	An Energy and Performance Aware Consolidation Technique for Containerized Datacenters. IEEE Transactions on Cloud Computing, 2021, 9, 1305-1322.	3.1	35
27	Scheduling Real-Time Security Aware Tasks in Fog Networks. IEEE Transactions on Services Computing, 2021, 14, 1981-1994.	3.2	31
28	Privacyâ€aware cloud ecosystems: Architecture and performance. Concurrency Computation Practice and Experience, 2021, 33, e5852.	1.4	7
29	NFV-Enabled IoT Service Provisioning in Mobile Edge Clouds. IEEE Transactions on Mobile Computing, 2021, 20, 1892-1906.	3.9	29
30	Energy-Aware Inference Offloading for DNN-Driven Applications in Mobile Edge Clouds. IEEE Transactions on Parallel and Distributed Systems, 2021, 32, 799-814.	4.0	51
31	Forecasting peak energy demand for smart buildings. Journal of Supercomputing, 2021, 77, 6356-6380.	2.4	22
32	Design and Verification of Privacy Patterns for Business Process Models. Smart Innovation, Systems and Technologies, 2021, , 125-139.	0.5	2
33	Blockchain-Based Task Offloading in Drone-Aided Mobile Edge Computing. IEEE Network, 2021, 35, 124-129.	4.9	33
34	â€œChatty Devicesâ€•and edge-based activity classification. Discover Internet of Things, 2021, 1, 1.	3.3	2
35	Security and Privacy Requirements for the Internet of Things. ACM Transactions on Internet of Things, 2021, 2, 1-37.	3.4	32
36	Energy-makespan optimization of workflow scheduling in fogâ€"cloud computing. Computing (Vienna/New York), 2021, 103, 2033-2059.	3.2	39

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37	Dynamically Controlling Offloading Thresholds in Fog Systems. Sensors, 2021, 21, 2512.	2.1	8
38	Toward Distributed, Global, Deep Learning Using IoT Devices. IEEE Internet Computing, 2021, 25, 6-12.	3.2	9
39	IoTSim-Osmosis: A framework for modeling and simulating IoT applications over an edge-cloud continuum. Journal of Systems Architecture, 2021, 116, 101956.	2.5	40
40	Edge HVAC Analytics. Energies, 2021, 14, 5464.	1.6	7
41	Orchestrating the Development Lifecycle of Machine Learning-based IoT Applications. ACM Computing Surveys, 2021, 53, 1-47.	16.1	46
42	Privacy & Cloud Services: Are We There Yet?. , 2021, , .		0
43	Working in a Smart Home-office: Exploring the Impacts on Productivity and Wellbeing. , 2021, , .		4
44	Modelling Serverless Function Behaviours. Lecture Notes in Computer Science, 2021, , 109-122.	1.0	0
45	Toward Sustainable Serverless Computing. IEEE Internet Computing, 2021, 25, 42-50.	3.2	18
46	Keynote Speech 2: Extending the Data Science pipeline: Integrating Machine Learning into Edge Environments. , 2021, , .		0
47	[Biography of Professor Omer F. Rana]. , 2021, , .		0
48	A privacy-preserving distributed platform for COVID-19 vaccine passports. , 2021, , .		7
49	Energy Efficient Edge & Serverless Systems [Author biography only]. , 2021, , .		0
50	Deadline Constrained Video Analysis via In-Transit Computational Environments. IEEE Transactions on Services Computing, 2020, 13, 59-72.	3.2	23
51	Next generation technologies for smart healthcare: challenges, vision, model, trends and future directions. Internet Technology Letters, 2020, 3, e145.	1.4	77
52	MobFogSim: Simulation of mobility and migration for fog computing. Simulation Modelling Practice and Theory, 2020, 101, 102062.	2.2	75
53	Blockchain for energy sharing and trading in distributed prosumer communities. Computers in Industry, 2020, 123, 103282.	5.7	50
54	Guest Editorial: Special Section on Advances of Utility and Cloud Computing Technologies and Services. IEEE Transactions on Cloud Computing, 2020, 8, 972-974.	3.1	2

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55	IEEE Access Special Section Editorial: Scalable Deep Learning for Big Data. IEEE Access, 2020, 8, 216617-216622.	2.6	1
56	Quality of Service–aware matchmaking for adaptive microservice–based applications. Concurrency Computation Practice and Experience, 2020, 33, e6120.	1.4	3
57	Enabling Multicast Slices in Edge Networks. IEEE Internet of Things Journal, 2020, 7, 8485-8501.	5.5	12
