

Mohammad Hossein Yaghmaee Moghaddam

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

136
papers

1,412
citations

18
h-index

31
g-index

175
ext. papers

1,762
ext. citations

4.1
avg, IF

5.32
L-index

#	Paper	IF	Citations
136	Demand Response Application as a Service: An SDN-based Management Framework. <i>IEEE Transactions on Smart Grid</i> , 2021 , 1-1	10.7	0
135	Joint Peak Clipping and Load Scheduling Based on User Behavior Monitoring in an IoT Platform. <i>IEEE Systems Journal</i> , 2021 , 15, 1202-1213	4.3	3
134	Energy exchange cooperative model in SDN-based interconnected multi-microgrids. <i>Sustainable Energy, Grids and Networks</i> , 2021 , 27, 100491	3.6	4
133	Performance evaluation of CoAP proxy virtualisation in cloud-assisted sensor networks. <i>IET Wireless Sensor Systems</i> , 2020 , 10, 117-125	1.6	
132	. <i>IEEE Transactions on Smart Grid</i> , 2020 , 11, 4949-4959	10.7	14
131	Load-Balancing Algorithm for Multiple Gateways in Fog-Based Internet of Things. <i>IEEE Internet of Things Journal</i> , 2020 , 7, 7043-7053	10.7	7
130	. <i>IEEE Transactions on Green Communications and Networking</i> , 2020 , 4, 873-889	4	16
129	. <i>IEEE Internet of Things Journal</i> , 2020 , 7, 3323-3337	10.7	9
128	A New Framework for Increasing the Sustainability of Infrastructure Measurement of Smart Grid. <i>Kiyfiyyat Va Bahrah/varā'ī san at-i Barq-i Īā</i> , 2020 , 8, 10-21	0	
127	Reactive caching of viral content in 5G networks 2020 ,		1
126	SDN-Based Quality of Service Networking for Wide Area Measurement System. <i>IEEE Transactions on Industrial Informatics</i> , 2020 , 16, 3018-3028	11.9	16
125	Development of a Markov-Chain-Based Solar Generation Model for Smart Microgrid Energy Management System. <i>IEEE Transactions on Sustainable Energy</i> , 2020 , 11, 736-745	8.2	14
124	2019 ,		7
123	A New Pricing Mechanism for Optimal Load Scheduling in Smart Grid. <i>IEEE Systems Journal</i> , 2019 , 13, 1737-1746	4.3	12
122	An Additive Noise Modeling Technique for Accurate Statistical Study of Residual RF Hardware Impairments 2019 ,		4
121	Machine Learning in Transportation. <i>Journal of Advanced Transportation</i> , 2019 , 2019, 1-3	1.9	12
120	Performance Analysis of Multithreaded IoT Gateway. <i>IEEE Internet of Things Journal</i> , 2019 , 6, 3143-3155	10.7	13

