Kostas P Peppas

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.

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	New Results for the Error Rate Performance of LoRa Systems over Fading Channels.. *Sensors*, **2022**, 22,	3.8	1
88	On the Performance Analysis of RIS-Empowered Communications Over Nakagami-m Fading. *IEEE Communications Letters*, **2021**, 25, 2191-2195	3.8	26
87	Fetus Heart Rate Monitoring: A Preliminary research study with remote sensing. *IEEE Consumer Electronics Magazine*, **2021**, 1-1	3.2	1
86	Performance analysis of dual-hop UAV relaying systems over mixed fluctuating two-ray and Nakagami-m fading channels. *Science China Information Sciences*, **2021**, 64, 1	3.4	2
85	Capacity Analysis of Power Beacon-assisted Energy Harvesting MIMO System Over Shadowed Fading Channels. *IEEE Transactions on Vehicular Technology*, **2021**, 1-1	6.8	1
84	Dual-Hop Relaying Communications Over Fisher-Snedecor F-Fading Channels. *IEEE Transactions on Communications*, **2020**, 68, 2695-2710	6.9	17
83	. *IEEE Transactions on Communications*, **2020**, 68, 1240-1253	6.9	1
82	On the Distribution of the Ratio of Products of Fisher-Snedecor $mathcal {F}$ Random Variables and Its Applications. *IEEE Transactions on Vehicular Technology*, **2020**, 69, 1855-1866	6.8	16
81	The Fischer-Snedecor $mathcal {F}$-Distribution Model for Turbulence-Induced Fading in Free-Space Optical Systems. *Journal of Lightwave Technology*, **2020**, 38, 1286-1295	4	24
80	Unified Ergodic Capacity Expressions for AF Dual-Hop Systems With Hardware Impairments. *IEEE Communications Letters*, **2019**, 23, 1057-1060	3.8	4
79	Optimal Combining for Optical Wireless Systems With Amplification: The $chi ^{2}$ Noise Regime. *IEEE Photonics Technology Letters*, **2018**, 30, 119-122	2.2	6
78	Secrecy Outage Analysis Over Correlated Composite Nakagami- m /Gamma Fading Channels. *IEEE Communications Letters*, **2018**, 22, 77-80	3.8	51
77	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. *IEEE Transactions on Vehicular Technology*, **2018**, 67, 7230-7241	6.8	4
76	New Results on the Fluctuating Two-Ray Model With Arbitrary Fading Parameters and Its Applications. *IEEE Transactions on Vehicular Technology*, **2018**, 67, 2766-2770	6.8	55
75	Outage analysis of cognitive two-way relaying networks with SWIPT over Nakagami-m fading channels. *Science China Information Sciences*, **2018**, 61, 1	3.4	3
74	Physical Layer Security Over Fluctuating Two-Ray Fading Channels. *IEEE Transactions on Vehicular Technology*, **2018**, 67, 8949-8953	6.8	43
73	High-Order Statistics for the Channel Capacity of EGC Receivers Over Generalized Fading Channels. *IEEE Communications Letters*, **2018**, 22, 1740-1743	3.8	4

72	Effective Capacity of Multisource Multidestination Cooperative Systems Under Cochannel Interference. *IEEE Transactions on Vehicular Technology*, **2018**, 67, 8411-8421	6.8	6
71	On the sum of ordered random variables and its applications to physical-layer security of communication over □fading channels with generalized selection combining. *Transactions on Emerging Telecommunications Technologies*, **2018**, 29, e3264	1.9	3
70	Performance Analysis of Wireless Powered UAV Relaying Systems Over $kappa-mu$ Fading Channels **2018**,		7
69	UAV-Aided Wireless Information and Power Transmission for High-Speed Train Communications **2018**,		5
68	Effective Capacity of Fluctuating Two-Ray Channels with Arbitrary Fading Parameters **2018**,		7
67	Outage performance of cognitive DF relaying networks employing SWIPT. *China Communications*, **2018**, 15, 28-40	3	4
66	On High-Order Capacity Statistics of Spectrum Aggregation Systems Over $kappa $ - $mu $ and $kappa $ - $mu $ Shadowed Fading Channels. *IEEE Transactions on Communications*, **2017**, 65, 935-944	6.9	43
65	Performance of underwater optical wireless communication with multi-pulse pulse-position modulation receivers and spatial diversity. *IET Optoelectronics*, **2017**, 11, 180-185	1.5	45
64	On the SINR statistics of a VFDM cognitive spectrum sharing system. *Physical Communication*, **2017**, 24, 195-200	2.2	
63	Semiconductor optical amplifiers for underwater optical wireless communications. *IET Optoelectronics*, **2017**, 11, 15-19	1.5	5
62	. *IEEE Transactions on Vehicular Technology*, **2016**, 65, 6290-6300	6.8	19
61	Underwater Optical Wireless Communications With Optical Amplification and Spatial Diversity. *IEEE Photonics Technology Letters*, **2016**, 28, 2613-2616	2.2	35
60	Space Shift Keying Transmission for Intervehicular Communications. *IEEE Transactions on Intelligent Transportation Systems*, **2016**, 17, 3635-3640	6.1	9
59	Physical Layer Security for Multiple-Antenna Systems: A Unified Approach. *IEEE Transactions on Communications*, **2016**, 64, 314-328	6.9	24
58	On the Effective Capacity of Amplify-and-Forward Multihop Transmission Over Arbitrary and Correlated Fading Channels. *IEEE Wireless Communications Letters*, **2016**, 5, 248-251	5.9	14
57	. *IEEE Transactions on Vehicular Technology*, **2015**, 64, 5177-5186	6.8	10
56	Energy detection of unknown signals in Gamma-shadowed Rician fading environments with diversity reception. *IET Communications*, **2015**, 9, 196-210	1.3	26
55	. *IEEE Transactions on Aerospace and Electronic Systems*, **2015**, 51, 2027-2038	3.7	21