58	Federating Cloud Systems for Collaborative Construction and Engineering. IEEE Access, 2020, 8, 79908-79919.	2.6	11
59	Software tools and techniques for fog and edge computing. Software - Practice and Experience, 2020, 50, 473-475.	2.5	2
60	Efficient Algorithms for Delay-Aware NFV-Enabled Multicasting in Mobile Edge Clouds With Resource Sharing. IEEE Transactions on Parallel and Distributed Systems, 2020, 31, 2050-2066.	4.0	53
61	Sehaa: A Big Data Analytics Tool for Healthcare Symptoms and Diseases Detection Using Twitter, Apache Spark, and Machine Learning. Applied Sciences (Switzerland), 2020, 10, 1398.	1.3	69
62	GDPR Compliance Verification in Internet of Things. IEEE Access, 2020, 8, 119697-119709.	2.6	30
63	Security analytics for real-time forecasting of cyberattacks. Software - Practice and Experience, 2020, , .	2.5	2
64	ThermoSim: Deep learning based framework for modeling and simulation of thermal-aware resource management for cloud computing environments. Journal of Systems and Software, 2020, 166, 110596.	3.3	35
65	Enhancing User Privacy in IoT: Integration of GDPR and Blockchain. Communications in Computer and Information Science, 2020, , 322-335.	0.4	8
66	COM-PACE: Compliance-Aware Cloud Application Engineering Using Blockchain. IEEE Internet Computing, 2020, 24, 45-53.	3.2	17
67	QoS-Aware VNF Placement and Service Chaining for IoT Applications in Multi-Tier Mobile Edge Networks. ACM Transactions on Sensor Networks, 2020, 16, 1-27.	2.3	25
68	Emotions Behind Drive-by Download Propagation on Twitter. ACM Transactions on the Web, 2020, 14, 1-26.	2.0	4
69	Dynamic Network Slicing in Fog Computing for Mobile Users in MobFogSim. , 2020, , .		1
70	Blockchain Based Auditable Access Control for Distributed Business Processes. Proceedings of the International Conference on Distributed Computing Systems, 2020, 2020, 12-22.	1.0	1
71	Automating GDPR Compliance Verification for Cloud-hosted Services. , 2020, , .		1
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73	Blockchain Based Auditable Access Control for Distributed Business Processes. , 2020, 2020, 12-22.		7
74	Deep Learning Hyper-Parameter Optimization for Video Analytics in Clouds. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2019, 49, 253-264.	5.9	35
75	Edge-Cloud Orchestration: Strategies for Service Placement and Enactment. , 2019, , .		9
76	Osmosis: The Osmotic Computing Platform for Microelements in the Cloud, Edge, and Internet of Things. Computer, 2019, 52, 14-26.	1.2	44
77	Getting to the root of the problem: A detailed comparison of kernel and user level data for dynamic malware analysis. Journal of Information Security and Applications, 2019, 48, 102365.	1.8	11
78	NFV-Enabled Multicasting in Mobile Edge Clouds with Resource Sharing. , 2019, , .		9
79	A Dynamic Data-throttling Approach to Minimize Workflow Imbalance. ACM Transactions on Internet Technology, 2019, 19, 1-21.	3.0	0
80	Accuracy of American College of Surgeons National Surgical Quality Improvement Program Universal Surgical Risk Calculator in Predicting Complications Following Robot-Assisted Radical Cystectomy at a National Comprehensive Cancer Center. Journal of Endourology, 2019, 33, 383-388.	1.1	19
81	Guest Editorsâ€™ Introduction to the Special Issue on Fog, Edge, and Cloud Integration for Smart Environments. ACM Transactions on Internet Technology, 2019, 19, 1-4.	3.0	5
82	Fog Computing for the Internet of Things. ACM Transactions on Internet Technology, 2019, 19, 1-41.	3.0	220
83	Cost efficient resource allocation for real-time tasks in embedded systems. Sustainable Cities and Society, 2019, 48, 101523.	5.1	21
84	Privacy-Aware Cloud Ecosystems and GDPR Compliance. , 2019, , .		12
85	Developing GDPR Compliant User Data Policies for Internet of Things. , 2019, , .		16
86	Liking, sharing, commenting and reacting on Facebook: User behaviorsâ€™ impact on sentiment intensity. Telematics and Informatics, 2019, 39, 25-36.	3.5	60
