

Mehran Abolhasan

List of Publications by Year in descending order

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Version: 2024-02-01

150
papers

5,336
citations

257450

24
h-index

95266

68
g-index

151
all docs

151
docs citations

151
times ranked

5079
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Mobility Model for Contact-Aware Data Offloading Through Train-to-Train Communications in Rail Networks. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 597-609. | 8.0 | 5 |
| 2 | Performance analysis of multi-hop routing protocols in SDN-based wireless networks. Computers and Electrical Engineering, 2022, 97, 107393. | 4.8 | 5 |
| 3 | A Review on Antenna Technologies for Ambient RF Energy Harvesting and Wireless Power Transfer: Designs, Challenges and Applications. IEEE Access, 2022, 10, 17231-17267. | 4.2 | 66 |
| 4 | Science and Technology Parks: A Futuristic Approach. IEEE Access, 2022, 10, 31981-32021. | 4.2 | 4 |
| 5 | Statistical Learning-Based Grant-Free Access for Delay-Sensitive Internet of Things Applications. IEEE Transactions on Vehicular Technology, 2022, 71, 5492-5506. | 6.3 | 4 |
| 6 | Minute-wise frost prediction: An approach of recurrent neural networks. Array, 2022, 14, 100158. | 4.0 | 1 |
| 7 | Remote Water Salinity Sensor Using Metamaterial Perfect Absorber. IEEE Transactions on Antennas and Propagation, 2022, 70, 6785-6794. | 5.1 | 10 |
| 8 | A multi-layered intrusion detection system for software defined networking. Computers and Electrical Engineering, 2022, 101, 108042. | 4.8 | 5 |
| 9 | Toward Integrating Intelligence and Programmability in Open Radio Access Networks: A Comprehensive Survey. IEEE Access, 2022, 10, 67747-67770. | 4.2 | 11 |
| 10 | Intelligent and Reliable Millimeter Wave Communications for RIS-Aided Vehicular Networks. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 21582-21592. | 8.0 | 7 |
| 11 | Low-profile dual-band pixelated defected ground antenna for multistandard IoT devices. Scientific Reports, 2022, 12, . | 3.3 | 4 |
| 12 | Review on Metamaterial Perfect Absorbers and Their Applications to IoT. IEEE Internet of Things Journal, 2021, 8, 4105-4131. | 8.7 | 48 |
| 13 | Internet of Things 2.0: Concepts, Applications, and Future Directions. IEEE Access, 2021, 9, 70961-71012. | 4.2 | 61 |
| 14 | Soil moisture remote sensing using SIW cavity based metamaterial perfect absorber. Scientific Reports, 2021, 11, 7153. | 3.3 | 14 |
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| 16 | An End-to-End (E2E) Network Slicing Framework for 5G Vehicular Ad-Hoc Networks. IEEE Transactions on Vehicular Technology, 2021, 70, 7103-7112. | 6.3 | 22 |
| 17 | Software-Defined Networking-Based Adaptive Routing for Multi-Hop Multi-Frequency Wireless Mesh. IEEE Transactions on Vehicular Technology, 2021, 70, 13073-13086. | 6.3 | 5 |
| 18 | Multi-band SIW Cavity Based Metamaterial Perfect Absorber. , 2021, , . | | 0 |

