

Muhammad Bilal

List of Publications by Year in descending order

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78
papers

1,733
citations

304368

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docs citations

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times ranked

1152
citing authors

#	ARTICLE	IF	CITATIONS
1	Edge Server Deployment for Health Monitoring With Reinforcement Learning in Internet of Medical Things. IEEE Transactions on Computational Social Systems, 2024, , 1-11.	3.2	9
2	Leveraging Deep Learning for Designing Healthcare Analytics Heuristic for Diagnostics. Neural Processing Letters, 2023, 55, 53-79.	2.0	10
3	Intelligent Computation Offloading and Resource Allocation in IIoT With End-Edge-Cloud Computing Using NSGA-III. IEEE Transactions on Network Science and Engineering, 2023, 10, 3032-3046.	4.1	33
4	Distributed Incentives for Intelligent Offloading and Resource Allocation in Digital Twin Driven Smart Industry. IEEE Transactions on Industrial Informatics, 2023, 19, 3133-3143.	7.2	15
5	Dynamic Edge Computation Offloading for Internet of Vehicles With Deep Reinforcement Learning. IEEE Transactions on Intelligent Transportation Systems, 2023, 24, 12991-12999.	4.7	8
6	Mobility and Privacy-Aware Offloading of AR Applications for Healthcare Cyber-Physical Systems in Edge Computing. IEEE Transactions on Network Science and Engineering, 2023, 10, 2662-2673.	4.1	6
7	LAKE-6SH: Lightweight User Authenticated Key Exchange for 6LoWPAN-Based Smart Homes. IEEE Internet of Things Journal, 2022, 9, 2578-2591.	5.5	26
8	Service Migration Across Edge Devices in 6G-Enabled Internet of Vehicles Networks. IEEE Internet of Things Journal, 2022, 9, 1930-1937.	5.5	18
9	FM CPR: Flexible Multiparameter-Based Channel Prediction and Ranking for CR-Enabled Massive IoT. IEEE Internet of Things Journal, 2022, 9, 7151-7165.	5.5	6
10	Improving network efficiency in wireless body area networks using dual forwarder selection technique. Personal and Ubiquitous Computing, 2022, 26, 11-24.	1.9	11
11	A transfer learning-based efficient spatiotemporal human action recognition framework for long and overlapping action classes. Journal of Supercomputing, 2022, 78, 2873-2908.	2.4	19
12	DIMA: Distributed cooperative microservice caching for internet of things in edge computing by deep reinforcement learning. World Wide Web, 2022, 25, 1769-1792.	2.7	31
13	Fair power allocation in cooperative cognitive systems under NOMA transmission for future IoT networks. AEJ - Alexandria Engineering Journal, 2022, 61, 575-583.	3.4	19
14	MUD-Based Behavioral Profiling Security Framework for Software-Defined IoT Networks. IEEE Internet of Things Journal, 2022, 9, 6611-6622.	5.5	23
15	Service Offloading With Deep Q-Network for Digital Twinning-Empowered Internet of Vehicles in Edge Computing. IEEE Transactions on Industrial Informatics, 2022, 18, 1414-1423.	7.2	112
16	Demand-Driven Supply-Based Economic Model for Resource Provisioning in Industrial IoT Traffic. IEEE Internet of Things Journal, 2022, 9, 10529-10538.	5.5	9
17	Fresh Air-Driven Natural Microclimate Comfort Index: A New Tourism Climate Index Applied in Chinese Scenic Spots. Sustainability, 2022, 14, 1911.	1.6	3
18	VP-CAST: Velocity and Position-Based Broadcast Suppression for VANETs. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 18512-18525.	4.7	5