87	A Manifesto for Future Generation Cloud Computing. ACM Computing Surveys, 2019, 51, 1-38.	16.1	198
88	Prediction of drive-by download attacks on Twitter. Information Processing and Management, 2019, 56, 1133-1145.	5.4	15
89	Modeling, Characterising and Scheduling Applications in Kubernetes. Lecture Notes in Computer Science, 2019, , 291-294.	1.0	1
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91	Interaction and Transformation on Social Media: The Case of Twitter Campaigns. Social Media and Society, 2018, 4, 205630511775072.	1.5	25
92	Distributed Agent-Based Traffic Simulations. IEEE Intelligent Transportation Systems Magazine, 2018, 10, 145-156.	2.6	16
93	Cloud-based scalable object detection and classification in video streams. Future Generation Computer Systems, 2018, 80, 286-298.	4.9	42
94	A computational model to support in-network data analysis in federated ecosystems. Future Generation Computer Systems, 2018, 80, 342-354.	4.9	12
95	Natural History and Predictors of Parastomal Hernia after Robot-Assisted Radical Cystectomy and Ileal Conduit Urinary Diversion. Journal of Urology, 2018, 199, 766-773.	0.2	27
96	Risk-Based Service Selection in Federated Clouds. , 2018, , .		4
97	Ensemble-Based Network Edge Processing. , 2018, , .		2
98	Optimizing Infrastructure Placement in Wireless Mesh Networks Using NSGA-II. , 2018, , .		4
99	Realizing Edge Marketplaces: Challenges and Opportunities. IEEE Cloud Computing, 2018, 5, 9-20.	5.3	12
100	The Internet of Things, Fog and Cloud continuum: Integration and challenges. Internet of Things (Netherlands), 2018, 3-4, 134-155.	4.9	195
101	PASHE: Privacy Aware Scheduling in a Heterogeneous Fog Environment. , 2018, , .		14
102	Vertical Workflows: Service Orchestration across Cloud & Edge Resources. , 2018, , .		8
103	Edge Enhanced Deep Learning System for Large-Scale Video Stream Analytics. , 2018, , .		41
104	EclipseIoT: A secure and adaptive hub for the Internet of Things. Computers and Security, 2018, 78, 477-490.	4.0	24
105	The Next Grand Challenges: Integrating the Internet of Things and Data Science. IEEE Cloud Computing, 2018, 5, 12-26.	5.3	74
106	An Optimal Task-Scheduling Strategy for Large-Scale Astronomical Workloads using In-transit Computation Model. International Journal of Computational Intelligence Systems, 2018, 11, 600.	1.6	6
107	Modelling and Implementing Social Community Clouds. IEEE Transactions on Services Computing, 2017, 10, 410-422.	3.2	11
108	gSched: a resource aware Hadoop scheduler for heterogeneous cloud computing environments. Concurrency Computation Practice and Experience, 2017, 29, e3841.	1.4	7

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109	A social content delivery network for e‑Science. Concurrency Computation Practice and Experience, 2017, 29, e3854.	1.4	3
110	Introducing distributed dynamic data‑intensive (D3) science: Understanding applications and infrastructure. Concurrency Computation Practice and Experience, 2017, 29, e4032.	1.4	4
111	Predicting the energy demand of buildings during triad peaks in GB. Energy and Buildings, 2017, 141, 262-273.	3.1	14
112	Management of Collaborative BIM Data by Federating Distributed BIM Models. Journal of Computing in Civil Engineering, 2017, 31, .	2.5	36
113	Internet Transit Access Point placement and bandwidth allocation in Wireless Mesh Networks. , 2017, , .		7
114	Scalable real-time classification of data streams with concept drift. Future Generation Computer Systems, 2017, 75, 187-199.	4.9	67
115	A Cloud-Based Energy Management System for Building Managers. , 2017, , .		7
116	Mobility-Aware Application Scheduling in Fog Computing. IEEE Cloud Computing, 2017, 4, 26-35.	5.3	319
117	Performance analysis of multi-institutional data sharing in the Clouds4Coordination system. Computers and Electrical Engineering, 2017, 58, 227-240.	3.0	7
118	Can We Predict a Riot? Disruptive Event Detection Using Twitter. ACM Transactions on Internet Technology, 2017, 17, 1-26.	3.0	80