54	Free-Space Optical Communication With Spatial Modulation and Coherent Detection Over H-K Atmospheric Turbulence Channels. *Journal of Lightwave Technology*, **2015**, 33, 4221-4232	4	43
53	Evaluation of average bit error rate for wireless networks with alpha-stable interference. *Electronics Letters*, **2014**, 50, 47-49	1.1	12
52	Asymptotic Error Performance Analysis of Spatial Modulation Under Generalized Fading. *IEEE Wireless Communications Letters*, **2014**, 3, 421-424	5.9	7
51	Serial Amplify-and-Forward Relay Transmission Systems in Nakagami- m Fading Channels With a Poisson Interference Field. *IEEE Transactions on Vehicular Technology*, **2014**, 63, 2183-2196	6.8	20
50	Improving spectral efficiency in broadcasting employing hierarchical QAM **2014**,		2
49	Probability of fade estimation for FSO links with time dispersion and turbulence modeled with the gamma□gamma or the I-K distribution. *Optik*, **2014**, 125, 7191-7197	2.5	18
48	Hierarchical Multilevel Space-Shift Keying for Unequal Error Protection under Rician Fading. *IEEE Communications Letters*, **2013**, 17, 2217-2220	3.8	2
47	Layered Offset Hierarchical QAM Modulation for Intersymbol Interference Reduction. *IEEE Communications Letters*, **2013**, 17, 2176-2179	3.8	3
46	. *IEEE Wireless Communications Letters*, **2013**, 2, 663-666	5.9	12
45	Improving the availability of terrestrial FSO links over log normal atmospheric turbulence channels using dispersive chirped Gaussian pulses. *Optics and Laser Technology*, **2013**, 54, 329-334	4.2	22
44	Performance Analysis of Dual-Hop AF Relaying Systems over Mixed $eta{-}mu$ and $kappa{-} mu$ Fading Channels. *IEEE Transactions on Vehicular Technology*, **2013**, 62, 3149-3163	6.8	48
43	Performance of CA-CFAR receivers in alpha-stable clutter **2013**,		1
42	Capacity Analysis of Dual Amplify-and-Forward Relayed Free-Space Optical Communication Systems Over Turbulence Channels With Pointing Errors. *Journal of Optical Communications and Networking*, **2013**, 5, 1032	4.1	72
41	Dual-Hop Relaying Communications with Cochannel Interference Over eta - /spl mu/ Fading Channels. *IEEE Transactions on Vehicular Technology*, **2013**, 62, 4110-4116	6.8	23
40	Moments generating function of the harmonic mean of two non-identical gamma random variables and its applications in wireless communications. *Journal of the Franklin Institute*, **2012**, 349, 845-860	4	6
39	Sum of Nonidentical Squared $kappa {-} mu$ Variates and Applications in the Performance Analysis of Diversity Receivers. *IEEE Transactions on Vehicular Technology*, **2012**, 61, 413-419	6.8	25
38	A New Formula for the Average Bit Error Probability of Dual-Hop Amplify-and-Forward Relaying Systems over Generalized Shadowed Fading Channels. *IEEE Wireless Communications Letters*, **2012**, 1, 85-88	5.9	115
37	On-body channel statistical analysis based on measurements in an indoor environment at 2.45 GHz. *IET Microwaves, Antennas and Propagation*, **2012**, 6, 636	1.6	3