119	Hierarchical Clustering-Task Scheduling Policy in Cluster-Based Wireless Sensor Networks. <i>IEEE Transactions on Industrial Informatics</i> , 2018 , 14, 1876-1886	11.9	49
118	A fog-based internet of energy architecture for transactive energy management systems. <i>IEEE Internet of Things Journal</i> , 2018 , 5, 1055-1069	10.7	79
117	Multi-class routing protocol using virtualization and SDN-enabled architecture for smart grid. <i>Peer-to-Peer Networking and Applications</i> , 2018 , 11, 380-396	3.1	13
116	On the Performance of Distributed and Cloud-Based Demand Response in Smart Grid. <i>IEEE Transactions on Smart Grid</i> , 2018 , 9, 5403-5417	10.7	43
115	Distributed Clustering-Task Scheduling for Wireless Sensor Networks Using Dynamic Hyper Round Policy. <i>IEEE Transactions on Mobile Computing</i> , 2018 , 17, 334-347	4.6	48
114	Design, implementation and performance evaluation of a proactive overload control mechanism for networks of SIP servers. <i>Telecommunication Systems</i> , 2018 , 67, 309-322	2.3	2
113	OpenAMI: Software-Defined AMI Load Balancing. <i>IEEE Internet of Things Journal</i> , 2018 , 5, 206-218	10.7	17
112	On Maximizing QoE in AVC-Based HTTP Adaptive Streaming: An SDN Approach 2018 ,		5
111	An Optimal Spatial and Temporal Charging Schedule for Electric Vehicles in Smart Grid 2018 ,		2
110	OpenSIP: Toward Software-Defined SIP Networking. <i>IEEE Transactions on Network and Service Management</i> , 2018 , 15, 184-199	4.8	11
109	Anomaly-based DoS detection and prevention in SIP networks by modeling SIP normal traffic. <i>International Journal of Communication Systems</i> , 2018 , 31, e3825	1.7	1
108	Design and Implementation of an Internet of Things Based Smart Energy Metering 2018 ,		11
107	A load scheduler for SIP proxy servers: design, implementation and evaluation of a history weighted window approach. <i>International Journal of Communication Systems</i> , 2017 , 30, e2980	1.7	9
106	Autonomous Two-Tier Cloud-Based Demand Side Management Approach with Microgrid. <i>IEEE Transactions on Industrial Informatics</i> , 2017 , 13, 1109-1120	11.9	35
105	Residential power consumption forecasting in the smart grid using ANFIS system 2017 ,		3
104	Optimal placement of data aggregators in smart grid on hybrid wireless and wired communication 2016 ,		8
103	Personalized pricing: A new approach for dynamic pricing in the smart grid 2016 ,		7
102	Power Consumption Scheduling for Future Connected Smart Homes Using Bi-Level Cost-Wise Optimization Approach. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , 2016 , 326-338	0.2	6

101	Overload mitigation mechanism for VoIP networks: a transport layer approach based on resource management. <i>Transactions on Emerging Telecommunications Technologies</i> , 2016 , 27, 857-873	1.9	3
100	An anomaly based VoIP DoS attack detection and prevention method using fuzzy logic 2016 ,		1
99	SDN-based scheduling strategy on load balancing of virtual sensor resources in sensor-cloud 2016 ,		4
98	Modeling SIP normal traffic to detect and prevent SIP-VoIP flooding attacks using fuzzy logic 2016 ,		2
97	A Load-Balanced Call Admission Controller for IMS Cloud Computing. <i>IEEE Transactions on Network and Service Management</i> , 2016 , 13, 806-822	4.8	21
96	An Adaptive Competitive Resource Control Protocol for Alleviating Congestion in Wireless Sensor Networks: An Evolutionary Game Theory Approach. <i>Wireless Personal Communications</i> , 2015 , 82, 123-142	1.9	8
95	Total Data Collection Algorithm Based on Estimation Model for Wireless Sensor Network. <i>Wireless Personal Communications</i> , 2015 , 81, 745-778	1.9	4
94	Efficient data collecting and target parameter estimation in wireless sensor networks. <i>Journal of Network and Computer Applications</i> , 2015 , 57, 142-155	7.9	4
93	ODT: Optimal deadline-based trajectory for mobile sinks in WSN: A decision tree and dynamic programming approach. <i>Computer Networks</i> , 2015 , 77, 128-143	5.4	22
92	Overload Control in SIP Networks: A Heuristic Approach Based on Mathematical Optimization 2015 ,		6
91	Anomaly detection and foresight response strategy for wireless sensor networks. <i>Wireless Networks</i> , 2015 , 21, 1425-1442	2.5	6
90	A Distributed Cache Points Selection scheme for reliable transport protocols with intermediate caching in Wireless Sensor Networks 2014 ,		2
89	Fuzzy TADR: A fuzzy extension to TADR algorithm for congestion control in wireless sensor network 2014 ,		1
88	Design of energy-aware QoS routing protocol in wireless sensor networks using reinforcement learning 2014 ,		2
87	. <i>IEEE Transactions on Vehicular Technology</i> , 2014 , 1-1	6.8	23
86	HOCA: Healthcare Aware Optimized Congestion Avoidance and control protocol for wireless sensor networks. <i>Journal of Network and Computer Applications</i> , 2014 , 37, 216-228	7.9	53
85	An entropy-based VoIP flooding attacks detection and prevention system 2014 ,		3
84	DRCP: A Dynamic Resource Control Protocol for alleviating congestion in Wireless Sensor Networks 2014 ,		2