119	Incentivising Resource Sharing in Edge Computing Applications. Lecture Notes in Computer Science, 2017, , 204-215.	1.0	5
120	Software Defined Membrane: Policy-Driven Edge and Internet of Things Security. IEEE Cloud Computing, 2017, 4, 92-99.	5.3	24
121	Cloud Security Engineering: Theory, Practice and Future Research. IEEE Transactions on Cloud Computing, 2017, 5, 372-374.	3.1	11
122	Coordinating multi-site construction projects using federated clouds. Automation in Construction, 2017, 83, 273-284.	4.8	21
123	Computational resource management for data‑driven applications with deadline constraints. Concurrency Computation Practice and Experience, 2017, 29, e4018.	1.4	2
124	The Ethical Challenges of Publishing Twitter Data for Research Dissemination. , 2017, , .		36
125	Feedback-Control & Queueing Theory-Based Resource Management for Streaming Applications. IEEE Transactions on Parallel and Distributed Systems, 2017, 28, 1061-1075.	4.0	22
126	<i>RT-SANE</i>. , 2017, , .		14

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127	Edge-Supported Approximate Analysis for Long Running Computations. , 2017, , .		9
128	Scalable Local Energy Management Systems. Energy Procedia, 2017, 142, 3069-3074.	1.8	1
129	Client-Side Scheduling Based on Application Characterization on Kubernetes. Lecture Notes in Computer Science, 2017, , 162-176.	1.0	22
130	Digital wildfires. ACM SIGCAS Computers and Society, 2016, 45, 193-201.	0.1	14
131	Special Issue on Autonomic Clouds. IEEE Cloud Computing, 2016, 3, 26-29.	5.3	1
132	Cloud computing for mobile environments. Concurrency Computation Practice and Experience, 2016, 28, 2753-2755.	1.4	1
133	Osmotic Computing: A New Paradigm for Edge/Cloud Integration. IEEE Cloud Computing, 2016, 3, 76-83.	5.3	301
134	Modelling performance & resource management in kubernetes. , 2016, , .		62
135	Adaptive application scheduling under interference in Kubernetes. , 2016, , .		11
136	Capacity management for streaming applications over cloud infrastructures with micro billing models. , 2016, , .		1
137	Temporal TF-IDF: A High Performance Approach for Event Summarization in Twitter. , 2016, , .		14
138	Sensing Real-World Events Using Social Media Data and a Classification-Clustering Framework. , 2016, , .		1
139	Managing QoS Constraints in a P2P-Cloud Video on Demand System. , 2016, , .		1
140	Autonomic Road Transport Support Systems: An Introduction. , 2016, , 1-11.		0
141	Electric Vehicles in Road Transport and Electric Power Networks. , 2016, , 233-252.		1
142	Digital Wildfires. ACM Transactions on Information Systems, 2016, 34, 1-23.	3.8	44
143	A multifaceted evaluation of the reference model of information assurance & security. Computers and Security, 2016, 63, 45-66.	4.0	11
144	Patterns to distribute mobility simulations. , 2016, , .		0

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145	Leveraging In-Transit Computational Capabilities in Federated Ecosystems. , 2016, , .		5
146	Cloud Computing at the Edges. Communications in Computer and Information Science, 2016, , 3-12.	0.4	14
147	Identifying cyber risk hotspots: A framework for measuring temporal variance in computer network risk. Computers and Security, 2016, 57, 31-46.	4.0	16
148	Resource management for bursty streams on multi-tenancy cloud environments. Future Generation Computer Systems, 2016, 55, 444-459.	4.9	22
149	Cloud Market Maker: An automated dynamic pricing marketplace for cloud users. Future Generation Computer Systems, 2016, 54, 52-67.	4.9	27
150	Automated configuration support for infrastructure migration to the cloud. Future Generation Computer Systems, 2016, 55, 200-212.	4.9	43
151	Analyzing Hadoop power consumption and impact on application QoS. Future Generation Computer Systems, 2016, 55, 213-223.	4.9	30
152	Distributed Multi-Cloud Based Building Data Analytics. Advances in Systems Analysis, Software Engineering, and High Performance Computing Book Series, 2016, , 143-169.	0.5	1
153	A Case for Understanding End-to-End Performance of Topic Detection and Tracking Based Big Data Applications in the Cloud. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2016, , 315-325.	0.2	2
