

Kostas P Peppas

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.

89
papers

1,732
citations

25
h-index

38
g-index

103
ext. papers

2,070
ext. citations

4.3
avg, IF

5.46
L-index

#	Paper	IF	Citations
89	A New Formula for the Average Bit Error Probability of Dual-Hop Amplify-and-Forward Relaying Systems over Generalized Shadowed Fading Channels. <i>IEEE Wireless Communications Letters</i> , 2012 , 1, 85-88	5.9	115
88	Serial Free-Space Optical Relaying Communications Over Gamma-Gamma Atmospheric Turbulence Channels. <i>Journal of Optical Communications and Networking</i> , 2010 , 2, 576	4.1	96
87	Average Symbol Error Probability of General-Order Rectangular Quadrature Amplitude Modulation of Optical Wireless Communication Systems Over Atmospheric Turbulence Channels. <i>Journal of Optical Communications and Networking</i> , 2010 , 2, 102	4.1	89
86	Capacity Analysis of Dual Amplify-and-Forward Relayed Free-Space Optical Communication Systems Over Turbulence Channels With Pointing Errors. <i>Journal of Optical Communications and Networking</i> , 2013 , 5, 1032	4.1	72
85	A Simple, Accurate Approximation to the Sum of Gamma-Gamma Variates and Applications in MIMO Free-Space Optical Systems. <i>IEEE Photonics Technology Letters</i> , 2011 , 23, 839-841	2.2	59
84	New Results on the Fluctuating Two-Ray Model With Arbitrary Fading Parameters and Its Applications. <i>IEEE Transactions on Vehicular Technology</i> , 2018 , 67, 2766-2770	6.8	55
83	Simple, accurate formula for the average bit error probability of multiple-input multiple-output free-space optical links over negative exponential turbulence channels. <i>Optics Letters</i> , 2012 , 37, 3243-5	3	54
82	Secrecy Outage Analysis Over Correlated Composite Nakagami- m /Gamma Fading Channels. <i>IEEE Communications Letters</i> , 2018 , 22, 77-80	3.8	51
81	Performance Analysis of Dual-Hop AF Relaying Systems over Mixed η and κ μ Fading Channels. <i>IEEE Transactions on Vehicular Technology</i> , 2013 , 62, 3149-3163	6.8	48
80	Performance of underwater optical wireless communication with multi-pulse pulse-position modulation receivers and spatial diversity. <i>IET Optoelectronics</i> , 2017 , 11, 180-185	1.5	45
79	Multivariate gamma-gamma distribution with exponential correlation and its applications in radio frequency and optical wireless communications. <i>IET Microwaves, Antennas and Propagation</i> , 2011 , 5, 364	1.6	45
78	On High-Order Capacity Statistics of Spectrum Aggregation Systems Over κ - μ and κ - μ Shadowed Fading Channels. <i>IEEE Transactions on Communications</i> , 2017 , 65, 935-944	6.9	43
77	Free-Space Optical Communication With Spatial Modulation and Coherent Detection Over H-K Atmospheric Turbulence Channels. <i>Journal of Lightwave Technology</i> , 2015 , 33, 4221-4232	4	43
76	Physical Layer Security Over Fluctuating Two-Ray Fading Channels. <i>IEEE Transactions on Vehicular Technology</i> , 2018 , 67, 8949-8953	6.8	43
75	Error performance of digital modulation schemes with MRC diversity reception over η fading channels. <i>IEEE Transactions on Wireless Communications</i> , 2009 , 8, 4974-4980	9.6	41
74	Average Capacity of Optical Wireless Communication Systems Over I-K Atmospheric Turbulence Channels. <i>Journal of Optical Communications and Networking</i> , 2012 , 4, 1026	4.1	36
73	Underwater Optical Wireless Communications With Optical Amplification and Spatial Diversity. <i>IEEE Photonics Technology Letters</i> , 2016 , 28, 2613-2616	2.2	35