83	A comprehensive SPIT detection and prevention framework based on reputation model on call communication patterns 2014 ,		3
82	VoIP performance comparison in wireless networks with different encryption methods 2014 ,		1
81	A novel load scheduling for session initiation protocol networks 2014 ,		2
80	Optimized Congestion Management Protocol for Healthcare Wireless Sensor Networks. <i>Wireless Personal Communications</i> , 2014 , 75, 11-34	1.9	35
79	A Survey of Different SPIT Mitigation Methods and a Presentation of a Comprehensive SPIT Detection Framework. <i>International Journal of Machine Learning and Computing</i> , 2014 , 4, 188-193	1.8	1
78	A Prioritization Based Congestion Control Protocol for Healthcare Monitoring Application in Wireless Sensor Networks. <i>Wireless Personal Communications</i> , 2013 , 72, 2605-2631	1.9	34
77	CycloidGrid: A proximity-aware P2P-based resource discovery architecture in volunteer computing systems. <i>Future Generation Computer Systems</i> , 2013 , 29, 1583-1595	7.5	27
76	A novel congestion control protocol with AQM support for IP-based networks. <i>Telecommunication Systems</i> , 2013 , 52, 229-244	2.3	8
75	TCP Traffic Classification Using Relaxed Constraints Support Vector Machines 2013 , 129-139		3
74	New method for evaluating anti-SPIT in VoIP networks 2013 ,		1
73	Quality of service guarantee in smart grid infrastructure communication using traffic classification 2013 ,		9
72	AN ENERGY-EFFICIENT DEADLINE-BASED DATA GATHERING ALGORITHM IN HIERARCHICAL WSN WITH MOBILE SINK. <i>Journal of Interconnection Networks</i> , 2013 , 14, 1350009	0.4	
71	SIP Overload Control Testbed: Design, Building and Evaluation. <i>The International Journal of Ambient Systems and Applications</i> , 2013 , 1, 17-26		2
70	COCM: Class Based Optimized Congestion Management Protocol for Healthcare Wireless Sensor Networks. <i>Wireless Sensor Network</i> , 2013 , 05, 137-149	0.9	6
69	The Overload Reduction in SIP Servers through Exact Regulation of the Retransmission Timer of the Invite Message. <i>Journal of Computer and Communications</i> , 2013 , 01, 7-16	0.8	
68	Probability based hop selection approach for resource control in Wireless Sensor Network 2012 ,		1
67	An energy-aware distributed clustering protocol in wireless sensor networks using fuzzy logic. <i>Ad Hoc Networks</i> , 2012 , 10, 1469-1481	4.8	174
66	Queen-MAC: A quorum-based energy-efficient medium access control protocol for wireless sensor networks. <i>Computer Networks</i> , 2012 , 56, 2221-2236	5.4	25

