Nasir Saeed

List of Publications by Year in descending order

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67 papers	2,409 citations	257357 24 h-index	214721 47 g-index
72 all docs	72 docs citations	72 times ranked	1887 citing authors

#	Article	IF	Citations
1	Underwater optical wireless communications, networking, and localization: A survey. Ad Hoc Networks, 2019, 94, 101935.	3.4	285
2	Next Generation Terahertz Communications: A Rendezvous of Sensing, Imaging, and Localization. IEEE Communications Magazine, 2020, 58, 69-75.	4.9	218
3	CubeSat Communications: Recent Advances and Future Challenges. IEEE Communications Surveys and Tutorials, 2020, 22, 1839-1862.	24.8	163
4	A Survey on Multidimensional Scaling. ACM Computing Surveys, 2019, 51, 1-25.	16.1	116
5	Intelligent Surfaces for 6G Wireless Networks: A Survey of Optimization and Performance Analysis Techniques. IEEE Access, 2020, 8, 202795-202818.	2.6	116
6	A State-of-the-Art Survey on Multidimensional Scaling-Based Localization Techniques. IEEE Communications Surveys and Tutorials, 2019, 21, 3565-3583.	24.8	103
7	Deep Learning in the Industrial Internet of Things: Potentials, Challenges, and Emerging Applications. IEEE Internet of Things Journal, 2021, 8, 11016-11040.	5.5	102
8	Toward the Internet of Underground Things: A Systematic Survey. IEEE Communications Surveys and Tutorials, 2019, 21, 3443-3466.	24.8	78
9	Energy Harvesting Hybrid Acoustic-Optical Underwater Wireless Sensor Networks Localization. Sensors, 2018, 18, 51.	2.1	66
10	Optical camera communications: Survey, use cases, challenges, and future trends. Physical Communication, 2019, 37, 100900.	1.2	66
11	Localization of Energy Harvesting Empowered Underwater Optical Wireless Sensor Networks. IEEE Transactions on Wireless Communications, 2019, 18, 2652-2663.	6.1	59
12	Outlier Detection and Optimal Anchor Placement for 3-D Underwater Optical Wireless Sensor Network Localization. IEEE Transactions on Communications, 2019, 67, 611-622.	4.9	52
13	Towards 6G Internet of Things: Recent advances, use cases, and open challenges. ICT Express, 2023, 9, 296-312.	3.3	51
14	Point-to-Point Communication in Integrated Satellite-Aerial 6G Networks: State-of-the-Art and Future Challenges. IEEE Open Journal of the Communications Society, 2021, 2, 1505-1525.	4.4	50
15	Performance Analysis of Connectivity and Localization in Multi-Hop Underwater Optical Wireless Sensor Networks. IEEE Transactions on Mobile Computing, 2019, 18, 2604-2615.	3.9	49
16	Fuzzy C-Means Clustering and Energy Efficient Cluster Head Selection for Cooperative Sensor Network. Sensors, 2016, 16, 1459.	2.1	47
17	End-to-End Performance Analysis of Underwater Optical Wireless Relaying and Routing Techniques Under Location Uncertainty. IEEE Transactions on Wireless Communications, 2020, 19, 1167-1181.	6.1	44
18	Toward the Internet of Underwater Things: Recent Developments and Future Challenges. IEEE Consumer Electronics Magazine, 2021, 10, 32-37.	2.3	41

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19	Modeling and performance analysis of multihop underwater optical wireless sensor networks. , 2018, , .		39
20	Robust Multidimensional Scaling for Cognitive Radio Network Localization. IEEE Transactions on Vehicular Technology, 2015, 64, 4056-4062.	3.9	38
21	When Wireless Communication Responds to COVID-19: Combating the Pandemic and Saving the Economy. Frontiers in Communications and Networks, 2020, 1, .	1.9	38
22	Cluster Based Multidimensional Scaling for Irregular Cognitive Radio Networks Localization. IEEE Transactions on Signal Processing, 2016, 64, 2649-2659.	3.2	37
23	A Software-Defined Opto-Acoustic Network Architecture for Internet of Underwater Things. IEEE Communications Magazine, 2020, 58, 88-94.	4.9	33
24	Location Awareness in 5G Networks Using RSS Measurements for Public Safety Applications. IEEE Access, 2017, 5, 21753-21762.	2.6	28
25	Underwater Optical Sensor Networks Localization with Limited Connectivity. , 2018, , .		28
26	A Joint TDOA-PDOA Localization Approach Using Particle Swarm Optimization. IEEE Wireless Communications Letters, 2020, 9, 1240-1244.	3.2	28
27	Customized 5G and Beyond Private Networks with Integrated URLLC, eMBB, mMTC, and Positioning for Industrial Verticals. IEEE Communications Standards Magazine, 2022, 6, 52-57.	3.6	22
28	Accurate 3-D Localization of Selected Smart Objects in Optical Internet of Underwater Things. IEEE Internet of Things Journal, 2020, 7, 937-947.	5.5	21
29	Effect of Link Misalignment in the Optical-Internet of Underwater Things. Electronics (Switzerland), 2020, 9, 646.	1.8	18
30	Deep Reinforcement Learning for Integrated Non-Linear Control of Autonomous UAVs. Processes, 2022, 10, 1307.	1.3	18
31	Energy Efficient Localization Algorithm With Improved Accuracy in Cognitive Radio Networks. IEEE Communications Letters, 2017, 21, 2017-2020.	2.5	17
32	Accurate 3D Localization Method for Public Safety Applications in Vehicular Ad-Hoc Networks. IEEE Access, 2018, 6, 20756-20763.	2.6	17
33	An improved mechanism for flow rule installation in-band SDN. Journal of Systems Architecture, 2019, 96, 1-19.	2.5	17
34	Determinants and clinical significance of aortic stiffness in patients with moderate or severe aortic stenosis. International Journal of Cardiology, 2020, 315, 99-104.	0.8	16
35	Opportunistic Routing for Opto-Acoustic Internet of Underwater Things. IEEE Internet of Things Journal, 2022, 9, 2165-2179.	5.5	16
36	Optimal Relay Placement in Magnetic Induction-Based Internet of Underwater Things. IEEE Sensors Journal, 2021, 21, 821-828.	2.4	14

