Mohsen Guizani

List of Publications by Citations

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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.

971 papers	27,193 citations	72 h-index	136 g-index
1,152 ext. papers	36,234 ext. citations	6.9 avg, IF	8.15 L-index

#	Paper	IF	Citations
971	. *IEEE Communications Surveys and Tutorials*, **2015**, 17, 2347-2376	37.1	3882
970	Unmanned Aerial Vehicles (UAVs): A Survey on Civil Applications and Key Research Challenges. *IEEE Access*, **2019**, 7, 48572-48634	3.5	603
969	Deep Learning for IoT Big Data and Streaming Analytics: A Survey. *IEEE Communications Surveys and Tutorials*, **2018**, 20, 2923-2960	37.1	574
968	MeDShare: Trust-Less Medical Data Sharing Among Cloud Service Providers via Blockchain. *IEEE Access*, **2017**, 5, 14757-14767	3.5	536
967	A Comprehensive Review of the COVID-19 Pandemic and the Role of IoT, Drones, AI, Blockchain, and 5G in Managing its Impact. *IEEE Access*, **2020**, 8, 90225-90265	3.5	451
966	5G wireless backhaul networks: challenges and research advances. *IEEE Network*, **2014**, 28, 6-11	11.4	385
965	An effective key management scheme for heterogeneous sensor networks. *Ad Hoc Networks*, **2007**, 5, 24-34	4.8	358
964	Internet of Things Architecture: Recent Advances, Taxonomy, Requirements, and Open Challenges. *IEEE Wireless Communications*, **2017**, 24, 10-16	13.4	310
963	**2011**, 49, 44-52		300
962	Transactions papers a routing-driven Elliptic Curve Cryptography based key management scheme for Heterogeneous Sensor Networks. *IEEE Transactions on Wireless Communications*, **2009**, 8, 1223-1229	9.6	275
961	Smart Cities: A Survey on Data Management, Security, and Enabling Technologies. *IEEE Communications Surveys and Tutorials*, **2017**, 19, 2456-2501	37.1	264
960	A Survey on Mobile Anchor Node Assisted Localization in Wireless Sensor Networks. *IEEE Communications Surveys and Tutorials*, **2016**, 18, 2220-2243	37.1	261
959	A Survey of Machine and Deep Learning Methods for Internet of Things (IoT) Security. *IEEE Communications Surveys and Tutorials*, **2020**, 22, 1646-1685	37.1	256
958	Internet-of-things-based smart environments: state of the art, taxonomy, and open research challenges. *IEEE Wireless Communications*, **2016**, 23, 10-16	13.4	225
957	Edge Computing in the Industrial Internet of Things Environment: Software-Defined-Networks-Based Edge-Cloud Interplay **2018**, 56, 44-51		206
956	. *IEEE Internet of Things Journal*, **2018**, 5, 624-635	10.7	193
955	Privacy-Preserving Support Vector Machine Training Over Blockchain-Based Encrypted IoT Data in Smart Cities. *IEEE Internet of Things Journal*, **2019**, 6, 7702-7712	10.7	185

954	. *IEEE Network*, **2011**, 25, 6-14	11.4	182
953	Timing Channel in IaaS: How to Identify and Investigate. *IEEE Access*, **2019**, 7, 1-11	3.5	179
952	ACPN: A Novel Authentication Framework with Conditional Privacy-Preservation and Non-Repudiation for VANETs. *IEEE Transactions on Parallel and Distributed Systems*, **2015**, 26, 938-948	3.7	172
951	5G D2D Networks: Techniques, Challenges, and Future Prospects. *IEEE Systems Journal*, **2018**, 12, 3970-3984	4.9	160
950	. *IEEE Transactions on Parallel and Distributed Systems*, **2015**, 26, 1228-1237	3.7	159
949	Software-Defined Networking for RSU Clouds in Support of the Internet of Vehicles. *IEEE Internet of Things Journal*, **2015**, 2, 133-144	10.7	154
948	When Mobile Crowd Sensing Meets UAV: Energy-Efficient Task Assignment and Route Planning. *IEEE Transactions on Communications*, **2018**, 66, 5526-5538	6.9	150
947	. *IEEE Communications Surveys and Tutorials*, **2008**, 10, 78-93	37.1	148
946	5G Millimeter-Wave Antenna Array: Design and Challenges. *IEEE Wireless Communications*, **2017**, 24, 106-112	13.4	143
945	Reliable Federated Learning for Mobile Networks. *IEEE Wireless Communications*, **2020**, 27, 72-80	13.4	142
944	The rise of ransomware and emerging security challenges in the Internet of Things. *Computer Networks*, **2017**, 129, 444-458	5.4	139
943	Blockchain and IoT-Based Cognitive Edge Framework for Sharing Economy Services in a Smart City. *IEEE Access*, **2019**, 7, 18611-18621	3.5	134
942	Deep Feature Learning for Medical Image Analysis with Convolutional Autoencoder Neural Network. *IEEE Transactions on Big Data*, **2017**, 1-1	3.2	128
941	Security in Mobile Edge Caching with Reinforcement Learning. *IEEE Wireless Communications*, **2018**, 25, 116-122	13.4	126
940	Network function virtualization in 5G **2016**, 54, 84-91		126
939	A Distributed Deep Learning System for Web Attack Detection on Edge Devices. *IEEE Transactions on Industrial Informatics*, **2020**, 16, 1963-1971	11.9	117
938	CorrAUC: A Malicious Bot-IoT Traffic Detection Method in IoT Network Using Machine-Learning Techniques. *IEEE Internet of Things Journal*, **2021**, 8, 3242-3254	10.7	114
937	Toward better horizontal integration among IoT services **2015**, 53, 72-79		112