#	ARTICLE	IF	CITATIONS
19	Reliability Analysis of Cognitive Radio Networks With Reserved Spectrum for 6G-IoT. IEEE Transactions on Network and Service Management, 2022, 19, 2726-2737.	3.2	4
20	Reliability-Aware Computation Offloading for Delay-Sensitive Applications in MEC-Enabled Aerial Computing. IEEE Transactions on Green Communications and Networking, 2022, 6, 1511-1519.	3.5	5
21	LAKE-BSG: Lightweight authenticated key exchange scheme for blockchain-enabled smart grids. Sustainable Energy Technologies and Assessments, 2022, 52, 102248.	1.7	9
22	Understanding the Justice Fairness Effects on eWOM Communication in Social Media Environment. , 2022, , 1384-1400.		0
23	The Role of Motivational Factors for Determining Attitude Towards eWOM in Social Media Context. , 2022, , 283-303.		3
24	Privacy-Aware Point-of-Interest Category Recommendation in Internet of Things. IEEE Internet of Things Journal, 2022, 9, 21398-21408.	5.5	42
25	ST-InNet: Deep Spatio-Temporal Inception Networks for Traffic Flow Prediction in Smart Cities. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 19782-19794.	4.7	6
26	Survey on digital twins for Internet of Vehicles: Fundamentals, challenges, and opportunities. Digital Communications and Networks, 2022, , .	2.7	19
27	Design strategies, surface functionalization, and environmental remediation potentialities of polymer-functionalized nanocomposites. Chemosphere, 2022, 306, 135656.	4.2	9
28	Fabrication, characterization, morphological and thermal investigations of functionalized multi-walled carbon nanotubes reinforced epoxy nanocomposites. Progress in Organic Coatings, 2021, 150, 105962.	1.9	21
29	Impact of ICT on entrepreneurial self-efficacy in emerging economy: Sustaining lock-down during COVID-19 pandemic. Human Systems Management, 2021, 40, 299-314.	0.5	14
30	INSWF DNA signal analysis tool: Intelligent noise suppression window filter. Software - Practice and Experience, 2021, 51, 670-685.	2.5	0
31	Lightpath QoT computation in optical networks assisted by transfer learning. Journal of Optical Communications and Networking, 2021, 13, B72.	3.3	21
32	Palliation of Four-Wave Mixing in Optical Fibers Using Improved DSP Receiver. Electronics (Switzerland), 2021, 10, 611.	1.8	0
33	Understanding the Effects of eWOM Antecedents on Online Purchase Intention in China. Information (Switzerland), 2021, 12, 192.	1.7	22
34	Computational Offloading in Mobile Edge with Comprehensive and Energy Efficient Cost Function: A Deep Learning Approach. Sensors, 2021, 21, 3523.	2.1	13
35	Smart home security: challenges, issues and solutions at different IoT layers. Journal of Supercomputing, 2021, 77, 14053-14089.	2.4	79
36	Novel sulfonated polyimide-nafion nanocomposite membranes: Fabrication, morphology and physiochemical investigations for fuel cell applications. Journal of Molecular Structure, 2021, 1231, 129940.	1.8	7

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37	Mobility Aware Blockchain Enabled Offloading and Scheduling in Vehicular Fog Cloud Computing. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 4212-4223.	4.7	72
38	How social presence influences impulse buying behavior in live streaming commerce? The role of S-O-R theory. International Journal of Web Information Systems, 2021, 17, 300-320.	1.3	116
39	Secure crowd-sensing protocol for fog-based vehicular cloud. Future Generation Computer Systems, 2021, 120, 61-75.	4.9	33
40	Probabilistic Deep Q Network for real-time path planning in censorious robotic procedures using force sensors. Journal of Real-Time Image Processing, 2021, 18, 1773-1785.	2.2	57
41	A secure blockchain-oriented data delivery and collection scheme for 5G-enabled IoD environment. Computer Networks, 2021, 195, 108219.	3.2	20
42	Fabrication and characterization of functionally graded vermiculite nanocomposite material: the role of curing on glass transition and thermal stability. Journal of Materials Science: Materials in Electronics, 2021, 32, 21848-21857.	1.1	1
43	Joint Spectrum and Energy Optimization of NOMA-Enabled Small-Cell Networks With QoS Guarantee. IEEE Transactions on Vehicular Technology, 2021, 70, 8337-8342.	3.9	30
44	Energy Efficient Proactive Routing Scheme for Enabling Reliable Communication in Underwater Internet of Things. IEEE Transactions on Network Science and Engineering, 2021, 8, 2934-2945.	4.1	9
45	A Comprehensive Utility Function for Resource Allocation in Mobile Edge Computing. Computers, Materials and Continua, 2021, 66, 1461-1477.	1.5	7
46	Secure Distribution of Protected Content in Information-Centric Networking. IEEE Systems Journal, 2020, 14, 1921-1932.	2.9	24
47	QoT Estimation for Light-path Provisioning in Un-Seen Optical Networks using Machine Learning. , 2020, , .		9
48	TiO ₂ Nanoparticles and Epoxy-TiO ₂ Nanocomposites: A Review of Synthesis, Modification Strategies, and Photocatalytic Potentialities. Journal of Inorganic and Organometallic Polymers and Materials, 2020, 30, 4829-4846.	1.9	28
49	Photo-oxidative degradation of organo-functionalized vermiculite clay-reinforced polyimide composites. Applied Nanoscience (Switzerland), 2020, 10, 3725-3733.	1.6	8
50	Test Suit Generation for Object Oriented Programs: A Hybrid Firefly and Differential Evolution Approach. IEEE Access, 2020, 8, 179167-179188.	2.6	8
51	Duplicate Bug Report Detection and Classification System Based on Deep Learning Technique. IEEE Access, 2020, 8, 200749-200763.	2.6	30
52	Understanding the Effects of Internet Usage Behavior on eWOM. International Journal of Information Systems in the Service Sector, 2020, 12, 93-113.	0.2	14
53	Advanced Formulation of QoT-Estimation for Un-established Lightpaths Using Cross-train Machine Learning Methods. , 2020, , .		8
54	Amateur Drones Detection: A machine learning approach utilizing the acoustic signals in the presence of strong interference. Computer Communications, 2020, 154, 236-245.	3.1	29

