

Ferkan Yilmaz

List of Publications by Year in Descending Order

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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.

63

papers

1,705

citations

19

h-index

40

g-index

74

ext. papers

1,996

ext. citations

4.5

avg, IF

5.21

L-index

#	Paper	IF	Citations
63	Performance Analysis of OTFS under In-Phase and Quadrature Imbalance at Transmitter. <i>IEEE Transactions on Vehicular Technology</i> , 2021 , 1-1	6.8	3
62	On the Relationships Between Average Channel Capacity, Average Bit Error Rate, Outage Probability, and Outage Capacity Over Additive White Gaussian Noise Channels. <i>IEEE Transactions on Communications</i> , 2020 , 68, 2763-2776	6.9	6
61	McLeish Distribution: Performance of Digital Communications Over Additive White McLeish Noise (AWMN) Channels. <i>IEEE Access</i> , 2020 , 8, 19133-19195	3.5	3
60	On the asymptotic analysis of the high-order statistics of the channel capacity over generalized fading channels. <i>Turkish Journal of Electrical Engineering and Computer Sciences</i> , 2020 , 28, 362-379	0.9	1
59	A novel and unified approach for averaged channel capacity and averaged effective capacity analyses of diversity combining and multihop transmission schemes in flat fading environments. <i>Turkish Journal of Electrical Engineering and Computer Sciences</i> , 2019 , 27, 106-119	0.9	3
58	On the bit-error rate of binary phase shift keying over additive white generalized laplacian noise (AWGLN) channels 2018 ,		7
57	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
56	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
55	Performance Analysis of FSO Links over Unified Gamma-Gamma Turbulence Channels 2015 ,		36
54	A Generic Interference Model for Uplink OFDMA Networks With Fractional Frequency Reuse. <i>IEEE Transactions on Vehicular Technology</i> , 2014 , 63, 1491-1497	6.8	13
53	On the Computation of the Higher Order Statistics of the Channel Capacity for Amplify-and-Forward Multihop Transmission. <i>IEEE Transactions on Vehicular Technology</i> , 2014 , 63, 489-494	6.8	7
52	Heterogeneous next-generation wireless network interference model and its applications. <i>Transactions on Emerging Telecommunications Technologies</i> , 2014 , 25, n/a-n/a	1.9	3
51	Performance of amplify-and-forward multihop transmission over relay clusters with different routing strategies. <i>International Journal of Autonomous and Adaptive Communications Systems</i> , 2014 , 7, 110	0.6	0
50	Novel MGF-based expressions for the average bit error probability of binary signalling over generalized fading channels 2014 ,		2
49	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
48	On the Performance of Transmit Antenna Selection Based on Shadowing Side Information. <i>IEEE Transactions on Vehicular Technology</i> , 2013 , 62, 454-460	6.8	11
47	A Framework for Uplink Intercell Interference Modeling with Channel-Based Scheduling. <i>IEEE Transactions on Wireless Communications</i> , 2013 , 12, 206-217	9.6	28

46	On the Performance of Mixed RF/FSO Dual-Hop Transmission Systems 2013 ,		21
45	On the Performance of Mixed RF/FSO Variable Gain Dual-Hop Transmission Systems with Pointing Errors 2013 ,		40
44	Error Rates of M-PAM and M-QAM in Generalized Fading and Generalized Gaussian Noise Environments. <i>IEEE Communications Letters</i> , 2013 , 17, 1932-1935	3.8	37
43	Exact symbol error probability of square M-QAM signaling over generalized fading channels subject to additive generalized Gaussian noise 2013 ,		10
42	A Statistical Model of Uplink Inter-Cell Interference with Slow and Fast Power Control Mechanisms. <i>IEEE Transactions on Communications</i> , 2013 , 61, 3953-3966	6.9	14
41	. <i>IEEE Transactions on Wireless Communications</i> , 2013 , 12, 4422-4433	9.6	8
40	On the performance of hybrid RF and RF/FSO dual-hop transmission systems 2013 ,		19
39	On the performance of hybrid RF and RF/FSO fixed gain dual-hop transmission systems 2013 ,		41
38	Resource Allocation Based Uplink Intercell Interference Model in Multi-Carrier Networks 2013 ,		1
37	On the Sum of Squared χ^2 Random Variates with Application to the Performance of Wireless Communication Systems 2013 ,		2
36	A Unified MGF-Based Capacity Analysis of Diversity Combiners over Generalized Fading Channels. <i>IEEE Transactions on Communications</i> , 2012 , 60, 862-875	6.9	98
35	On the Computation of the Higher-Order Statistics of the Channel Capacity over Generalized Fading Channels. <i>IEEE Wireless Communications Letters</i> , 2012 , 1, 573-576	5.9	15
34	Average Bit Error Probability of Binary Coherent Signaling over Generalized Fading Channels Subject to Additive Generalized Gaussian Noise. <i>IEEE Communications Letters</i> , 2012 , 16, 785-788	3.8	45
33	On the modeling of uplink inter-cell interference based on proportional fair scheduling 2012 ,		2
32	Novel asymptotic results on the high-order statistics of the channel capacity over generalized fading channels 2012 ,		57
31	On hybrid cooperation in underlay cognitive radio networks 2012 ,		2
30	On the sum of gamma random variates with application to the performance of maximal ratio combining over Nakagami-m fading channels 2012 ,		28
29	A Statistical Model for Uplink Intercell Interference with Power Adaptation and Greedy Scheduling 2012 ,		1