72	Statistical Analysis for On-Body Spatial Diversity Communications at 2.45 GHz. <i>IEEE Transactions on Antennas and Propagation</i> , 2012 , 60, 4014-4019	4.9	29
71	Cascaded generalised-K fading channel. <i>IET Communications</i> , 2010 , 4, 116	1.3	29
70	Accurate closed-form approximations to generalised-K sum distributions and applications in the performance analysis of equal-gain combining receivers. <i>IET Communications</i> , 2011 , 5, 982-989	1.3	28
69	Energy detection of unknown signals in Gamma-shadowed Rician fading environments with diversity reception. <i>IET Communications</i> , 2015 , 9, 196-210	1.3	26
68	Sum of Non-Identical Independent Squared χ^2 Variates and Applications in the Performance Analysis of DS-SSMA Systems. <i>IEEE Transactions on Wireless Communications</i> , 2010 , 9, 2718-2723	9.6	26
67	Dual-hop relaying communications over generalized-K (KG) fading channels. <i>Journal of the Franklin Institute</i> , 2010 , 347, 1643-1653	4	26
66	On the Performance Analysis of RIS-Empowered Communications Over Nakagami-m Fading. <i>IEEE Communications Letters</i> , 2021 , 25, 2191-2195	3.8	26
65	Sum of Nonidentical Squared χ^2 Variates and Applications in the Performance Analysis of Diversity Receivers. <i>IEEE Transactions on Vehicular Technology</i> , 2012 , 61, 413-419	6.8	25
64	Physical Layer Security for Multiple-Antenna Systems: A Unified Approach. <i>IEEE Transactions on Communications</i> , 2016 , 64, 314-328	6.9	24
63	Capacity of α -fading channels under different adaptive transmission techniques. <i>IET Communications</i> , 2010 , 4, 532	1.3	24
62	The Fisher-Bnedecor F -Distribution Model for Turbulence-Induced Fading in Free-Space Optical Systems. <i>Journal of Lightwave Technology</i> , 2020 , 38, 1286-1295	4	24
61	Dual-Hop Relaying Communications with Cochannel Interference Over η - μ Fading Channels. <i>IEEE Transactions on Vehicular Technology</i> , 2013 , 62, 4110-4116	6.8	23
60	Improving the availability of terrestrial FSO links over log normal atmospheric turbulence channels using dispersive chirped Gaussian pulses. <i>Optics and Laser Technology</i> , 2013 , 54, 329-334	4.2	22
59	. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , 2015 , 51, 2027-2038	3.7	21
58	Serial Amplify-and-Forward Relay Transmission Systems in Nakagami- m Fading Channels With a Poisson Interference Field. <i>IEEE Transactions on Vehicular Technology</i> , 2014 , 63, 2183-2196	6.8	20
57	Error rate performance analysis of dual-hop relaying transmissions over generalized-K fading channels. <i>AEU - International Journal of Electronics and Communications</i> , 2010 , 64, 1094-1099	2.8	20
56	. <i>IEEE Transactions on Vehicular Technology</i> , 2016 , 65, 6290-6300	6.8	19
55	. <i>IEEE Wireless Communications</i> , 2004 , 11, 14-20	13.4	19