936	Routing protocols for underwater wireless sensor networks **2015**, 53, 72-78		112
935	Selection of effective machine learning algorithm and Bot-IoT attacks traffic identification for internet of things in smart city. *Future Generation Computer Systems*, **2020**, 107, 433-442	7.5	111
934	. *IEEE Transactions on Vehicular Technology*, **2008**, 57, 2570-2577	6.8	110
933	Multiple Moving Targets Surveillance Based on a Cooperative Network for Multi-UAV. *IEEE Communications Magazine*, **2018**, 56, 82-89	9.1	106
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930	The Internet of Things: A Review of Enabled Technologies and Future Challenges. *IEEE Access*, **2019**, 7, 7606-7640	3.5	99
929	Evaluating Reputation Management Schemes of Internet of Vehicles Based on Evolutionary Game Theory. *IEEE Transactions on Vehicular Technology*, **2019**, 68, 5971-5980	6.8	97
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926	. *IEEE Internet of Things Journal*, **2014**, 1, 276-288	10.7	95
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924	Secure and Efficient Data Transmission for Cluster-Based Wireless Sensor Networks. *IEEE Transactions on Parallel and Distributed Systems*, **2014**, 25, 750-761	3.7	93
923	A data-driven method for future Internet route decision modeling. *Future Generation Computer Systems*, **2019**, 95, 212-220	7.5	92
922	. *IEEE Communications Surveys and Tutorials*, **2017**, 19, 303-324	37.1	91
921	Design Challenges of Multi-UAV Systems in Cyber-Physical Applications: A Comprehensive Survey and Future Directions. *IEEE Communications Surveys and Tutorials*, **2019**, 21, 3340-3385	37.1	90
920	Blockchain-Based Mobile Edge Computing Framework for Secure Therapy Applications. *IEEE Access*, **2018**, 6, 72469-72478	3.5	90
919	Blockchain-Assisted Secure Device Authentication for Cross-Domain Industrial IoT. *IEEE Journal on Selected Areas in Communications*, **2020**, 38, 942-954	14.2	88

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913	Communication Security of Unmanned Aerial Vehicles. *IEEE Wireless Communications*, **2017**, 24, 134-139	13.4	82
912	When Energy Trading Meets Blockchain in Electrical Power System: The State of the Art. *Applied Sciences (Switzerland)*, **2019**, 9, 1561	2.6	80
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905	Auction Design and Analysis for SDN-Based Traffic Offloading in Hybrid Satellite-Terrestrial Networks. *IEEE Journal on Selected Areas in Communications*, **2018**, 36, 2202-2217	14.2	77
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856	. *IEEE Transactions on Smart Grid*, **2013**, 4, 99-110	10.7	49
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853	Heterogeneous Information Network-Based Content Caching in the Internet of Vehicles. *IEEE Transactions on Vehicular Technology*, **2019**, 68, 10216-10226	6.8	48
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847	Security Analysis of a Space-Based Wireless Network. *IEEE Network*, **2019**, 33, 36-43	11.4	47

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827	A Blockchain Model for Fair Data Sharing in Deregulated Smart Grids **2019**,		40
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