28	Capacity limits of spectrum-sharing systems over hyper-fading channels. <i>Wireless Communications and Mobile Computing</i> , 2012 , 12, 1471-1480	1.9	5
27	A Novel Unified Expression for the Capacity and Bit Error Probability of Wireless Communication Systems over Generalized Fading Channels. <i>IEEE Transactions on Communications</i> , 2012 , 60, 1862-1876	6.9	49
26	Cognitive interference modeling with applications in power and admission control 2012 ,		4
25	A novel ergodic capacity analysis of diversity combining and multihop transmission systems over generalized composite fading channels 2012 ,		3
24	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
23	Performance of Equal Gain Combining with Quantized Phases in Rayleigh Fading Channels. <i>IEEE Transactions on Communications</i> , 2011 , 59, 13-18	6.9	2
22	2011 ,		2
21	A generalized and parameterized interference model for cognitive radio networks 2011 ,		5
20	Transmit Antenna Selection Based on Shadowing Side Information 2011 ,		10
19	Partial relay selection based on shadowing side information over generalized composite fading channels 2011 ,		3
18	On the statistics of uplink inter-cell interference with greedy resource allocation 2011 ,		4
17	Novel relations between the ergodic capacity and the average bit error rate 2011 ,		1
16	Generalized routing protocols for multihop relay networks 2011 ,		5
15	Exact capacity analysis of multihop transmission over amplify-and-forward relay fading channels 2010 ,		14
14	Outage capacity of multicarrier systems 2010 ,		17
13	A novel framework on exact average symbol error probabilities of multihop transmission over amplify-and-forward relay fading channels 2010 ,		25
12	A new simple model for composite fading channels: Second order statistics and channel capacity 2010 ,		62
11	An MGF-based capacity analysis of equal gain combining over fading channels 2010 ,		15

10	A unified framework for the statistical characterization of the SNR of amplify-and-forward multihop channels 2010 ,		9
9	Symbol Error Rate Performance of QS-CDMA over Frequency Selective Time Non-Selective Multipath Generalized Gamma Fading Channels. <i>Wireless Personal Communications</i> , 2009 , 49, 487-516	1.9	7
8	The m-n distribution - A new closed-form physical channel fading model and performance of M-ary modulations 2009 ,		2
7	Product of shifted exponential variates and outage capacity of multicarrier systems 2009 ,		34
6	Product of the Powers of Generalized Nakagami-m Variates and Performance of Cascaded Fading Channels 2009 ,		106
5	Achievable Capacity of a Spectrum Sharing System over Hyper Fading Channels 2009 ,		9
4	Sum of Weibull variates and performance of diversity systems 2009 ,		15
3	Exact performance of wireless multihop transmission for M-ary coherent modulations over generalized gamma fading channels 2008 ,		18
2	Performance of quasisynchronous scale time code division multiple access for AWGN channel. <i>Computers and Electrical Engineering</i> , 2008 , 34, 38-52	4.3	4
1	On the Analysis of Secrecy Outage Probability Using Average Channel Capacity. <i>Sakarya University Journal of Science</i> , 248-255	0.3	