36	Statistical Analysis for On-Body Spatial Diversity Communications at 2.45 GHz. *IEEE Transactions on Antennas and Propagation*, **2012**, 60, 4014-4019	4.9	29
35	Moments-based analysis of dual-hop amplify-and-forward relaying communications systems over generalised fading channels. *IET Communications*, **2012**, 6, 2040-2047	1.3	6
34	Performance Analysis of SISO and MIMO FSO Communication Systems Over Turbulent Channels **2012**,		7
33	Serial relaying communications over generalized-gamma fading channels. *Wireless Communications and Mobile Computing*, **2012**, 12, 1191-1202	1.9	5
32	Average Capacity of Optical Wireless Communication Systems Over I-K Atmospheric Turbulence Channels. *Journal of Optical Communications and Networking*, **2012**, 4, 1026	4.1	36
31	Simple, accurate formula for the average bit error probability of multiple-input multiple-output free-space optical links over negative exponential turbulence channels. *Optics Letters*, **2012**, 37, 3243-5	3	54
30	A Simple, Accurate Approximation to the Sum of Gamma□Gamma Variates and Applications in MIMO Free-Space Optical Systems. *IEEE Photonics Technology Letters*, **2011**, 23, 839-841	2.2	59
29	Accurate closed-form approximations to generalised-K sum distributions and applications in the performance analysis of equal-gain combining receivers. *IET Communications*, **2011**, 5, 982-989	1.3	28
28	Dual-hop multi-input multi-output relay systems over spatially correlated Nakagami-m fading channels. *IET Communications*, **2011**, 5, 2106-2115	1.3	9
27	Multivariate gamma□gamma distribution with exponential correlation and its applications in radio frequency and optical wireless communications. *IET Microwaves, Antennas and Propagation*, **2011**, 5, 364	1.6	45
26	. *IEEE Communications Surveys and Tutorials*, **2011**, 13, 708-720	37.1	4
25	Outage Analysis of Dual-Hop Relaying Communications with Co-channel Interference over Nakagami-m Fading Channels. *IEICE Transactions on Communications*, **2011**, E94-B, 2414-2418	0.5	3
24	On-body channel modelling: Measurements and statistical analysis **2010**,		2
23	Sum of Non-Identical Independent Squared □Variates and Applications in the Performance Analysis of DS-CDMA Systems. *IEEE Transactions on Wireless Communications*, **2010**, 9, 2718-2723	9.6	26
22	Average Symbol Error Probability of General-Order Rectangular Quadrature Amplitude Modulation of Optical Wireless Communication Systems Over Atmospheric Turbulence Channels. *Journal of Optical Communications and Networking*, **2010**, 2, 102	4.1	89
21	Serial Free-Space Optical Relaying Communications Over Gamma-Gamma Atmospheric Turbulence Channels. *Journal of Optical Communications and Networking*, **2010**, 2, 576	4.1	96
20	Cascaded generalised-K fading channel. *IET Communications*, **2010**, 4, 116	1.3	29
19	Capacity of □Fading channels under different adaptive transmission techniques. *IET Communications*, **2010**, 4, 532	1.3	24

18	Dual-hop relaying communications over generalized-K (KG) fading channels. *Journal of the Franklin Institute*, **2010**, 347, 1643-1653	4	26
17	Error rate performance analysis of dual-hop relaying transmissions over generalized-K fading channels. *AEU - International Journal of Electronics and Communications*, **2010**, 64, 1094-1099	2.8	20
16	A Framework for Dynamic Car and Taxi Pools with the Use of Positioning Systems **2009**,		16
15	Error performance of digital modulation schemes with MRC diversity reception over □ fading channels. *IEEE Transactions on Wireless Communications*, **2009**, 8, 4974-4980	9.6	41
14	A trivariate nakagami-m distribution with arbitrary covariance matrix and applications to generalized-selection diversity receivers. *IEEE Transactions on Communications*, **2009**, 57, 1896-1902	6.9	15
13	System level performance evaluation of MIMO and SISO OFDM-based WLANs. *Wireless Networks*, **2009**, 15, 859-873	2.5	6
12	Handheld terminal vs. bodyworn antenna systems: A comparative study of MIMO systems performance **2009**,		1
11	Performance evaluation of triple-branch GSC diversity receivers over generalized-K fading channels. *IEEE Communications Letters*, **2009**, 13, 829-831	3.8	14
10	Correction to "Error Rate Analysis of Threshold-Based Hybrid Selection/Maximal-Ratio Combining over Correlated Nakagami-m Fading Channels". *IEEE Communications Letters*, **2008**, 12, 407-407	3.8	
9	Performance Evaluation of Space□ime Block Codes Over Keyhole Weibull Fading Channels. *Wireless Personal Communications*, **2008**, 46, 385-395	1.9	6
8	The Impact of the Position of MIMO Terminal User□s Hand on Channel Capacity **2007**,		3
7	Error rate analysis of threshold-based hybrid selection/maximal-ratio diversity over correlated nakagami-m fading channels. *IEEE Communications Letters*, **2007**, 11, 922-924	3.8	5
6	Channel capacity evaluation for a multiple-input-multiple-output terminal in the presence of user□s hand. *IET Microwaves, Antennas and Propagation*, **2007**, 1, 1137	1.6	6
5	. *IEEE Network*, **2005**, 19, 66-72	11.4	14
4	Performance Evaluation at the System Level of Reconfigurable Space-Time Coding Techniques for HSDPA. *Eurasip Journal on Advances in Signal Processing*, **2005**, 2005, 1	1.9	5
3	. *IEEE Wireless Communications*, **2004**, 11, 14-20	13.4	19
2	Evaluation of Interoperability Criteria and Mechanisms for Seamless Inter-Working Between UMTS-HSDPA and WLAN Networks Enhanced with MIMO Techniques. *Wireless Personal Communications*, **2004**, 30, 119-129	1.9	
1	Design and control of the interconnecting network of the access segment of mobile communications systems. *Computer Communications*, **2003**, 26, 489-497	5.1	3