54	Probability of fade estimation for FSO links with time dispersion and turbulence modeled with the gamma-gamma or the I-K distribution. <i>Optik</i> , 2014 , 125, 7191-7197	2.5	18
53	Dual-Hop Relaying Communications Over Fisher-Snedecor F-Fading Channels. <i>IEEE Transactions on Communications</i> , 2020 , 68, 2695-2710	6.9	17
52	A Framework for Dynamic Car and Taxi Pools with the Use of Positioning Systems 2009 ,		16
51	On the Distribution of the Ratio of Products of Fisher-Snedecor \mathcal{F} Random Variables and Its Applications. <i>IEEE Transactions on Vehicular Technology</i> , 2020 , 69, 1855-1866	6.8	16
50	A trivariate nakagami-m distribution with arbitrary covariance matrix and applications to generalized-selection diversity receivers. <i>IEEE Transactions on Communications</i> , 2009 , 57, 1896-1902	6.9	15
49	On the Effective Capacity of Amplify-and-Forward Multihop Transmission Over Arbitrary and Correlated Fading Channels. <i>IEEE Wireless Communications Letters</i> , 2016 , 5, 248-251	5.9	14
48	Performance evaluation of triple-branch GSC diversity receivers over generalized-K fading channels. <i>IEEE Communications Letters</i> , 2009 , 13, 829-831	3.8	14
47	. <i>IEEE Network</i> , 2005 , 19, 66-72	11.4	14
46	Evaluation of average bit error rate for wireless networks with alpha-stable interference. <i>Electronics Letters</i> , 2014 , 50, 47-49	1.1	12
45	. <i>IEEE Wireless Communications Letters</i> , 2013 , 2, 663-666	5.9	12
44	. <i>IEEE Transactions on Vehicular Technology</i> , 2015 , 64, 5177-5186	6.8	10
43	Space Shift Keying Transmission for Intervehicular Communications. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2016 , 17, 3635-3640	6.1	9
42	Dual-hop multi-input multi-output relay systems over spatially correlated Nakagami-m fading channels. <i>IET Communications</i> , 2011 , 5, 2106-2115	1.3	9
41	Asymptotic Error Performance Analysis of Spatial Modulation Under Generalized Fading. <i>IEEE Wireless Communications Letters</i> , 2014 , 3, 421-424	5.9	7
40	Performance Analysis of SISO and MIMO FSO Communication Systems Over Turbulent Channels 2012 ,		7
39	Performance Analysis of Wireless Powered UAV Relaying Systems Over κ - μ Fading Channels 2018 ,		7
38	Effective Capacity of Fluctuating Two-Ray Channels with Arbitrary Fading Parameters 2018 ,		7
37	Optimal Combining for Optical Wireless Systems With Amplification: The χ^2 Noise Regime. <i>IEEE Photonics Technology Letters</i> , 2018 , 30, 119-122	2.2	6

36	Effective Capacity of Multisource Multidestination Cooperative Systems Under Cochannel Interference. <i>IEEE Transactions on Vehicular Technology</i> , 2018 , 67, 8411-8421	6.8	6
35	Moments generating function of the harmonic mean of two non-identical gamma random variables and its applications in wireless communications. <i>Journal of the Franklin Institute</i> , 2012 , 349, 845-860	4	6
34	Moments-based analysis of dual-hop amplify-and-forward relaying communications systems over generalised fading channels. <i>IET Communications</i> , 2012 , 6, 2040-2047	1.3	6
33	System level performance evaluation of MIMO and SISO OFDM-based WLANs. <i>Wireless Networks</i> , 2009 , 15, 859-873	2.5	6
32	Performance Evaluation of Space-Time Block Codes Over Keyhole Weibull Fading Channels. <i>Wireless Personal Communications</i> , 2008 , 46, 385-395	1.9	6
31	Channel capacity evaluation for a multiple-input-multiple-output terminal in the presence of user's hand. <i>IET Microwaves, Antennas and Propagation</i> , 2007 , 1, 1137	1.6	6
30	Semiconductor optical amplifiers for underwater optical wireless communications. <i>IET Optoelectronics</i> , 2017 , 11, 15-19	1.5	5
29	Serial relaying communications over generalized-gamma fading channels. <i>Wireless Communications and Mobile Computing</i> , 2012 , 12, 1191-1202	1.9	5
28	Error rate analysis of threshold-based hybrid selection/maximal-ratio diversity over correlated nakagami-m fading channels. <i>IEEE Communications Letters</i> , 2007 , 11, 922-924	3.8	5
27	Performance Evaluation at the System Level of Reconfigurable Space-Time Coding Techniques for HSDPA. <i>Eurasip Journal on Advances in Signal Processing</i> , 2005 , 2005, 1	1.9	5
26	UAV-Aided Wireless Information and Power Transmission for High-Speed Train Communications 2018 ,		5
25	Unified Ergodic Capacity Expressions for AF Dual-Hop Systems With Hardware Impairments. <i>IEEE Communications Letters</i> , 2019 , 23, 1057-1060	3.8	4
24	Approximations to the Distribution of the Sum of Generalized Normal RVs Using the Moments Matching Method and its Applications in Performance Analysis of Equal Gain Diversity Receivers. <i>IEEE Transactions on Vehicular Technology</i> , 2018 , 67, 7230-7241	6.8	4
23	High-Order Statistics for the Channel Capacity of EGC Receivers Over Generalized Fading Channels. <i>IEEE Communications Letters</i> , 2018 , 22, 1740-1743	3.8	4
22	. <i>IEEE Communications Surveys and Tutorials</i> , 2011 , 13, 708-720	37.1	4
21	Outage performance of cognitive DF relaying networks employing SWIPT. <i>China Communications</i> , 2018 , 15, 28-40	3	4
20	Outage analysis of cognitive two-way relaying networks with SWIPT over Nakagami-m fading channels. <i>Science China Information Sciences</i> , 2018 , 61, 1	3.4	3
19	Layered Offset Hierarchical QAM Modulation for Intersymbol Interference Reduction. <i>IEEE Communications Letters</i> , 2013 , 17, 2176-2179	3.8	3

