Nauman Aslam

List of Publications by Year
in descending order

88 papers	**2,440** citations	201674 **27** h-index	233421 **45** g-index
90 all docs	**90** docs citations	**90** times ranked	**2551** citing authors

#	Article	IF	Citations
1	Private and Utility Enhanced Recommendations With Local Differential Privacy and Gaussian Mixture Model. IEEE Transactions on Knowledge and Data Engineering, 2023, 35, 4151-4163.	5.7	6
2	Mitigating Malicious Adversaries Evasion Attacks in Industrial Internet of Things. IEEE Transactions on Industrial Informatics, 2023, 19, 960-968.	11.3	5
3	Optimizing Power Allocation in LoRaWAN IoT Applications. IEEE Internet of Things Journal, 2022, 9, 3429-3442.	8.7	23
4	Deep Reinforcement Learning Based Dynamic Trajectory Control for UAV-Assisted Mobile Edge Computing. IEEE Transactions on Mobile Computing, 2022, 21, 3536-3550.	5.8	76
5	Reinforcement learning based effective communication strategies for energy harvested WBAN. Ad Hoc Networks, 2022, 132, 102880.	5.5	11
6	An Investigation on Fragility of Machine Learning Classifiers in Android Malware Detection. , 2022, , .		4
7	A Local Differential Privacy based Hybrid Recommendation Model with BERT and Matrix Factorization. , 2022, , .		0
8	Multi-Agent Deep Reinforcement Learning-Based Trajectory Planning for Multi-UAV Assisted Mobile Edge Computing. IEEE Transactions on Cognitive Communications and Networking, 2021, 7, 73-84.	7.9	196
9	From smart parking towards autonomous valet parking: A survey, challenges and future Works. Journal of Network and Computer Applications, 2021, 175, 102935.	9.1	53
10	Security Hardening of Botnet Detectors Using Generative Adversarial Networks. IEEE Access, 2021, 9, 78276-78292.	4.2	14
11	Void Avoidance Opportunistic Routing Protocol for Underwater Wireless Sensor Networks. Sensors, 2021, 21, 1942.	3.8	19
12	Facial reshaping operator for controllable face beautification. Expert Systems With Applications, 2021, 167, 114067.	7.6	4
13	Designing GA based effective transmission strategies for intra-WBAN communication. Biomedical Signal Processing and Control, 2021, 70, 102944.	5.7	8
14	Filtering techniques for channel selection in motor imagery EEG applications: a survey. Artificial Intelligence Review, 2020, 53, 1207-1232.	15.7	98
15	An efficient reinforcement learning-based Botnet detection approach. Journal of Network and Computer Applications, 2020, 150, 102479.	9.1	83
16	Unifying Person and Vehicle Re-Identification. IEEE Access, 2020, 8, 115673-115684.	4.2	5
17	An Energy Efficient Strategy for Assignment of Electric Vehicles to Charging Stations in Urban Environments. , 2020, , .		12
18	Sparse metric-based mesh saliency. Neurocomputing, 2020, 400, 11-23.	5.9	8