154	Coordinating Data Analysis and Management in Multi-layered Clouds. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2016, , 357-366.	0.2	0
155	Identifying Disruptive Events from Social Media to Enhance Situational Awareness. , 2015, , .		12
156	'Digital Wildfires'. , 2015, , .		1
157	Data as a Currency and Cloud-Based Data Lockers. IEEE Cloud Computing, 2015, 2, 16-20.	5.3	5
158	Continuous Monitoring and Assessment of Cybersecurity Risks in Large Computing Infrastructures. , 2015, , .		2
159	Towards Virtual Machine Migration in Fog Computing. , 2015, , .		119
160	Real-time Classification of Malicious URLs on Twitter using Machine Activity Data. , 2015, , .		14
161	Social Clouds: A Retrospective. IEEE Cloud Computing, 2015, 2, 30-40.	5.3	8
162	An Empirical Risk Management Framework for Monitoring Network Security. , 2015, , .		2

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163	Assessing Data Breach Risk in Cloud Systems. , 2015, , .		7
164	Implementing Migration-Aware Virtual Machines. , 2015, , .		0
165	CloudPick: a framework for QoSâ€aware and ontologyâ€based service deployment across clouds. Software - Practice and Experience, 2015, 45, 197-231.	2.5	29
166	COSMOS: Towards an integrated and scalable service for analysing social media on demand. International Journal of Parallel, Emergent and Distributed Systems, 2015, 30, 80-100.	0.7	37
167	Analysing Virtual Machine Security in Cloud Systems. Lecture Notes in Computer Science, 2015, , 137-151.	1.0	1
168	Market Models for Federated Clouds. IEEE Transactions on Cloud Computing, 2015, 3, 398-410.	3.1	17
169	Integrating Software Defined Networks within a Cloud Federation. , 2015, , .		14
170	Incentivising resource sharing in social clouds. Concurrency Computation Practice and Experience, 2015, 27, 1483-1497.	1.4	12
171	Detecting tension in online communities with computational Twitter analysis. Technological Forecasting and Social Change, 2015, 95, 96-108.	6.2	116
172	Governance Model for Cloud Computing in Building Information Management. IEEE Transactions on Services Computing, 2015, 8, 314-327.	3.2	13
173	Clouds4Coordination: Managing Project Collaboration in Federated Clouds. , 2015, , .		0
174	Big and broad social data and the sociological imagination: A collaborative response. Big Data and Society, 2014, 1, 205395171454513.	2.6	68
175	In-Transit Data Analysis and Distribution in a Multi-cloud Environment Using CometCloud. , 2014, , .		5
176	Autonomic Clouds. , 2014, , .		2
177	Extending CometCloud to Process Dynamic Data Streams on Heterogeneous Infrastructures. , 2014, , .		7
178	Risk assessment in service provider communities. Future Generation Computer Systems, 2014, 41, 32-43.	4.9	8
179	The Costs of Cloud Migration. IEEE Cloud Computing, 2014, 1, 62-65.	5.3	14
180	Towards Real-Time Probabilistic Risk Assessment by Sensing Disruptive Events from Streamed News Feeds. , 2014, , .		0

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181	Cloud Supported Building Data Analytics. , 2014, , .		11
182	Enforcing Quality of Service on OpenNebula-Based Shared Clouds. , 2014, , .		6
183	Improving Resource Matchmaking through Feedback Integration. , 2014, , .		1
184	Exploring Models and Mechanisms for Exchanging Resources in a Federated Cloud. , 2014, , .		21
185	A Social Compute Cloud: Allocating and Sharing Infrastructure Resources via Social Networks. IEEE Transactions on Services Computing, 2014, 7, 359-372.	3.2	61
186	Collaborative marketplaces for eScience: A medical imaging use case. , 2014, , .		1
187	Tweeting the terror: modelling the social media reaction to the Woolwich terrorist attack. Social Network Analysis and Mining, 2014, 4, 1.	1.9	156
188	The management of cloud systems. Future Generation Computer Systems, 2014, 32, 24-26.	4.9	8
189	Cloud computing for the architecture, engineering & construction sector: requirements, prototype & experience. Journal of Cloud Computing: Advances, Systems and Applications, 2013, 2, 8.	2.1	31