65	Proposed secureSIP Authentication Scheme based on Elliptic Curve Cryptography. <i>International Journal of Computer Applications</i> , 2012 , 58, 25-30	1.1	7
64	A Novel Algorithm for Detecting Sinkhole Attacks in WSNs. <i>International Journal of Computer Theory and Engineering</i> , 2012 , 418-421	0.1	5
63	A Fault Tolerant Protocol for Wireless Sensor Networks 2011 ,		5
62	TDMA Scheduling in Wireless Sensor Network Using Artificial Immune System. <i>Advances in Intelligent and Soft Computing</i> , 2011 , 175-185		2
61	A hybrid clustering approach for prolonging lifetime in wireless sensor networks 2011 ,		6
60	Designing an energy efficient prediction-based algorithm for target tracking in wireless sensor networks 2011 ,		7
59	DESC: Distributed Energy Efficient Scheme to Cluster Wireless Sensor Networks. <i>Lecture Notes in Computer Science</i> , 2011 , 234-246	0.9	5
58	A local cluster head election algorithm in wireless sensor networks 2011 ,		7
57	Adaptive QoS scheduling in wireless cellular networks. <i>Wireless Networks</i> , 2011 , 17, 701-716	2.5	6
56	Centralized Key Management Scheme in Wireless Sensor Networks. <i>Wireless Personal Communications</i> , 2011 , 60, 463-474	1.9	6
55	Proximity-Aware Resource Discovery Architecture in Peer-to-Peer Based Volunteer Computing System 2011 ,		2
54	Designing a prediction-based clustering algorithm for target tracking in wireless sensor networks 2011 ,		10
53	A novel fuzzy metric to evaluate clusters for prolonging lifetime in wireless sensor networks 2011 ,		8
52	FCM-fuzzy rule base: A new rule extraction mechanism 2011 ,		1
51	Joint Active Queue Management and Congestion Control Protocol for Healthcare Applications in Wireless Body Sensor Networks. <i>Lecture Notes in Computer Science</i> , 2011 , 88-95	0.9	10
50	An efficient and class based active Queue Management for next generation networks 2010 ,		2
49	Localization in wireless sensor networks using tabu search and simulated annealing 2010 ,		7
48	Optimal Location for Mobile Sink in Wireless Sensor Networks 2010 ,		11

47	Proportionally fair flow control mechanism for best effort traffic in network-on-chip architectures. <i>International Journal of Parallel, Emergent and Distributed Systems</i> , 2010 , 25, 345-362	1
46	Optimal regulation of traffic flows in networks-on-chip 2010 ,	7
45	A probabilistic fuzzy approach for sensor location estimation in wireless sensor networks 2010 ,	5
44	A fuzzy Active Queue Management mechanism for Internet congestion control 2010 ,	4
43	A fair active queue management approach based on supply and demand model 2010 ,	1
42	Energy Efficient Prediction-Based Clustering Algorithm for Target Tracking in Wireless Sensor Networks 2010 ,	5
41	A multi-objective genetic algorithm based approach for energy efficient QoS-routing in two-tiered Wireless Sensor Networks 2010 ,	19
40	Buffer Optimization in Network-on-Chip Through Flow Regulation. <i>IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems</i> , 2010 , 29, 1973-1986	2.5 24
39	A QoS based data dissemination protocol for wireless multimedia sensor networks 2010 ,	3
38	Cluster head selection using a two-level fuzzy logic in wireless sensor networks 2010 ,	4
37	Mobile base station management using fuzzy logic in wireless sensor networks 2010 ,	2
36	Improved rate controlled reliable transport protocol (IRCRT) for wireless sensors networks 2010 ,	1
35	A Novel Congestion Control Protocol for Vital Signs Monitoring in Wireless Biomedical Sensor Networks 2010 ,	6
34	Improving on HEED protocol of wireless sensor networks using non probabilistic approach and fuzzy logic (HEED-NPF) 2010 ,	9
33	Priority-based rate control for service differentiation and congestion control in wireless multimedia sensor networks. <i>Computer Networks</i> , 2009 , 53, 1798-1811	5.4 78
32	An adaptive Cross-Layer multichannel QoS-MAC protocol for cluster based wireless multimedia sensor networks 2009 ,	7
31	An efficient energy aware routing protocol for real time traffic in wireless sensor networks 2009 ,	4
30	A Novel Downlink Handover Priority Scheduling Algorithm for Providing Seamless Mobility and QoS in IEEE802.16e BWA System 2009 ,	5

