Muhammad Faheem

List of Publications by Year
in descending order

45 papers	1,345 citations	331670 21 h-index	361022 35 g-index
45 all docs	45 docs citations	45 times ranked	1234 citing authors

#	Article	IF	Citations
1	A QoS provisioning architecture of fiber wireless network based on XGPON and IEEE 802.11ac. Journal of Optical Communications, 2024, 44, s1017-s1022.	4.7	3
2	Attack-Aware Dynamic Upstream Bandwidth Assignment Scheme for Passive Optical Network. Journal of Optical Communications, 2023, 44, 485-493.	4.7	2
3	Enhanced Energy Savings with Adaptive Watchful Sleep Mode for Next Generation Passive Optical Network. Energies, 2022, 15, 1639.	3.1	1
4	Disaster-resilient lightpath routing in WDM optical networks. Optical and Quantum Electronics, 2022, 54, 1.	3.3	1
5	Big datasets of optical-wireless cyber-physical systems for optimizing manufacturing services in the internet of things-enabled industry 4.0. Data in Brief, 2022, 42, 108026.	1.0	28
6	Big Data acquired by Internet of Things-enabled industrial multichannel wireless sensors networks for active monitoring and control in the smart grid Industry 4.0. Data in Brief, 2021, 35, 106854.	1.0	27
7	Sleep-aware wavelength and bandwidth assignment scheme for TWDM PON. Optical and Quantum Electronics, 2021, 53, 295.	3.3	4
8	Handling incomplete data classification using imputed feature selected bagging (IFBag) method. Intelligent Data Analysis, 2021, 25, 825-846.	0.9	0
9	CBI4.0: A cross-layer approach for big data gathering for active monitoring and maintenance in the manufacturing industry 4.0. Journal of Industrial Information Integration, 2021, 24, 100236.	6.4	27
10	A Survey of Dynamic Bandwidth Assignment Schemes for TDM-Based Passive Optical Network. Journal of Optical Communications, 2020, 41, 279-293.	4.7	11
11	Efficient upstream bandwidth utilization with minimum bandwidth waste for time and wavelength division passive optical network. Optical and Quantum Electronics, 2020, 52, 1.	3.3	5
12	Autonomic performance prediction framework for data warehouse queries using lazy learning approach. Applied Soft Computing Journal, 2020, 91, 106216.	7.2	15
13	Traffic-Adaptive Inter Wavelength Load Balancing for TWDM PON. IEEE Photonics Journal, 2020, 12, 1-8.	2.0	3
14	FFRP: Dynamic Firefly Mating Optimization Inspired Energy Efficient Routing Protocol for Internet of Underwater Wireless Sensor Networks. IEEE Access, 2020, 8, 39587-39604.	4.2	37
15	An Optimally Configured and Improved Deep Belief Network (OCI-DBN) Approach for Heart Disease Prediction Based on Ruzzoâ€“Tompa and Stacked Genetic Algorithm. IEEE Access, 2020, 8, 65947-65958.	4.2	46
16	Bioâ€inspired routing protocol for WSNâ€based smart grid applications in the context of Industry 4.0. Transactions on Emerging Telecommunications Technologies, 2019, 30, e3503.	3.9	30
17	Industrial wireless sensor and actuator networks in industry 4.0: Exploring requirements, protocols, and challengesâ€”A MAC survey. International Journal of Communication Systems, 2019, 32, e4074.	2.5	33
18	QoSRP: A Cross-layer QoS Channel-Aware Routing Protocol for the Internet of Underwater Acoustic Sensor Networks. Sensors, 2019, 19, 4762.	3.8	25