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| 19 | A Novel Approach for Big Data Classification and Transportation in Rail Networks. IEEE Transactions on Intelligent Transportation Systems, 2020, 21, 1239-1249. | 8.0 | 26 |
| 20 | PrivySharing: A blockchain-based framework for privacy-preserving and secure data sharing in smart cities. Computers and Security, 2020, 88, 101653. | 6.0 | 184 |
| 21 | Polarization-Insensitive Metamaterial Absorber for Crowd Estimation Based on Electromagnetic Energy Measurements. IEEE Transactions on Antennas and Propagation, 2020, 68, 1458-1467. | 5.1 | 17 |
| 22 | Optimizing synchronizability in networks of coupled systems. Automatica, 2020, 112, 108711. | 5.0 | 10 |
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| 24 | A Comprehensive Access Point Placement for IoT Data Transmission Through Train-Wayside Communications in Multi-Environment Based Rail Networks. IEEE Transactions on Vehicular Technology, 2020, 69, 11937-11949. | 6.3 | 6 |
| 25 | PLEDGE: A Proof-of-Honesty based Consensus Protocol for Blockchain-based IoT Systems. , 2020, , . | | 7 |
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| 27 | Frost Monitoring Cyber-Physical System: A Survey on Prediction and Active Protection Methods. IEEE Internet of Things Journal, 2020, 7, 6514-6527. | 8.7 | 18 |
| 28 | Optimisation of monolithic nanocomposite and transparent ceramic scintillation detectors for positron emission tomography. Scientific Reports, 2020, 10, 1409. | 3.3 | 17 |
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| 31 | Statistical Learning-Based Dynamic Retransmission Mechanism for Mission Critical Communication: An Edge-Computing Approach. , 2020, , . | | 3 |
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| 33 | A Big Sensor Data Offloading Scheme in Rail Networks. , 2019, , . | | 2 |
| 34 | Efficient Cellular Base Stations Sleep Mode Control Using Image Matching. , 2019, , . | | 3 |
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| 37 | A Hybrid-Fuzzy Logic Guided Genetic Algorithm (H-FLGA) Approach for Resource Optimization in 5G VANETs. IEEE Transactions on Vehicular Technology, 2019, 68, 6964-6974. | 6.3 | 51 |
| 38 | Enabling Technologies for Ultra-Reliable and Low Latency Communications: From PHY and MAC Layer Perspectives. IEEE Communications Surveys and Tutorials, 2019, 21, 2488-2524. | 39.4 | 166 |
| 39 | A Blockchain-based File-sharing System for Academic Paper Review. , 2019, , . | | 12 |
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| 42 | Mapping and Scheduling of Virtual Network Functions using Multi Objective Optimization Algorithm. , 2019, , . | | 3 |
| 43 | Localisation of the Lines of Response in a Continuous Cylindrical Shell PET Scanner. , 2019, 2019, 4844-4850. | | 1 |
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| 46 | Anatomy of Threats to the Internet of Things. IEEE Communications Surveys and Tutorials, 2019, 21, 1636-1675. | 39.4 | 224 |
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| 49 | Enabling Ultra-Reliable and Low-Latency Communications through Unlicensed Spectrum. IEEE Network, 2018, 32, 70-77. | 6.9 | 37 |
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| 55 | A Multi-agent Controller to enable Cognition in Software Defined Networks. , 2018, , . | | 1 |
| 56 | A Routing Framework for Offloading Traffic From Cellular Networks to SDN-Based Multi-Hop Device-to-Device Networks. IEEE Transactions on Network and Service Management, 2018, 15, 1516-1531. | 4.9 | 26 |
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| 58 | Antenna and Propagation Considerations for Amateur UAV Monitoring. IEEE Access, 2018, 6, 28001-28007. | 4.2 | 12 |
| 59 | Opportunistic Spectrum Allocation for Interference Mitigation Amongst Coexisting Wireless Body Area Networks. ACM Transactions on Sensor Networks, 2018, 14, 1-22. | 3.6 | 2 |
| 60 | Analysis of Effective Capacity and Throughput of Polling-Based Device-To-Device Networks. IEEE Transactions on Vehicular Technology, 2018, 67, 8656-8666. | 6.3 | 9 |
| 61 | Blockchain for IoT: The Challenges and a Way Forward. , 2018, , . | | 10 |
| 62 | Blockchain for IoT: The Challenges and a Way Forward. , 2018, , . | | 17 |
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| 70 | Cooperative recovery of coverage holes in WSNs via disjoint spanning trees. , 2017, , . | | 1 |
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| 82 | Graph theory and its applications to future network planning: software-defined online small cell management. IEEE Wireless Communications, 2015, 22, 52-60. | 2.1 | 1 |
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| 98 | SEA-BAN: Semi-autonomous adaptive routing in wireless body area networks. , 2013, , . | | 12 |
| 99 | An iteratively tuned fuzzy logic movement model in WSN using particle swarm optimization. , 2013, , . | | 1 |
| 100 | Improving fairness in IEEE 802.11 networks using MAC layer opportunistic retransmission. Computer Networks, 2013, 57, 3410-3427. | 5.1 | 7 |
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| 146 | Ad Hoc Networks. , 2005, , . | | 0 |
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| 148 | GPS-Based Route Discovery Algorithms for On-Demand Routing Protocols in MANETs. Lecture Notes in Computer Science, 2004, , 144-157. | 1.3 | 6 |
| 149 | A Review of Current On-demand Routing Protocols. Lecture Notes in Computer Science, 2001, , 186-195. | 1.3 | 3 |
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