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37	Data Driven Model Estimation for Aerial Vehicles: A Perspective Analysis. Processes, 2022, 10, 1236.	1.3	14
38	Analysis of 3D localization in underwater optical wireless networks with uncertain anchor positions. Science China Information Sciences, 2020, 63, 1.	2.7	13
39	Connectivity Analysis of Underwater Optical Wireless Sensor Networks: A Graph Theoretic Approach. , 2018, , .		12
40	SectOR: Sector-Based Opportunistic Routing Protocol for Underwater Optical Wireless Networks. , 2019, , .		12
41	An Absorption Mitigation Technique for Received Signal Strength-Based Target Localization in Underwater Wireless Sensor Networks. Sensors, 2020, 20, 4698.	2.1	12
42	Body-Centric Terahertz Networks: Prospects and Challenges. IEEE Transactions on Molecular, Biological, and Multi-Scale Communications, 2022, 8, 138-157.	1.4	12
43	Towards Ultra-Reliable Low-Latency Underwater Optical Wireless Communications. , 2019, , .		11
44	An Accelerated Error Convergence Design Criterion and Implementation of Lebesgue-p Norm ILC Control Topology for Linear Position Control Systems. Mathematical Problems in Engineering, 2021, 2021, 1-12.	0.6	11
45	Bayesian Multidimensional Scaling for Location Awareness in Hybrid-Internet of Underwater Things. IEEE/CAA Journal of Automatica Sinica, 2022, 9, 496-509.	8.5	11
46	Localization of vehicular ad-hoc networks with RSS based distance estimation. , 2018, , .		10
47	Efficient error detection in soft data fusion for cooperative spectrum sensing. AEU - International Journal of Electronics and Communications, 2018, 88, 141-147.	1.7	10
48	Robust 3D Localization of Underwater Optical Wireless Sensor Networks via Low Rank Matrix Completion. , 2018, , .		10
49	3D Localization for Internet of Underground Things in Oil and Gas Reservoirs. IEEE Access, 2019, 7, 121769-121780.	2.6	10
50	Primary User Localization and Its Error Analysis in 5G Cognitive Radio Networks. Sensors, 2019, 19, 2035.	2.1	10
51	Around the World of IoT/Climate Monitoring Using Internet of X-Things. IEEE Internet of Things Magazine, 2020, 3, 82-83.	2.0	10
52	Wireless Communication for Flying Cars. Frontiers in Communications and Networks, 2021, 2, .	1.9	10
53	MDS-LM for Wireless Sensor Networks Localization. , 2014, , .		9
54	Detection and Spatial Correlation Analysis of Infectious Diseases Using Wireless Body Area Network Under Imperfect Wireless Channel. Big Data, 2022, 10, 54-64.	2.1	9

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55	Network Optimization for Industrial Internet of Things (IIoT). , 2020, 4, 1-4.		8
56	Diversity Schemes in Multi-hop Visible Light Communications for 6G Networks. Procedia Computer Science, 2021, 182, 140-149.	1.2	8
57	UAVs-assisted passive source localization using robust TDOA ranging for search and rescue. ICT Express, 2023, 9, 677-682.	3.3	8
58	Robust localisation algorithm for large scale 3D wireless sensor networks. International Journal of Ad Hoc and Ubiquitous Computing, 2016, 23, 82.	0.3	7
59	Primary user localisation and uplink resource allocation in orthogonal frequency division multiple access cognitive radio systems. IET Communications, 2015, 9, 1131-1137.	1.5	4
60	Multiple Object Localization in Underwater Wireless Communication Systems using the Theory of Gravitation. , 2018, , .		4
61	Interference Aware Cooperative Routing for Edge Computing-Enabled 5G Networks. IEEE Sensors Journal, 2022, 22, 3777-3784.	2.4	4
62	Delay Analysis of an Improved Wimax Macro-Femto Handover Technique and Cell Selection Algorithm. Wireless Personal Communications, 2015, 85, 2157-2168.	1.8	2
63	Low-complexity SIC-MMSE for joint multiple-input multiple-output detection. Journal of Communications Technology and Electronics, 2017, 62, 1248-1254.	0.2	2
64	Jointly locating the primary and secondary users in cognitive radio networks. , 2017, , .		1
65	An Efficient Multistage Approach for Blind Source Separation of Noisy Convolutive Speech Mixture. Applied Sciences (Switzerland), 2021, 11, 5968.	1.3	1
66	Polarization Re-Configurable Antenna with Increase Gain for Small Satellites. Journal of Electrical Engineering and Technology, 0, , 1.	1.2	0
67	Distributed Destination Search Routing for 5G and beyond Networks. Sensors, 2022, 22, 472.	2.1	0