

Imran Shafique Ansari

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

109 papers	2,914 citations	27 h-index	51 g-index
123 ext. papers	3,533 ext. citations	4.1 avg, IF	5.85 L-index

#	Paper	IF	Citations
109	A New Formula for the BER of Binary Modulations with Dual-Branch Selection over Generalized-K Composite Fading Channels. <i>IEEE Transactions on Communications</i> , 2011 , 59, 2654-2658	6.9	269
108	Performance Analysis of Free-Space Optical Links Over M _l ga (\mathcal{M}) Turbulence Channels With Pointing Errors. <i>IEEE Transactions on Wireless Communications</i> , 2016 , 15, 91-102	9.6	217
107	Impact of Pointing Errors on the Performance of Mixed RF/FSO Dual-Hop Transmission Systems. <i>IEEE Wireless Communications Letters</i> , 2013 , 2, 351-354	5.9	202
106	Performance Analysis of Mixed Nakagami- m and Gamma-Gamma Dual-Hop FSO Transmission Systems. <i>IEEE Photonics Journal</i> , 2015 , 7, 1-20	1.8	164
105	Secrecy Capacity Analysis Over α - μ Fading Channels. <i>IEEE Communications Letters</i> , 2017 , 21, 1445-1448	3.8	110
104	On Secure NOMA Systems With Transmit Antenna Selection Schemes. <i>IEEE Access</i> , 2017 , 5, 17450-17464	3.5	105
103	. <i>IEEE Transactions on Vehicular Technology</i> , 2017 , 66, 2237-2250	6.8	93
102	On Secure Underlay MIMO Cognitive Radio Networks With Energy Harvesting and Transmit Antenna Selection. <i>IEEE Transactions on Green Communications and Networking</i> , 2017 , 1, 192-203	4	88
101	Performance Analysis of Physical Layer Security Over Generalized- K Fading Channels Using a Mixture Gamma Distribution. <i>IEEE Communications Letters</i> , 2016 , 20, 408-411	3.8	82
100	. <i>IEEE Journal on Selected Areas in Communications</i> , 2015 , 33, 1829-1840	14.2	79
99	Secrecy Outage Analysis for Cooperative NOMA Systems With Relay Selection Schemes. <i>IEEE Transactions on Communications</i> , 2019 , 67, 6282-6298	6.9	71
98	On Secrecy Performance of Mixed RF-FSO Systems. <i>IEEE Photonics Journal</i> , 2017 , 9, 1-14	1.8	71
97	Ergodic Capacity Analysis of Free-Space Optical Links With Nonzero Boresight Pointing Errors. <i>IEEE Transactions on Wireless Communications</i> , 2015 , 14, 4248-4264	9.6	67
96	On Physical-Layer Security Over SIMO Generalized- K Fading Channels. <i>IEEE Transactions on Vehicular Technology</i> , 2016 , 65, 7780-7785	6.8	61
95	On Secrecy Outage of Relay Selection in Underlay Cognitive Radio Networks Over Nakagami- m Fading Channels. <i>IEEE Transactions on Cognitive Communications and Networking</i> , 2017 , 3, 614-627	6.6	53
94	Secrecy Outage Performance for SIMO Underlay Cognitive Radio Systems With Generalized Selection Combining Over Nakagami- m Channels. <i>IEEE Transactions on Vehicular Technology</i> , 2016 , 65, 10126-10132	6.8	52
93	. <i>IEEE Photonics Journal</i> , 2018 , 10, 1-17	1.8	48

