

# Ferkan Yilmaz

## List of Publications by Year in descending order

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74  
papers

2,245  
citations

623574

14  
h-index

552653

26  
g-index

74  
all docs

74  
docs citations

74  
times ranked

1140  
citing authors

#	ARTICLE	IF	CITATIONS
1	A New Formula for the BER of Binary Modulations with Dual-Branch Selection over Generalized-K Composite Fading Channels. IEEE Transactions on Communications, 2011, 59, 2654-2658.	4.9	348
2	Performance Analysis of Free-Space Optical Links Over $M$ -laga ( $\mathcal{M}$ ) Turbulence Channels With Pointing Errors. IEEE Transactions on Wireless Communications, 2016, 15, 91-102.	6.1	312
3	Impact of Pointing Errors on the Performance of Mixed RF/FSO Dual-Hop Transmission Systems. IEEE Wireless Communications Letters, 2013, 2, 351-354.	3.2	249
4	Product of the Powers of Generalized Nakagami-m Variates and Performance of Cascaded Fading Channels. , 2009, , .		125
5	A Unified MGF-Based Capacity Analysis of Diversity Combiners over Generalized Fading Channels. IEEE Transactions on Communications, 2012, 60, 862-875.	4.9	124
6	A new simple model for composite fading channels: Second order statistics and channel capacity. , 2010, , .		75
7	Novel asymptotic results on the high-order statistics of the channel capacity over generalized fading channels. , 2012, , .		74
8	A Novel Unified Expression for the Capacity and Bit Error Probability of Wireless Communication Systems over Generalized Fading Channels. IEEE Transactions on Communications, 2012, 60, 1862-1876.	4.9	66
9	Performance Analysis of FSO Links over Unified Gamma-Gamma Turbulence Channels. , 2015, , .		61
10	Average Bit Error Probability of Binary Coherent Signaling over Generalized Fading Channels Subject to Additive Generalized Gaussian Noise. IEEE Communications Letters, 2012, 16, 785-788.	2.5	55
11	On the performance of hybrid RF and RF/FSO fixed gain dual-hop transmission systems. , 2013, , .		48
12	On the Performance of Mixed RF/FSO Variable Gain Dual-Hop Transmission Systems with Pointing Errors. , 2013, , .		46
13	Error Rates of M-PAM and M-QAM in Generalized Fading and Generalized Gaussian Noise Environments. IEEE Communications Letters, 2013, 17, 1932-1935.	2.5	43
14	Product of shifted exponential variates and outage capacity of multicarrier systems. , 2009, , .		42
15	On the sum of gamma random variates with application to the performance of maximal ratio combining over Nakagami-m fading channels. , 2012, , .		36
16	A Framework for Uplink Intercell Interference Modeling with Channel-Based Scheduling. IEEE Transactions on Wireless Communications, 2013, 12, 206-217.	6.1	34
17	New results on the sum of Gamma random variates with application to the performance of wireless communication systems over Nakagami- $m$ fading channels. Transactions on Emerging Telecommunications Technologies, 2017, 28, e2912.	2.6	32
18	A novel framework on exact average symbol error probabilities of multihop transmission over amplify-and-forward relay fading channels. , 2010, , .		29

#	ARTICLE	IF	CITATIONS
19	Sum of Weibull variates and performance of diversity systems. , 2009, , .		25
20	On the Performance of Mixed RF/FSO Dual-Hop Transmission Systems. , 2013, , .		25
21	Exact performance of wireless multihop transmission for M-ary coherent modulations over generalized gamma fading channels. , 2008, , .		23
22	On the performance of hybrid RF and RF/FSO dual-hop transmission systems. , 2013, , .		23
23	Outage capacity of multicarrier systems. , 2010, , .		22
24	A Statistical Model of Uplink Inter-Cell Interference with Slow and Fast Power Control Mechanisms. IEEE Transactions on Communications, 2013, 61, 3953-3966.	4.9	20
25	On the Computation of the Higher-Order Statistics of the Channel Capacity over Generalized Fading Channels. IEEE Wireless Communications Letters, 2012, 1, 573-576.	3.2	18
26	Exact capacity analysis of multihop transmission over amplify-and-forward relay fading channels. , 2010, , .		17
27	An MGF-based capacity analysis of equal gain combining over fading channels. , 2010, , .		17
28	On the Performance of Transmit Antenna Selection Based on Shadowing Side Information. IEEE Transactions on Vehicular Technology, 2013, 62, 454-460.	3.9	15
29	On the Relationships Between Average Channel Capacity, Average Bit Error Rate, Outage Probability, and Outage Capacity Over Additive White Gaussian Noise Channels. IEEE Transactions on Communications, 2020, 68, 2763-2776.	4.9	15
30	Transmit Antenna Selection Based on Shadowing Side Information. , 2011, , .		14
31	Exact symbol error probability of square M-QAM signaling over generalized fading channels subject to additive generalized Gaussian noise. , 2013, , .		14
32	A Generic Interference Model for Uplink OFDMA Networks With Fractional Frequency Reuse. IEEE Transactions on Vehicular Technology, 2014, 63, 1491-1497.	3.9	14
33	Performance Analysis of OTFS Under In-Phase and Quadrature Imbalance at Transmitter. IEEE Transactions on Vehicular Technology, 2021, 70, 11761-11771.	3.9	14
34	Achievable Capacity of a Spectrum Sharing System over Hyper Fading Channels. , 2009, , .		13
35	A unified framework for the statistical characterization of the SNR of amplify-and-forward multihop channels. , 2010, , .		13
36	On the Sum of Squared $\eta$ -&#181; Random Variates with Application to the Performance of Wireless Communication Systems. , 2013, , .		12