18	On-body channel statistical analysis based on measurements in an indoor environment at 2.45 GHz. <i>IET Microwaves, Antennas and Propagation</i> , 2012 , 6, 636	1.6	3
17	The Impact of the Position of MIMO Terminal User's Hand on Channel Capacity 2007 ,		3
16	Design and control of the interconnecting network of the access segment of mobile communications systems. <i>Computer Communications</i> , 2003 , 26, 489-497	5.1	3
15	Outage Analysis of Dual-Hop Relaying Communications with Co-channel Interference over Nakagami-m Fading Channels. <i>IEICE Transactions on Communications</i> , 2011 , E94-B, 2414-2418	0.5	3
14	On the sum of ordered random variables and its applications to physical-layer security of communication over fading channels with generalized selection combining. <i>Transactions on Emerging Telecommunications Technologies</i> , 2018 , 29, e3264	1.9	3
13	Improving spectral efficiency in broadcasting employing hierarchical QAM 2014 ,		2
12	Hierarchical Multilevel Space-Shift Keying for Unequal Error Protection under Rician Fading. <i>IEEE Communications Letters</i> , 2013 , 17, 2217-2220	3.8	2
11	On-body channel modelling: Measurements and statistical analysis 2010 ,		2
10	Performance analysis of dual-hop UAV relaying systems over mixed fluctuating two-ray and Nakagami-m fading channels. <i>Science China Information Sciences</i> , 2021 , 64, 1	3.4	2
9	Performance of CA-CFAR receivers in alpha-stable clutter 2013 ,		1
8	Handheld terminal vs. bodyworn antenna systems: A comparative study of MIMO systems performance 2009 ,		1
7	. <i>IEEE Transactions on Communications</i> , 2020 , 68, 1240-1253	6.9	1
6	Fetus Heart Rate Monitoring: A Preliminary research study with remote sensing. <i>IEEE Consumer Electronics Magazine</i> , 2021 , 1-1	3.2	1
5	Capacity Analysis of Power Beacon-assisted Energy Harvesting MIMO System Over Shadowed Fading Channels. <i>IEEE Transactions on Vehicular Technology</i> , 2021 , 1-1	6.8	1
4	New Results for the Error Rate Performance of LoRa Systems over Fading Channels.. <i>Sensors</i> , 2022 , 22,	3.8	1
3	On the SINR statistics of a VFDM cognitive spectrum sharing system. <i>Physical Communication</i> , 2017 , 24, 195-200	2.2	
2	Correction to "Error Rate Analysis of Threshold-Based Hybrid Selection/Maximal-Ratio Combining over Correlated Nakagami-m Fading Channels". <i>IEEE Communications Letters</i> , 2008 , 12, 407-407	3.8	
1	Evaluation of Interoperability Criteria and Mechanisms for Seamless Inter-Working Between UMTS-HSDPA and WLAN Networks Enhanced with MIMO Techniques. <i>Wireless Personal Communications</i> , 2004 , 30, 119-129	1.9	