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19	A Unified Deep Metric Representation for Mesh Saliency Detection and Non-Rigid Shape Matching. IEEE Transactions on Multimedia, 2020, 22, 2278-2292.	7.2	5
20	Establishing effective communications in disaster affected areas and artificial intelligence based detection using social media platform. Future Generation Computer Systems, 2020, 112, 1057-1069.	7.5	27
21	Security and Privacy Issues in Wireless Sensor and Body Area Networks. , 2020, , 173-200.		9
22	Finding optimal transmission strategy for intraâ€WBAN communications. Electronics Letters, 2020, 56, 1283-1286.	1.0	3
23	Physical layer security for IEEE 802.15.7 visible light communication: chaosâ€based approach. IET Communications, 2020, 14, 3047-3057.	2.2	2
24	A Reinforcement Learning based Path Guidance Scheme for Long-range Autonomous Valet Parking in Smart Cities. , 2020, , .		2
25	Optimal Placement and Capacity of Electric Vehicle Charging Stations in Urban Areas: Survey and Open Challenges. , 2019, , .		21
26	Non-Cooperative Power Control Game in D2D Underlying Networks with Variant System Conditions. Electronics (Switzerland), 2019, 8, 1113.	3.1	6
27	AVPark: Reservation and Cost Optimization-Based Cyber-Physical System for Long-Range Autonomous Valet Parking (L-AVP). IEEE Access, 2019, 7, 114141-114153.	4.2	14
28	RL-Based User Association and Resource Allocation for Multi-UAV enabled MEC. , 2019, , .		32
29	Diagnosis and monitoring of Alzheimer's patients using classical and deep learning techniques. Expert Systems With Applications, 2019, 136, 353-364.	7.6	57
30	Local Differentially Private Matrix Factorization For Recommendations. , 2019, , .		4
31	A novel MAC proposal for critical and emergency communications in Industrial Wireless Sensor Networks. Computers and Electrical Engineering, 2018, 72, 976-989.	4.8	18
32	Fuzzy-Based Channel Selection for Location Oriented Services in Multichannel VCPS Environments. IEEE Internet of Things Journal, 2018, 5, 4642-4651.	8.7	32
33	Detection of online phishing email using dynamic evolving neural network based on reinforcement learning. Decision Support Systems, 2018, 107, 88-102.	5.9	115
34	Swarm Intelligence Optimization Techniques for Obstacle-Avoidance Mobility-Assisted Localization in Wireless Sensor Networks. IEEE Access, 2018, 6, 22368-22385.	4.2	43
35	A P2P Botnet detection scheme based on decision tree and adaptive multilayer neural networks. Neural Computing and Applications, 2018, 29, 991-1004.	5.6	74
36	New path planning model for mobile anchor-assisted localization in wireless sensor networks. Wireless Networks, 2018, 24, 2589-2607.	3.0	47

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37	CCESK: A Chinese Character Educational System Based on Kinect. IEEE Transactions on Learning Technologies, 2018, 11, 342-347.	3.2	3
38	Towards video streaming in IoT Environments: Vehicular communication perspective. Computer Communications, 2018, 118, 93-119.	5.1	76
39	Novel Algorithms for Reliability Evaluation of Remotely Deployed Wireless Sensor Networks. Wireless Personal Communications, 2018, 98, 1331-1360.	2.7	11
40	A Critical Analysis of Research Potential, Challenges, and Future Directives in Industrial Wireless Sensor Networks. IEEE Communications Surveys and Tutorials, 2018, 20, 39-95.	39.4	181
41	Towards green computing in wireless sensor networks: Controlled mobility–aided balanced tree approach. International Journal of Communication Systems, 2018, 31, e3463.	2.5	40
42	Adaptive Scaling Active Constellation Extension Scheme with Fast Convergence for PAPR Reduction in OFDM/OQAM Signals. , 2018, , .		2
43	Optimized Pricing & Scheduling Model for Long Range Autonomous Valet Parking. , 2018, , .		8
44	Automatic Musculoskeletal and Neurological Disorder Diagnosis With Relative Joint Displacement From Human Gait. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2018, 26, 2387-2396.	4.9	13
45	Dynamic Priority Based Reliable Real-Time Communications for Infrastructure-Less Networks. IEEE Access, 2018, 6, 67338-67359.	4.2	6
46	Designing Transmission Strategies for Enhancing Communications in Medical IoT Using Markov Decision Process. Sensors, 2018, 18, 4450.	3.8	24
47	Throughput and Range Performance Investigation for IEEE 802.11a, 802.11n and 802.11ac Technologies in an On-Campus Heterogeneous Network Environment. , 2018, , .		3
48	BER Performance Investigation of MIMO Underwater Acoustic Communications. , 2018, , .		4
49	Toward Distributed Battery Switch Based Electro-Mobility Using Publish/Subscribe System. IEEE Transactions on Vehicular Technology, 2018, 67, 10204-10217.	6.3	21
50	A Trajectory-Driven Opportunistic Routing Protocol for VCPS. IEEE Transactions on Aerospace and Electronic Systems, 2018, 54, 2628-2642.	4.7	38
51	Interference-Aware Multipath Video Streaming in Vehicular Environments. IEEE Access, 2018, 6, 47610-47626.	4.2	13
52	An Ensemble of Condition Based Classifiers for Device Independent Detailed Human Activity Recognition Using Smartphones â€. Information (Switzerland), 2018, 9, 94.	2.9	30
53	Towards autonomy: Cost-effective scheduling for long-range autonomous valet parking (LAVP). , 2018, , .		12
54	Energy Efficient Communication in Ambient Assisted Living. , 2017, , 37-59.		0