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55	Performance Prediction and Interpretation of a Refuse Plastic Fuel Fired Boiler. IEEE Access, 2020, 8, 117467-117482.	2.6	16
56	Classification of Arrhythmia by Using Deep Learning with 2-D ECG Spectral Image Representation. Remote Sensing, 2020, 12, 1685.	1.8	142
57	Epoxy Polyamide Composites Reinforced with Silica Nanorods: Fabrication, Thermal and Morphological Investigations. Journal of Inorganic and Organometallic Polymers and Materials, 2020, 30, 3869-3877.	1.9	20
58	Blended Multi-Modal Deep ConvNet Features for Diabetic Retinopathy Severity Prediction. Electronics (Switzerland), 2020, 9, 914.	1.8	95
59	Development and Characterization of Functionalized Titanium Dioxide-Reinforced Sulfonated Copolyimide (SPI/TiO ₂) Nanocomposite Membranes with Improved Mechanical, Thermal, and Electrochemical Properties. Journal of Inorganic and Organometallic Polymers and Materials, 2020, 30, 4585-4596.	1.9	15
60	RDSP: Rapidly Deployable Wireless Ad Hoc System for Post-Disaster Management. Sensors, 2020, 20, 548.	2.1	10
61	Assessment of cross-train machine learning techniques for QoT-estimation in agnostic optical networks. OSA Continuum, 2020, 3, 2690.	1.8	16
62	The Role of Motivational Factors for Determining Attitude Towards eWOM in Social Media Context. International Journal of Enterprise Information Systems, 2020, 16, 73-91.	0.6	15
63	How Consumer Brand Engagement Effect on Purchase Intention? The Role of Social Media Elements. , 2020, 2, 44-55.		4
64	Software-Defined Network-Based Vehicular Networks: A Position Paper on Their Modeling and Implementation. Sensors, 2019, 19, 3788.	2.1	28
65	Structural characteristics and electrochemical properties of sulfonated polyimide clay-based composite fabricated by a solution casting method. Journal of Materials Science: Materials in Electronics, 2019, 30, 19164-19172.	1.1	13
66	Revolution of ICT: Women entrepreneurs in Pakistan. Human Systems Management, 2019, 38, 357-364.	0.5	9
67	Understanding the Justice Fairness Effects on eWOM Communication in Social Media Environment. International Journal of Enterprise Information Systems, 2019, 15, 69-84.	0.6	13
68	Impact of Participative Leadership on Organizational Citizenship Behavior: Mediating Role of Trust and Moderating Role of Continuance Commitment: Evidence from the Pakistan Hotel Industry. Sustainability, 2019, 11, 1170.	1.6	28
69	Socially-aware congestion control in ad-hoc networks: Current status and the way forward. Future Generation Computer Systems, 2019, 97, 634-660.	4.9	15
70	Network-Coding Approach for Information-Centric Networking. IEEE Systems Journal, 2019, 13, 1376-1385.	2.9	13
71	Effective Caching for the Secure Content Distribution in Information-Centric Networking. , 2018, , .		4
72	A Cache Management Scheme for Efficient Content Eviction and Replication in Cache Networks. IEEE Access, 2017, 5, 1692-1701.	2.6	52

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73	A secure key agreement protocol for dynamic group. Cluster Computing, 2017, 20, 2779-2792.	3.5	26
74	Time-Assisted authentication protocol. International Journal of Communication Systems, 2017, 30, e3309.	1.6	6
75	An Authentication Protocol for Future Sensor Networks. Sensors, 2017, 17, 979.	2.1	44
76	Time-Slotted Scheduling Schemes for Multi-hop Concurrent Transmission in WPANs with Directional Antenna. ETRI Journal, 2014, 36, 374-384.	1.2	8
77	Renewable prediction-driven service offloading for IoT-enabled energy systems with edge computing. Wireless Networks, 0, , 1.	2.0	0
78	Love Is Blind! Exploring the Impact of Brand Love on eWOM in Chinese Hospitality Industry. Frontiers in Psychology, 0, 13, .	1.1	1