29	Energy aware multi-path and multi-SPEED routing protocol in wireless sensor networks 2009 ,		3
28	A new clustering protocol for Mobile Ad-Hoc networks 2008 ,		5
27	A reliable transport protocol for Wireless Sensor Networks 2008 ,		6
26	A new priority based congestion control protocol for Wireless Multimedia Sensor Networks 2008 ,		31
25	A Novel Congestion Control Scheme in Network-on-Chip Based on Best Effort Delay-Sum Optimization. <i>Parallel Architectures, Algorithms and Networks (I-SPAN), Proceedings of the International Symposium on</i> , 2008 ,		1
24	A Model for Differentiated Service Support in Wireless Multimedia Sensor Networks 2008 ,		8
23	CFL: A clustering algorithm for localization in Wireless Sensor Networks 2008 ,		5
22	Energy efficient and congestion aware routing algorithms for Wireless Sensor Networks connected as Hypercube 2008 ,		2
21	A novel flow control scheme for best effort traffics in Network-on-Chip based on Weighted Max-Min-fairness 2008 ,		2
20	Virtual topology reconfiguration of WDM optical networks using fuzzy logic control 2008 ,		4
19	Best Effort Flow Control in Network-on-Chip. <i>Communications in Computer and Information Science</i> , 2008 , 990-993	0.3	0
18	Energy Efficient Spanning Tree for Data Aggregation in Wireless Sensor Networks 2008 ,		13
17	Automata based energy efficient spanning tree for data aggregation in Wireless Sensor Networks 2008 ,		4
16	Tree based energy efficient and Congestion aware Routing Protocol for Wireless Sensor Networks 2008 ,		6
15	Proportionally-fair best effort flow control in network-on-chip architectures. <i>Parallel and Distributed Processing Symposium (IPDPS), Proceedings of the International Conference on</i> , 2008 ,		2
14	Max-Min-Fair Best Effort Flow Control in Network-on-Chip Architectures. <i>Lecture Notes in Computer Science</i> , 2008 , 436-445	0.9	2
13	Three Dimension QoS Deviation based Scheduling in Adaptive Wireless Networks. <i>International Conference on Advanced Networking and Applications</i> , 2007 ,		1
12	A Fault-Tolerant Mutual Exclusion Resource Reservation Protocol for Clustered Mobile Ad hoc Networks 2007 ,		1

11	Design and Implementation of a Monitoring System Based on IPFIX Protocol 2007 ,		6
10	FACT: A New Fuzzy Adaptive Clustering Technique. <i>Lecture Notes in Computer Science</i> , 2006 , 588-594	0.9	
9	A Fuzzy Algorithm for QoS-Based Routing in MPLS Network 2006 ,		1
8	Virtual Topology Reconfiguration with Protection Method in WDM Networks 2006 ,		3
7	Fuzzy TCP: Optimizing TCP Congestion Control 2006 ,		2
6	FACT: A New Fuzzy Adaptive Clustering Technique 2006 ,		7
5	Fuzzy Proactive Queue Management Technique 2006 ,		2
4	A modified random early detection algorithm: Fuzzy logic based approach. <i>Journal of Communications and Networks</i> , 2005 , 7, 337-352	4.1	1
3	Design and performance evaluation of a fuzzy based traffic conditioner for differentiated services. <i>Computer Networks</i> , 2005 , 47, 847-869	5.4	6
2	A novel FLC-based approach for ATM traffic control. <i>Computer Networks</i> , 2001 , 36, 643-658	5.4	3
1	An intelligent usage parameter controller based on dynamic rate leaky bucket for ATM networks. <i>Computer Networks</i> , 2000 , 32, 17-34	5.4	3