

Mohammad Aazam

List of Publications by Year in descending order

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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	Deploying Fog Computing in Industrial Internet of Things and Industry 4.0. IEEE Transactions on Industrial Informatics, 2018, 14, 4674-4682.	7.2	426
2	Fog Computing and Smart Gateway Based Communication for Cloud of Things. , 2014, , .		397
3	Cloud of Things: Integrating Internet of Things and cloud computing and the issues involved. , 2014, , .		294
4	Offloading in fog computing for IoT: Review, enabling technologies, and research opportunities. Future Generation Computer Systems, 2018, 87, 278-289.	4.9	287
5	Fog Computing Micro Datacenter Based Dynamic Resource Estimation and Pricing Model for IoT. , 2015, , .		219
6	Fog Computing Architecture, Evaluation, and Future Research Directions. , 2018, 56, 46-52.		173
7	Fog Computing: The Cloud-IoT/IoE Middleware Paradigm. IEEE Potentials, 2016, 35, 40-44.	0.2	171
8	Dynamic resource provisioning through Fog micro datacenter. , 2015, , .		141
9	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
10	Cloud-based smart waste management for smart cities. , 2016, , .		85
11	E-HAMC: Leveraging Fog computing for emergency alert service. , 2015, , .		71
12	Smart gateway based communication for cloud of things. , 2014, , .		68
13	MeFoRE: QoE based resource estimation at Fog to enhance QoS in IoT. , 2016, , .		60
14	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
15	IoTFLiP: IoT-based flipped learning platform for medical education. Digital Communications and Networks, 2017, 3, 188-194.	2.7	49
16	Energy-Efficient Computation Offloading in Vehicular Edge Cloud Computing. IEEE Access, 2020, 8, 37632-37644.	2.6	49
17	PRE-Fog: IoT trace based probabilistic resource estimation at Fog. , 2016, , .		44
18	Task offloading in edge computing for machine learning-based smart healthcare. Computer Networks, 2021, 191, 108019.	3.2	41

#	ARTICLE	IF	CITATIONS
19	Cloud of Things: Integration of IoT with Cloud Computing. Studies in Systems, Decision and Control, 2016, , 77-94.	0.8	39
20	Using DEVS for modeling and simulating a Fog Computing environment. , 2017, , .		35
21	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
22	IoT Resource Estimation Challenges and Modeling in Fog. , 2018, , 17-31.		32
23	Health Fog for Smart Healthcare. IEEE Consumer Electronics Magazine, 2020, 9, 96-102.	2.3	29
24	Cloud Customer's Historical Record Based Resource Pricing. IEEE Transactions on Parallel and Distributed Systems, 2016, 27, 1929-1940.	4.0	28
25	Context Representation and Fusion: Advancements and Opportunities. Sensors, 2014, 14, 9628-9668.	2.1	22
26	Broker as a Service (BaaS) Pricing and Resource Estimation Model. , 2014, , .		17
27	Transmission and Latency-Aware Load Balancing for Fog Radio Access Networks. , 2018, , .		17
28	Towards Intelligent Edge Storage Management: Determining and Predicting Mobile File Popularity. , 2018, , .		14
29	Redefining flow label in IPv6 and MPLS headers for end to end QoS in virtual networking for Thin client. , 2013, , .		13
30	Towards Media Inter-cloud Standardization " Evaluating Impact of Cloud Storage Heterogeneity. Journal of Grid Computing, 2018, 16, 425-443.	2.5	13
31	Cloud broker service-oriented resource management model. Transactions on Emerging Telecommunications Technologies, 2017, 28, e2937.	2.6	12
32	Framework of Resource Management for Intercloud Computing. Mathematical Problems in Engineering, 2014, 2014, 1-9.	0.6	11
33	SemKoRe: Improving Machine Maintenance in Industrial IoT with Semantic Knowledge Graphs. Applied Sciences (Switzerland), 2020, 10, 6325.	1.3	11
34	Comparison of ipv6 tunneled traffic of Teredo and ISATAP over test-bed setup. , 2010, , .		10
35	Advance resource reservation and QoS based refunding in cloud federation. , 2014, , .		10
36	Impact of ipv4-ipv6 coexistence in cloud virtualization environment. Annales Des Telecommunications/Annals of Telecommunications, 2014, 69, 485-496.	1.6	10

#	ARTICLE	IF	CITATIONS
37	Fog Assisted Driver Behavior Monitoring for Intelligent Transportation System. , 2017, , .		10
38	Deployment and performance evaluation of Teredo and ISATAP over real test-bed setup. , 2010, , .		9
39	Evaluation of 6to4 and ISATAP on a test LAN. , 2011, , .		8
40	Inter-cloud Media Storage and Media Cloud Architecture for Inter-cloud Communication. , 2014, , .		7
41	Delay Tolerant Computing. , 2018, , .		7
42	EdgeStore: Leveraging Edge Devices for Mobile Storage Offloading. , 2018, , .		7
43	Mapping QoE with Resource Estimation in IoT. , 2019, , .		7
44	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
45	Fog-Supported Internet of Things (IoTs) Architecture for Remote Patient Monitoring Systems Using Wireless Body Area Sensor Networks. , 2018, , .		6
46	Resource Management in Media Cloud of Things. , 2014, , .		5
47	A solution for optimizing recovery time in cloud computing. , 2014, , .		5
48	M2M Emergency Help Alert Mobile Cloud Architecture. , 2015, , .		4
49	RACE: Relinquishment-Aware Cloud Economics Model. , 2017, , .		4
50	Cloud Brokerage Model for Resource Pricing and Refund. , 2014, , .		2
51	Media Inter-Cloud Architecture and Storage Efficiency Challenge. , 2014, , .		2
52	QoS degradation based reimbursement for real-time cloud communication. , 2015, , .		2
53	OmniBox: Efficient cloud storage by evaluating Dropbox and Box. , 2017, , .		2
54	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

#	ARTICLE	IF	CITATIONS
55	oHealth: Opportunistic Healthcare in Public Transit through Fog and Edge Computing. , 2019, , .		2
56	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
57	IEEE Access Special Section Editorial: Sustainable Infrastructures, Protocols, and Research Challenges for FOG Computing. IEEE Access, 2020, 8, 110943-110946.	2.6	2
58	Floating Fog: extending fog computing to vast waters for aerial users. Cluster Computing, 2022, , 1-15.	3.5	2
59	Task scheduling for optimizing recovery time in cloud computing. , 2014, , .		1
60	Context-Aware Emergency Notification Service over 4G EPC Network: Concept and Design. , 2015, , .		1
61	A Novel Approach for Optimal Multimedia Data Distribution in Mobile Cloud Computing. Advances in Multimedia, 2014, 2014, 1-6.	0.2	0
62	Cloud customersâ€™ historical record based on-demand resource reservation. , 2015, , .		0
63	Framework of N-Screen services based on PVR-micro data center and PMIPv6 in cloud computing. , 2015, , .		0
64	Leveraging Neighboring Cooperative Devices for Mobile Storage Offloading. , 2018, , .		0
65	Network as a Service and its Key Challenges in Cloud Computing. Proceedings of the Asia-Pacific Advanced Network, 2013, 36, 125.	0.3	0
66	Resource Prediction for Inter-cloud Broker. Lecture Notes in Computer Science, 2014, , 559-562.	1.0	0