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37	On Hybrid Cooperation in Underlay Cognitive Radio Networks. IEEE Transactions on Wireless Communications, 2013, 12, 4422-4433.	6.1	11
38	Symbol Error Rate Performance of QS-CDMA over Frequency Selective Time Non-Selective Multipath Generalized Gamma Fading Channels. Wireless Personal Communications, 2009, 49, 487-516.	1.8	10
39	Capacity limits of spectrum-sharing systems over hyper-fading channels. Wireless Communications and Mobile Computing, 2012, 12, 1471-1480.	0.8	10
40	On the Computation of the Higher Order Statistics of the Channel Capacity for Amplify-and-Forward Multihop Transmission. IEEE Transactions on Vehicular Technology, 2014, 63, 489-494.	3.9	9
41	Heterogeneous next-generation wireless network interference model and its applications. Transactions on Emerging Telecommunications Technologies, 2014, 25, 563-575.	2.6	9
42	On the bit-error rate of binary phase shift keying over additive white generalized laplacian noise (AWGLN) channels. , 2018, , .		7
43	A generalized and parameterized interference model for cognitive radio networks. , 2011, , .		6
44	Generalized routing protocols for multihop relay networks. , 2011, , .		6
45	On the modeling of uplink inter-cell interference based on proportional fair scheduling. , 2012, , .		6
46	Performance of quasisynchronous scale time code division multiple access for AWGN channel. Computers and Electrical Engineering, 2008, 34, 38-52.	3.0	5
47	Performance of Equal Gain Combining with Quantized Phases in Rayleigh Fading Channels. IEEE Transactions on Communications, 2011, 59, 13-18.	4.9	5
48	On the statistics of uplink inter-cell interference with greedy resource allocation. , 2011, , .		5
49	Cognitive interference modeling with applications in power and admission control. , 2012, , .		5
50	A novel ergodic capacity analysis of diversity combining and multihop transmission systems over generalized composite fading channels. , 2012, , .		5
51	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. Turkish Journal of Electrical Engineering and Computer Sciences, 2019, 27, 106-119.	0.9	5
52	The m-n distribution - A new closed-form physical channel fading model and performance of M-ary modulations. , 2009, , .		3
53	Partial relay selection based on shadowing side information over generalized composite fading channels. , 2011, , .		3
54	A Statistical Model for Uplink Intercell Interference with Power Adaptation and Greedy Scheduling. , 2012, , .		3

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55	McLeish Distribution: Performance of Digital Communications Over Additive White McLeish Noise (AWMN) Channels. IEEE Access, 2020, 8, 19133-19195.	2.6	3
56	On the ergodic capacity of legacy systems in the presence of next generation interference. , 2011, , .		2
57	On hybrid cooperation in underlay cognitive radio networks. , 2012, , .		2
58	Novel MGF-based expressions for the average bit error probability of binary signalling over generalized fading channels. , 2014, , .		2
59	On the asymptotic analysis of the high-order statistics of the channel capacity over generalized fading channels. Turkish Journal of Electrical Engineering and Computer Sciences, 2020, 28, 362-379.	0.9	2
60	Cooperative Uplink VG-CDMA over Frequency Selective Generalized Gamma Slowly Fading Channels. , 2007, , .		1
61	Novel relations between the ergodic capacity and the average bit error rate. , 2011, , .		1
62	Higher order capacity statistics of multi-hop transmission systems over Rayleigh fading channels. , 2012, , .		1
63	Resource Allocation Based Uplink Intercell Interference Model in Multi-Carrier Networks. , 2013, , .		1
64	Performance of amplify-and-forward multihop transmission over relay clusters with different routing strategies. International Journal of Autonomous and Adaptive Communications Systems, 2014, 7, 110.	0.2	1
65	On the error performance bounds of positioning using RSSI-based fingerprints. , 2015, , .		1
66	Vehicle location estimation using air pressure measurements. , 2018, , .		1
67	A useful lemma for bit error rate of the noise imbalanced MRC combining over correlated and uncorrelated fading channels. , 2018, , .		1
68	Analysis of QS-CDMA over Frequency Selective Time Non-Selective Nakagami-m Fading Channels. , 0, , .		0
69	Analysis of QS-CDMA for M-ary Signaling over Frequency Selective Generalized Gamma Slowly Fading Channels. , 2007, , .		0
70	Performance of equal gain combining for quantized estimates of Rayleigh fading channels. , 2009, , .		0
71	An Exact Closed-Form Expression for the BER of Binary Modulations with Dual-Branch Selection over Generalized-K Fading. , 2011, , .		0
72	On the Average Capacity and Bit Error Probability of Wireless Communication Systems. , 2011, , .		0

#	ARTICLE	IF	CITATIONS
73	On the Analysis of Secrecy Outage Probability Using Average Channel Capacity. Sakarya University Journal of Science, 0, , 248-255.	0.3	0
74	On the Vision-Beam Aided Tracking for Wireless 5G-Beyond Networks Using Long Short-Term Memory with Soft Attention Mechanism. , 2022, 2, 505-520.		0