190	A GOVERNANCE APPROACH FOR BIM MANAGEMENT ACROSS LIFECYCLE AND SUPPLY CHAINS USING MIXED-MODES OF INFORMATION DELIVERY. Journal of Civil Engineering and Management, 2013, 19, 239-258.	1.9	97
191	Managing Data and Processes in Cloud-Enabled Large-Scale Sensor Networks: State-of-the-Art and Future Research Directions. , 2013, , .		55
192	Adapting scientific workflow structures using multi-objective optimization strategies. ACM Transactions on Autonomous and Adaptive Systems, 2013, 8, 1-21.	0.4	13
193	Scaling Archived Social Media Data Analysis Using a Hadoop Cloud. , 2013, , .		12
194	Constructing a Social Content Delivery Network for eScience. , 2013, , .		6
195	Broker Emergence in Social Clouds. , 2013, , .		4
196	A Distributed In-Transit Processing Infrastructure for Forecasting Electric Vehicle Charging Demand. , 2013, , .		6
197	Analysing Quality of Resilience in Fish4Knowledge Video Analysis Workflows. , 2013, , .		1
198	Making sense of self-reported socially significant data using computational methods. International Journal of Social Research Methodology: Theory and Practice, 2013, 16, 215-230.	2.3	15

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199	Editorial for special issue: Cloud computing and distributed data management in the AEC â€" Architecture, Engineering and Construction industry. Advanced Engineering Informatics, 2013, 27, 158-159.	4.0	6
200	Distributed computing practice for largeâ€scale science and engineering applications. Concurrency Computation Practice and Experience, 2013, 25, 1559-1585.	1.4	15
201	Energy Efficient Cloud Computing Environment via Autonomic Meta-director Framework. , 2013, , .		23
202	Policing cyber-neighbourhoods: tension monitoring and social media networks. Policing and Society, 2013, 23, 461-481.	1.8	63
203	A Federated CometCloud Infrastructure to Support Resource Sharing. , 2013, , .		0
204	Knowing the Tweeters: Deriving Sociologically Relevant Demographics from Twitter. Sociological Research Online, 2013, 18, 74-84.	0.7	139
205	Towards Autonomic Cloud Services Engineering via Intention Workflow Model. Lecture Notes in Computer Science, 2013, , 212-227.	1.0	15
206	Revenue Creation for Rate Adaptive Stream Management in Multi-tenancy Environments. Lecture Notes in Computer Science, 2013, , 122-137.	1.0	2
207	Automating Data-Throttling Analysis for Data-Intensive Workflows. , 2012, , .		2
208	Self-adaptive approximate queries for large-scale information aggregation. International Journal of Web and Grid Services, 2012, 8, 225.	0.4	2
209	Trust modelling and analysis in peer-to-peer clouds. International Journal of Cloud Computing, 2012, 1, 221.	0.3	14
210	Revenue Models for Streaming Applications over Shared Clouds. , 2012, , .		4
211	End-to-End QoS on Shared Clouds for Highly Dynamic, Large-Scale Sensing Data Streams. , 2012, , .		9
212	Incentivising Resource Sharing in Social Clouds. , 2012, , .		4
213	Protecting patient privacy in distributed collaborative healthcare environments by retaining access control of shared information. , 2012, , .		9
214	A Social Content Delivery Network for Scientific Cooperation: Vision, Design, and Architecture. , 2012, , .		10
215	Service level agreement as a complementary currency in peer-to-peer markets. Future Generation Computer Systems, 2012, 28, 1316-1327.	4.9	7
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218	Social Cloud Computing: A Vision for Socially Motivated Resource Sharing. IEEE Transactions on Services Computing, 2012, 5, 551-563.	3.2	180
219	Towards autonomic management for Cloud services based upon volunteered resources. Concurrency Computation Practice and Experience, 2012, 24, 992-1014.	1.4	18
220	Onâ€demand transmission model for remote visualization using imageâ€based rendering. Concurrency Computation Practice and Experience, 2012, 24, 2328-2345.	1.4	8
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