Mohammad Aazam

List of Publications by Year
in descending order

66 papers	3,216 citations	686830 13 h-index	642321 23 g-index
68 all docs	68 docs citations	68 times ranked	3242 citing authors

#	Article	IF	Citations
1	Cloud of Things (CoT): Cloud-Fog-IoT Task Offloading for Sustainable Internet of Things. IEEE Transactions on Sustainable Computing, 2022, 7, 87-98.	2.2	34
2	Floating Fog: extending fog computing to vast waters for aerial users. Cluster Computing, 2022, , 1-15.	3.5	2
3	Task offloading in edge computing for machine learning-based smart healthcare. Computer Networks, 2021, 191, 108019.	3.2	41
4	SemKoRe: Improving Machine Maintenance in Industrial IoT with Semantic Knowledge Graphs. Applied Sciences (Switzerland), 2020, 10, 6325.	1.3	11
5	Guest Editorial Special Issue on Emerging Trends and Challenges in Fog Computing for IoT. IEEE Internet of Things Journal, 2020, 7, 4155-4159.	5.5	2
6	IEEE Access Special Section Editorial: Sustainable Infrastructures, Protocols, and Research Challenges for FOG Computing. IEEE Access, 2020, 8, 110943-110946.	2.6	2
7	Energy-Efficient Computation Offloading in Vehicular Edge Cloud Computing. IEEE Access, 2020, 8, 37632-37644.	2.6	49
8	Health Fog for Smart Healthcare. IEEE Consumer Electronics Magazine, 2020, 9, 96-102.	2.3	29
9	Mapping QoE with Resource Estimation in IoT. , 2019, , .		7
10	Fog Computing for 5G Tactile Industrial Internet of Things: QoE-Aware Resource Allocation Model. IEEE Transactions on Industrial Informatics, 2019, 15, 3085-3092.	7.2	117
11	oHealth: Opportunistic Healthcare in Public Transit through Fog and Edge Computing. , 2019, , .		2
12	Towards Media Inter-cloud Standardization â€" Evaluating Impact of Cloud Storage Heterogeneity. Journal of Grid Computing, 2018, 16, 425-443.	2.5	13
13	Transmission and Latency-Aware Load Balancing for Fog Radio Access Networks. , 2018, , .		17
14	Delay Tolerant Computing. , 2018, , .		7
15	Fog-Supported Internet of Things (IoTs) Architecture for Remote Patient Monitoring Systems Using Wireless Body Area Sensor Networks. , 2018, , .		6
16	Leveraging Neighboring Cooperative Devices for Mobile Storage Offloading. , 2018, , .		0
17	EdgeStore: Leveraging Edge Devices for Mobile Storage Offloading. , 2018, , .		7
18	Towards Intelligent Edge Storage Management: Determining and Predicting Mobile File Popularity. , 2018, , .		14

#	Article	IF	Citations
19	Fog Computing Architecture, Evaluation, and Future Research Directions. , 2018, 56, 46-52.		173
20	Cloud Resource Allocation Based on Historical Records: An Analysis of Different Resource Estimation Functions. Lecture Notes in Computer Science, 2018, , 118-129.	1.0	2
21	Deploying Fog Computing in Industrial Internet of Things and Industry 4.0. IEEE Transactions on Industrial Informatics, 2018, 14, 4674-4682.	7.2	426
22	Offloading in fog computing for IoT: Review, enabling technologies, and research opportunities. Future Generation Computer Systems, 2018, 87, 278-289.	4.9	287
23	IoT Resource Estimation Challenges and Modeling in Fog. , 2018, , 17-31.		32
24	Cloud broker service‐oriented resource management model. Transactions on Emerging Telecommunications Technologies, 2017, 28, e2937.	2.6	12
25	IoTFLiP: IoT-based flipped learning platform for medical education. Digital Communications and Networks, 2017, 3, 188-194.	2.7	49
26	Using DEVS for modeling and simulating a Fog Computing environment. , 2017, , .		35
27	RACE: Relinquishment-Aware Cloud Economics Model. , 2017, , .		4
28	OmniBox: Efficient cloud storage by evaluating Dropbox and Box. , 2017, , .		2
29	An architecture of IPTV service based on PVR-Micro data center and PMIPv6 in cloud computing. Multimedia Tools and Applications, 2017, 76, 21579-21612.	2.6	6
30	Fog Assisted Driver Behavior Monitoring for Intelligent Transportation System. , 2017, , .		10
31	An Architecture of IoT Service Delegation and Resource Allocation Based on Collaboration between Fog and Cloud Computing. Mobile Information Systems, 2016, 2016, 1-15.	0.4	49
32	MeFoRE: QoE based resource estimation at Fog to enhance QoS in IoT. , 2016, , .		60
33	Cloud-based smart waste management for smart cities. , 2016, , .		85
34	PRE-Fog: IoT trace based probabilistic resource estimation at Fog. , 2016, , .		44
35	Fog Computing: The Cloud-IoT/IoE Middleware Paradigm. IEEE Potentials, 2016, 35, 40-44.	0.2	171
36	Cloud of Things: Integration of IoT with Cloud Computing. Studies in Systems, Decision and Control, 2016, , 77-94.	0.8	39