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55	A Cost-Efficient Communication Framework for Battery-Switch-Based Electric Vehicle Charging. , 2017, 55, 162-169.		59
56	Toward Efficient, Scalable, and Coordinated On-the-Move EV Charging Management. IEEE Wireless Communications, 2017, 24, 66-73.	9.0	43
57	Three-dimensional path planning model for mobile anchor-assisted localization in Wireless Sensor Networks. , 2017, , .		9
58	A lightweight QRS detector for single lead ECG signals using a max-min difference algorithm. Computer Methods and Programs in Biomedicine, 2017, 144, 61-75.	4.7	69
59	Two Phased Routing Protocol Incorporating Distributed Genetic Algorithm and Gradient Based Heuristic in Clustered WSN. Wireless Personal Communications, 2017, 97, 5401-5425.	2.7	5
60	Differential evolution algorithm as a tool for optimal feature subset selection in motor imagery EEG. Expert Systems With Applications, 2017, 90, 184-195.	7.6	119
61	Applying DTN routing for reservation-driven EV Charging management in smart cities. , 2017, , .		7
62	Dynamic Fuzzy-Logic Based Path Planning for Mobility-Assisted Localization in Wireless Sensor Networks. Sensors, 2017, 17, 1904.	3.8	42
63	Cross-Layer Energy Optimization for IoT Environments: Technical Advances and Opportunities. Energies, 2017, 10, 2073.	3.1	37
64	A control channel based MAC protocol for time critical and emergency communications in Industrial Wireless Sensor Networks. , 2017, , .		8
65	MSAR: A metric self-adaptive routing model for Mobile Ad Hoc Networks. Journal of Network and Computer Applications, 2016, 68, 114-125.	9.1	6
66	Posture detection using WBAN and its application in remote healthcare monitoring. , 2016, , .		2
67	Improved abnormality detection from raw ECG signals using feature enhancement. , 2016, , .		10
68	An Intelligent Decision Support System for Leukaemia Diagnosis using Microscopic Blood Images. Scientific Reports, 2015, 5, 14938.	3.3	62
69	Selfâ€adaptive proactive routing scheme for mobile adâ€hoc networks. IET Networks, 2015, 4, 128-136.	1.8	8
70	Intelligent facial emotion recognition using a layered encoding cascade optimization model. Applied Soft Computing Journal, 2015, 34, 72-93.	7.2	52
71	A longitudinal approach to measuring the impact of mobility on low-latency anonymity networks. , 2015, , .		4
72	Detection of phishing emails using data mining algorithms. , 2015, , .		28

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73	Physical layer network coding with two-way relay free space optical communication link. , 2015, , .		5
74	Development of an Ultrasonic Airflow Measurement Device for Ducted Air. Sensors, 2015, 15, 10705-10722.	3.8	37
75	A new Mobility, Energy and Congestion Aware Routing scheme for MANETs. , 2014, , .		4
76	A new patient monitoring framework and Energy-aware Peering Routing Protocol (EPR) for Body Area Network communication. Journal of Ambient Intelligence and Humanized Computing, 2014, 5, 409-423.	4.9	45
77	A novel encounter-based metric for mobile ad-hoc networks routing. Ad Hoc Networks, 2014, 14, 2-14.	5.5	42
78	SN-SEC: a secure wireless sensor platform with hardware cryptographic primitives. Personal and Ubiquitous Computing, 2013, 17, 1051-1059.	2.8	9
79	A dual-mode energy efficient encryption protocol for wireless sensor networks. Ad Hoc Networks, 2013, 11, 2588-2604.	5.5	3
80	Bayesian model for mobility prediction to support routing in Mobile Ad-Hoc Networks. , 2013, , .		4
81	Cocasting and power control for energy efficient information dissemination in WSNs. , 2013, , .		2
82	A Novel Learning-Based Spectrum Sensing Technique for Cognitive Radio Networks. , 2013, , .		4
83	The novel use of Bridge Relays to provide persistent Tor connections for mobile devices. , 2013, , .		3
84	Energy efficient broadcasting in WSNs with cocasting and power control. , 2012, , .		2
85	Investigation of the impact of hop-count and node density on MANET's performance. , 2012, , .		0
86	An Energy Efficient Fuzzy Logic Cluster Formation Protocol in Wireless Sensor Networks. Procedia Computer Science, 2012, 10, 255-262.	2.0	75
87	Data collection using rendezvous points and mobile actor in wireless sensor networks. , 2012, , .		3
88	C-Sec: Energy efficient link layer encryption protocol for Wireless Sensor Networks. , 2012, , .		7