#	Article	IF	Citations
19	Software Defined Communication Framework for Smart Grid to Meet Energy Demands in Smart Cities. , 2019, , .		18
20	Ambient Energy Harvesting for Low Powered Wireless Sensor Network based Smart Grid Applications. , 2019, , .		9
21	Energy efficient multi-objective evolutionary routing scheme for reliable data gathering in Internet of underwater acoustic sensor networks. Ad Hoc Networks, 2019, 93, 101912.	5.5	30
22	Energy efficient and reliable data gathering using internet of software-defined mobile sinks for WSNs-based smart grid applications. Computer Standards and Interfaces, 2019, 66, 103341.	5.4	50
23	A Hybrid Adaptive Neuro-Fuzzy Inference System (ANFIS) Approach for Professional Bloggers Classification. , 2019, , .		3
24	A multi-channel distributed routing scheme for smart grid real-time critical event monitoring applications in the perspective of Industry 4.0. International Journal of Ad Hoc and Ubiquitous Computing, 2019, 32, 236.	0.5	27
25	A Multiobjective, Lion Mating Optimization Inspired Routing Protocol for Wireless Body Area Sensor Network Based Healthcare Applications. Sensors, 2019, 19, 5072.	3.8	11
26	Load Adaptive Dynamic Wavelength and Bandwidth Assignment for TWDM PON. , 2019, , .		2
27	Autonomic workload performance tuning in large-scale data repositories. Knowledge and Information Systems, 2019, 61, 27-63.	3.2	7
28	A multi-channel distributed routing scheme for smart grid real-time critical event monitoring applications in the perspective of Industry 4.0. International Journal of Ad Hoc and Ubiquitous Computing, 2019, 32, 236.	0.5	4
29	Key Factors Involved in Pipeline Monitoring Techniques Using Robots and WSNs: Comprehensive Survey. Journal of Pipeline Systems Engineering and Practice, 2018, 9, .	1.6	21
30	Performance prediction and adaptation for database management system workload using Case-Based Reasoning approach. Information Systems, 2018, 76, 46-58.	3.6	21
31	3D weighted centroid algorithm & RSSI ranging model strategy for node localization in WSN based on smart devices. Sustainable Cities and Society, 2018, 39, 298-308.	10.4	47
32	QERP: Quality-of-Service (QoS) Aware Evolutionary Routing Protocol for Underwater Wireless Sensor Networks. IEEE Systems Journal, 2018, 12, 2066-2073.	4.6	68
33	Energy efficient and QoS-aware routing protocol for wireless sensor network-based smart grid applications in the context of industry 4.0. Applied Soft Computing Journal, 2018, 68, 910-922.	7.2	114
34	MQRP: Mobile sinks-based QoS-aware data gathering protocol for wireless sensor networks-based smart grid applications in the context of industry 4.0-based on internet of things. Future Generation Computer Systems, 2018, 82, 358-374.	7.5	52
35	Disaster-Resilient Optical Network Survivability: A Comprehensive Survey. Photonics, 2018, 5, 35.	2.0	18
36	Green Communication for Wireless Body Area Networks: Energy Aware Link Efficient Routing Approach. Sensors, 2018, 18, 3237.	3.8	67

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37	Depth based routing protocol using smart clustered sensor nodes in underwater WSN. , 2018, , .		12
38	Sleep assistive dynamic bandwidth assignment scheme for passive optical network (PON). Photonic Network Communications, 2018, 36, 289-300.	2.7	8
39	Smart grid communication and information technologies in the perspective of Industry 4.0: Opportunities and challenges. Computer Science Review, 2018, 30, 1-30.	15.3	251
40	Processing efficient frame structure for passive optical network (PON). Optical Switching and Networking, 2018, 30, 85-92.	2.0	9
41	Spectrum-aware bio-inspired routing in cognitive radio sensor networks for smart grid applications. Computer Communications, 2017, 101, 106-120.	5.1	62
42	Capacity and spectrum-aware communication framework for wireless sensor network-based smart grid applications. Computer Standards and Interfaces, 2017, 53, 48-58.	5.4	30
43	LRP: Link qualityâ€aware queueâ€based spectral clustering routing protocol for underwater acoustic sensor networks. International Journal of Communication Systems, 2017, 30, e3257.	2.5	37
44	EDHRP: Energy efficient event driven hybrid routing protocol for densely deployed wireless sensor networks. Journal of Network and Computer Applications, 2015, 58, 309-326.	9.1	68
45	Traffic aware cyclic sleepâ€based power consumption model for a passive optical network. International Journal of Numerical Modelling: Electronic Networks, Devices and Fields, 0, , .	1.9	1