#	Article	IF	Citations
37	Cloud Customer's Historical Record Based Resource Pricing. IEEE Transactions on Parallel and Distributed Systems, 2016, 27, 1929-1940.	4.0	28
38	Fog Computing Micro Datacenter Based Dynamic Resource Estimation and Pricing Model for IoT. , 2015, , .		219
39	Cloud customersâ€™ historical record based on-demand resource reservation. , 2015, , .		0
40	QoS degradation based reimbursement for real-time cloud communication. , 2015, , .		2
41	E-HAMC: Leveraging Fog computing for emergency alert service. , 2015, , .		71
42	Context-Aware Emergency Notification Service over 4G EPC Network: Concept and Design. , 2015, , .		1
43	Framework of N-Screen services based on PVR-micro data center and PMIPv6 in cloud computing. , 2015, , .		0
44	M2M Emergency Help Alert Mobile Cloud Architecture. , 2015, , .		4
45	Dynamic resource provisioning through Fog micro datacenter. , 2015, , .		141
46	A Novel Approach for Optimal Multimedia Data Distribution in Mobile Cloud Computing. Advances in Multimedia, 2014, 2014, 1-6.	0.2	0
47	Inter-cloud Media Storage and Media Cloud Architecture for Inter-cloud Communication. , 2014, , .		7
48	Fog Computing and Smart Gateway Based Communication for Cloud of Things. , 2014, , .		397
49	Context Representation and Fusion: Advancements and Opportunities. Sensors, 2014, 14, 9628-9668.	2.1	22
50	Broker as a Service (BaaS) Pricing and Resource Estimation Model. , 2014, , .		17
51	Resource Management in Media Cloud of Things. , 2014, , .		5
52	Cloud Brokerage Model for Resource Pricing and Refund. , 2014, , .		2
53	Advance resource reservation and QoS based refunding in cloud federation. , 2014, , .		10
54	Media Inter-Cloud Architecture and Storage Efficiency Challenge. , 2014, , .		2

#	Article	IF	Citations
55	Framework of Resource Management for Intercloud Computing. Mathematical Problems in Engineering, 2014, 2014, 1-9.	0.6	11
56	Cloud of Things: Integrating Internet of Things and cloud computing and the issues involved. , 2014, , .		294
57	A solution for optimizing recovery time in cloud computing. , 2014, , .		5
58	Smart gateway based communication for cloud of things. , 2014, , .		68
59	Task scheduling for optimizing recovery time in cloud computing. , 2014, , .		1
60	Impact of ipv4-ipv6 coexistence in cloud virtualization environment. Annales Des Telecommunications/Annals of Telecommunications, 2014, 69, 485-496.	1.6	10
61	Resource Prediction for Inter-cloud Broker. Lecture Notes in Computer Science, 2014, , 559-562.	1.0	0
62	Redefining flow label in IPv6 and MPLS headers for end to end QoS in virtual networking for Thin client. , 2013, , .		13
63	Network as a Service and its Key Challenges in Cloud Computing. Proceedings of the Asia-Pacific Advanced Network, 2013, 36, 125.	0.3	0
64	Evaluation of 6to4 and ISATAP on a test LAN. , 2011, , .		8
65	Deployment and performance evaluation of Teredo and ISATAP over real test-bed setup. , 2010, , .		9
66	Comparison of ipv6 tunneled traffic of Teredo and ISATAP over test-bed setup. , 2010, , .		10