92	Mixed Dual-Hop FSO-RF Communication Systems Through Reconfigurable Intelligent Surface. <i>IEEE Communications Letters</i> , 2020 , 24, 1558-1562	3.8	43
91	On the performance of hybrid RF and RF/FSO fixed gain dual-hop transmission systems 2013 ,		41
90	On the Performance of Mixed RF/FSO Variable Gain Dual-Hop Transmission Systems with Pointing Errors 2013 ,		40
89	On Secure Mixed RF-FSO Systems With TAS and Imperfect CSI. <i>IEEE Transactions on Communications</i> , 2020 , 68, 4461-4475	6.9	37
88	Performance Analysis of FSO Links over Unified Gamma-Gamma Turbulence Channels 2015 ,		36
87	Physical Layer Security for TAS/MRC Systems With and Without Co-Channel Interference Over η - μ Fading Channels. <i>IEEE Transactions on Vehicular Technology</i> , 2018 , 67, 12421-12426	6.8	32
86	Unified Performance Analysis for Multiuser Mixed η - μ and M -Distribution Dual-Hop RF/FSO Systems. <i>IEEE Transactions on Communications</i> , 2017 , 1-1	6.9	31
85	Performance Analysis of Single-Photon Avalanche Diode Underwater VLC System Using ARQ. <i>IEEE Photonics Journal</i> , 2017 , 9, 1-11	1.8	28
84	On the sum of gamma random variates with application to the performance of maximal ratio combining over Nakagami-m fading channels 2012 ,		28
83	Tractable Optical Channel Modeling Between UAVs. <i>IEEE Transactions on Vehicular Technology</i> , 2019 , 68, 11543-11550	6.8	27
82	Performance Evaluation of Relay-Aided CR-NOMA for Beyond 5G Communications. <i>IEEE Access</i> , 2020 , 8, 134838-134855	3.5	27
81	Outage Analysis of Mixed Underlay Cognitive RF MIMO and FSO Relaying With Interference Reduction. <i>IEEE Photonics Journal</i> , 2017 , 9, 1-22	1.8	25
80	Unified performance analysis of mixed line of sight RF-FSO fixed gain dual-hop transmission systems 2015 ,		25
79	Safeguarding UAV IoT Communication Systems Against Randomly Located Eavesdroppers. <i>IEEE Internet of Things Journal</i> , 2020 , 7, 1230-1244	10.7	25
78	Security in Wireless Body Area Networks: From In-Body to Off-Body Communications. <i>IEEE Access</i> , 2018 , 6, 58064-58074	3.5	24
77	A performance study of two hop transmission in mixed underlay RF and FSO fading channels 2014 ,		23
76	New results on the sum of Gamma random variates with application to the performance of wireless communication systems over Nakagami-m fading channels. <i>Transactions on Emerging Telecommunications Technologies</i> , 2017 , 28, e2912	1.9	21
75	Secrecy enhancement of RF backhaul system with parallel FSO communication link. <i>Optics Communications</i> , 2020 , 475, 126193	2	21

74	On the Performance of Mixed RF/FSO Dual-Hop Transmission Systems 2013 ,		21
73	Outage performance analysis of underlay cognitive RF and FSO wireless channels 2014 ,		21
72	Physical-Layer Security With Full-Duplex Transceivers and Multiuser Receiver at Eve. <i>IEEE Transactions on Communications</i> , 2017 , 65, 4392-4405	6.9	20
71	Performance Analysis of Dual-Hop RF-UWOC Systems. <i>IEEE Photonics Journal</i> , 2020 , 12, 1-15	1.8	20
70	. <i>IEEE Transactions on Vehicular Technology</i> , 2016 , 65, 8822-8831	6.8	20
69	Adaptive Channel Coding and Power Control for Practical FSO Communication Systems Under Channel Estimation Error. <i>IEEE Transactions on Vehicular Technology</i> , 2019 , 68, 7566-7577	6.8	20
68	On the performance of hybrid RF and RF/FSO dual-hop transmission systems 2013 ,		19
67	Technologies and Solutions for Location-Based Services in Smart Cities: Past, Present, and Future. <i>IEEE Access</i> , 2018 , 6, 22240-22248	3.5	17
66	Channel capacity analysis of a mixed dual-hop radio-frequency-free space optical transmission system with M-lga distribution. <i>IET Communications</i> , 2016 , 10, 2119-2124	1.3	17
65	Secrecy Outage Analysis for SIMO Underlay Cognitive Radio Networks over Generalized- α - β Fading Channels. <i>IEEE Signal Processing Letters</i> , 2016 , 1-1	3.2	17
64	Secrecy performance analysis of SIMO underlay cognitive radio systems with outdated CSI. <i>IET Communications</i> , 2017 , 11, 1961-1969	1.3	14
63	Physical-layer security over generalised-K fading channels. <i>IET Communications</i> , 2016 , 10, 2233-2237	1.3	14
62	Outage Probability of a Multisensor Mixed UOWC-FSO Setup 2019 , 3, 1-4		14
61	On the performance of hybrid line of sight RF and RF-FSO fixed gain dual-hop transmission systems 2014 ,		14
60	On the Capacity of FSO Links under Lognormal and Rician-Lognormal Turbulences 2014 ,		14
59	On Secrecy Performance of Mixed Generalized Gamma and M-lga RF-FSO Variable Gain Relaying Channel. <i>IEEE Access</i> , 2020 , 8, 104127-104138	3.5	13
58	Asymptotic Performance Analysis of Two-Way Relaying FSO Networks With Nonzero Boresight Pointing Errors Over Double-Generalized Gamma Fading Channels. <i>IEEE Transactions on Vehicular Technology</i> , 2018 , 67, 7800-7805	6.8	13
57	On Secure Downlink NOMA Systems With Outage Constraint. <i>IEEE Transactions on Communications</i> , 2020 , 68, 7824-7836	6.9	13

56	Channel Modeling for UAV-Based Optical Wireless Links With Nonzero Boresight Pointing Errors. <i>IEEE Transactions on Vehicular Technology</i> , 2020 , 69, 14238-14246	6.8	12
55	Analysing self interference cancellation in full duplex radios 2016 ,		12
54	Secrecy Performance Analysis of Mixed α and Exponentiated Weibull RF-FSO Cooperative Relaying System. <i>IEEE Access</i> , 2021 , 9, 72342-72356	3.5	11
53	Generalized channel estimation and data detection for MIMO multiplexing FSO parallel channels over limited space. <i>Optics Communications</i> , 2019 , 452, 158-168	2	10
52	Secrecy Performance Analysis of Mixed Hyper-Gamma and Gamma-Gamma Cooperative Relaying System. <i>IEEE Access</i> , 2020 , 8, 131273-131285	3.5	10
51	Impact of Correlation and Pointing Error on Secure Outage Performance Over Arbitrary Correlated Nakagami- m and M -Turbulent Fading Mixed RF-FSO Channel. <i>IEEE Photonics Journal</i> , 2021 , 13, 1-17	1.8	10
50	Nonorthogonal Multiple Access for 5G and Beyond. <i>Wireless Communications and Mobile Computing</i> , 2018 , 2018, 1-2	1.9	9
49	On the performance of free-space optical wireless communication systems over double generalized gamma fading channels 2014 ,		8
48	Performance analysis of the decode-and-forward relay-based RF-FSO communication system in the presence of pointing errors. <i>IET Signal Processing</i> , 2019 , 13, 480-485	1.7	7
47	On the Physical Layer Security of a Decode and Forward Based Mixed FSO/RF Co-Operative System. <i>IEEE Wireless Communications Letters</i> , 2020 , 1-1	5.9	7
46	Towards bootstrapping trust in D2D using PGP and reputation mechanism 2017 ,		7
45	Asymptotic Ergodic Capacity Analysis of Composite Lognormal Shadowed Channels 2015 ,		7
44	Secrecy Outage Performance for Underlay MIMO CRNs with Energy Harvesting and Transmit Antenna Selection 2016 ,		7
43	Error rate and ergodic capacity of RF-FSO system with partial relay selection in the presence of pointing errors. <i>Optics Communications</i> , 2019 , 438, 118-125	2	7
42	Outage and Error Analysis of Dual-Hop TAS/MRC MIMO RF-UOWC Systems. <i>IEEE Transactions on Vehicular Technology</i> , 2021 , 1-1	6.8	7
41	Wireless energy harvesting in cooperative decode-and-forward relaying networks over mixed generalized α and β fading channels. <i>Transactions on Emerging Telecommunications Technologies</i> , 2018 , 29, e3262	1.9	7
40	On the Performance of Mixed FSO-UWOC Dual-Hop Transmission Systems. <i>IEEE Wireless Communications Letters</i> , 2021 , 10, 2041-2045	5.9	7
39	Security Performance Analysis of SIMO Generalized-K Fading Channels Using a Mixture Gamma Distribution 2016 ,		6

38	Outage of Cognitive Electric Vehicle Networks Over Mixed RF/VLC Channels With Signal-Dependent Noise and Imperfect CSI. <i>IEEE Transactions on Vehicular Technology</i> , 2020 , 69, 6828-6832	6.8	6
37	Security at the Physical Layer Over GG Fading and mEGG Turbulence Induced RF-UOWC Mixed System. <i>IEEE Access</i> , 2021 , 9, 18123-18136	3.5	6
36	UAV-Assisted Free Space Optical Communication System With Amplify-and-Forward Relaying. <i>IEEE Transactions on Vehicular Technology</i> , 2021 , 70, 8926-8936	6.8	6
35	On the Performance Analysis of Digital Communications over Weibull-Gamma Channels 2015 ,		5
34	A Business and Legislative Perspective of V2X and Mobility Applications in 5G Networks. <i>IEEE Access</i> , 2020 , 8, 67426-67435	3.5	5
33	Secrecy performance analysis of single-input multiple-output generalized-K fading channels. <i>Frontiers of Information Technology and Electronic Engineering</i> , 2016 , 17, 1074-1084	2.2	4
32	Towards Energy Efficient Multi-Hop D2D Networks Using WiFi Direct 2017 ,		4
31	Information Theoretical Limits of Free-Space Optical Links. <i>Signals and Communication Technology</i> , 2016 , 171-208	0.5	3
30	Integrating Public Safety Networks to 5G: Applications and Standards 2019 , 233-251		3
29	On Physical Layer Security of Multiple-Relay Assisted NOMA Systems 2019 ,		3
28	Trust-Based DoS Mitigation Technique for Medical Implants in Wireless Body Area Networks 2019 ,		3
27	An Implementation of Traffic Light System Using Multi-hop Ad hoc Networks 2009 ,		3
26	An Energy Consumption Model for WiFi Direct Based D2D Communications 2018 ,		3
25	Error analysis of TAS/MRC in Rayleigh fading channel with non-Gaussian noise. <i>Journal of the Franklin Institute</i> , 2018 , 355, 6877-6888	4	3
24	Free space optical communications with distributed switch-and-stay combining. <i>IET Communications</i> , 2018 , 12, 727-735	1.3	3
23	Performance Analysis of Dual-Hop DF Satellite Relaying over $k-\mu$ Shadowed Fading Channels 2017 ,		2
22	A marketplace for efficient and secure caching for IoT applications in 5G networks 2018 ,		2
21	Performance Analysis of Relay Assisted Mixed Dual-Hop RF-FSO Systems with Pointing Errors. <i>Lecture Notes in Electrical Engineering</i> , 2019 , 15-29	0.2	2

20	On the ergodic secrecy capacity with full duplex communication 2017 ,		2
19	Secrecy performance analysis with optimal DF relay selection of underlay CR networks over Nakagami-m fading channels 2017 ,		2
18	Performance analysis of adaptive modulation in underwater visible light communications 2017 ,		2
17	On the maximum and minimum of two modified Gamma-Gamma variates with applications 2014 ,		2
16	On the Sum of Squared eta-μ Random Variates with Application to the Performance of Wireless Communication Systems 2013 ,		2
15	Enhancing Security of TAS/MRC-Based Mixed RF-UOWC System With Induced Underwater Turbulence Effect. <i>IEEE Systems Journal</i> , 2021 , 1-12	4.3	2
14	Applications of Meijer's Factorization Theorems in Performance Analyses of All-Optical Multi-Hop FSO Systems. <i>IEEE Transactions on Wireless Communications</i> , 2021 , 20, 2078-2091	9.6	2
13	Secrecy performance of β -shadowed fading channel. <i>ICT Express</i> , 2021 ,	4.9	2
12	Mitigating distributed denial of service attacks in satellite networks. <i>Transactions on Emerging Telecommunications Technologies</i> , 2020 , 31, e3936	1.9	1
11	Biometrics for home networks security 2009 ,		1
10	Trajectory Design and Communication Resources Allocation for Wireless Powered Secure UAV Communication Systems. <i>IEEE Systems Journal</i> , 2021 , 1-9	4.3	1
9	On the Performance of Dual-Hop RF-UWOC System 2020 ,		1
8	Iterative Signal Detection Under Timing Errors for Optical Wireless Links with High Mobility. <i>IEEE Transactions on Vehicular Technology</i> , 2021 , 1-1	6.8	1
7	On the Intercept Probability and Secure Outage Analysis of Mixed (β - η)-Shadowed and Málaga Turbulent Models. <i>IEEE Access</i> , 2021 , 1-1	3.5	1
6	On Secure NOMA-based Terrestrial and Aerial IoT Systems. <i>IEEE Internet of Things Journal</i> , 2021 , 1-1	10.7	1
5	Process Mining and User Privacy in D2D and IoT Networks. <i>Informatik-Spektrum</i> , 2019 , 42, 340-342	0.3	0
4	Performance Analysis of Relaying FSO System over (M)-Distributed Turbulent Channel with Variable Gain AF Protocol. <i>Lecture Notes in Electrical Engineering</i> , 2019 , 3-13	0.2	
3	Demystifying Futuristic Satellite Networks: Requirements, Security Threats, and Issues 2021 , 261-273		

- 2 Statistical characterisation and analysis of differential correlation-based frame detector. *IET Communications*, **2019**, 13, 2678-2687 1.3
- 1 Role of D2D Communications in Mobile Health Applications: Security Threats and Requirements **2021**, 169-185