George Tombras

List of Publications by Year
in descending order

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72 papers	2,302 citations	201575 27 h-index	223716 46 g-index
73 all docs	73 docs citations	73 times ranked	1110 citing authors

#	Article	IF	Citations
1	Average Capacity of Optical Wireless Communication Systems Over Atmospheric Turbulence Channels. Journal of Lightwave Technology, 2009, 27, 974-979.	2.7	192
2	Performance analysis of free-space optical communication systems over atmospheric turbulence channels. IET Communications, 2009, 3, 1402.	1.5	191
3	Channel Capacity and Second-Order Statistics in Weibull Fading. IEEE Communications Letters, 2004, 8, 377-379.	2.5	134
4	Serial Free-Space Optical Relaying Communications Over Gamma-Gamma Atmospheric Turbulence Channels. Journal of Optical Communications and Networking, 2010, 2, 576.	3.3	125
5	Performance Analysis of Dual Selection Diversity in Correlated Weibull Fading Channels. IEEE Transactions on Communications, 2004, 52, 1063-1067.	4.9	97
6	New results for the Shannon channel capacity in generalized fading channels. IEEE Communications Letters, 2005, 9, 97-99.	2.5	93
7	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.	3.3	90
8	A Novel Chaotic System without Equilibrium: Dynamics, Synchronization, and Circuit Realization. Complexity, 2017, 2017, 1-11.	0.9	77
9	On the use of wavelength and time diversity in optical wireless communication systems over gammaâ€“gamma turbulence channels. Optics and Laser Technology, 2012, 44, 2088-2094.	2.2	74
10	Equal-gain and maximal-ratio combining over nonidentical Weibull fading channels. IEEE Transactions on Wireless Communications, 2005, 4, 841-846.	6.1	70
11	On the cascaded Weibull fading channel model. Journal of the Franklin Institute, 2007, 344, 1-11.	1.9	66
12	Outage Analysis of Decode-and-Forward Relaying Over Nakagami- m Fading Channels. IEEE Signal Processing Letters, 2008, 15, 41-44.	2.1	65
13	SIMO optical wireless links with nonzero boresight pointing errors over M modeled turbulence channels. Optics Communications, 2017, 403, 391-400.	1.0	63
14	Performance estimation of free space optical links over negative exponential atmospheric turbulence channels. Optik, 2011, 122, 2191-2194.	1.4	60
15	Selection diversity receivers in Weibull fading: outage probability and average signal-to-noise ratio. Electronics Letters, 2003, 39, 1859.	0.5	50
16	BER estimation for multi-hop RoFSO QAM or PSK OFDM communication systems over gamma gamma or exponentially modeled turbulence channels. Optics and Laser Technology, 2014, 64, 106-112.	2.2	48
17	Average Capacity of Optical Wireless Communication Systems Over I-K Atmospheric Turbulence Channels. Journal of Optical Communications and Networking, 2012, 4, 1026.	3.3	44
18	FSO links with diversity pointing errors and temporal broadening of the pulses over weak to strong atmospheric turbulence channels. Optik, 2016, 127, 3402-3409.	1.4	41

#	Article	IF	Citations
19	Error-rate analysis of switched diversity receivers in Weibull fading. Electronics Letters, 2004, 40, 681.	0.5	38
20	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.	2.2	38
21	Comparative performance study of one or multiple receivers schemes for FSO links over gammaâ€“gamma turbulence channels. Journal of Modern Optics, 2012, 59, 1023-1031.	0.6	36
22	Bayesian and frequentist estimation of the performance of free space optical channels under weak turbulence conditions. Journal of the Franklin Institute, 2009, 346, 315-327.	1.9	34
23	Spectral efficiency for a hybrid DS/FH code-division multiple-access system in cellular mobile radio. IEEE Transactions on Vehicular Technology, 2001, 50, 1321-1327.	3.9	33
24	Dual-hop relaying communications over generalized-K (KG) fading channels. Journal of the Franklin Institute, 2010, 347, 1643-1653.	1.9	33
25	On the BER performance of FSO links with multiple receivers and spatial jitter over gamma-gamma or exponential turbulence channels. Optik, 2017, 138, 269-279.	1.4	33
26	Capacity estimation of optical wireless communication systems over moderate to strong turbulence channels. Journal of Communications and Networks, 2009, 11, 384-389.	1.8	31
27	Hyperchaotic Attractor in a Novel Hyperjerk System with Two Nonlinearities. Circuits, Systems, and Signal Processing, 2018, 37, 613-635.	1.2	30
28	Probability of fade estimation for FSO links with time dispersion and turbulence modeled with the gammaâ€“gamma or the I-K distribution. Optik, 2014, 125, 7191-7197.	1.4	23
29	Symbol error probability of decode and forward cooperative diversity in Nakagami-m fading channels. Journal of the Franklin Institute, 2008, 345, 723-728.	1.9	21
30	Higher Order Capacity Statistics of Diversity Receivers. Wireless Personal Communications, 2011, 56, 649-668.	1.8	21
31	DF Relayed Subcarrier FSO Links over Malaga Turbulence Channels with Phase Noise and Non-Zero Boresight Pointing Errors. Applied Sciences (Switzerland), 2018, 8, 664.	1.3	19
32	Nonlinear dynamics of femtosecond optical solitary wave propagation at the zero dispersion point. IEEE Journal of Quantum Electronics, 1995, 31, 183-189.	1.0	18
33	Performance study of terrestrial multi-hop OFDM FSO communication systems with pointing errors over turbulence channels. Journal of Modern Optics, 2016, 63, 1403-1413.	0.6	16
34	Performance Analysis of Hard-Switching Based Hybrid FSO/RF System over Turbulence Channels. Computation, 2019, 7, 28.	1.0	16
35	An Accurate Computational Tool for Performance Estimation of FSO Communication Links over Weak to Strong Atmospheric Turbulent Channels. Computation, 2017, 5, 18.	1.0	15
36	New adaptation algorithm for a two-digit adaptive delta modulation system. International Journal of Electronics, 1990, 68, 343-349.	0.9	14

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37	Average channel capacity for Rake receivers. Electronics Letters, 2002, 38, 475.	0.5	14
38	Time series analysis in a single transistor chaotic circuit. Chaos, Solitons and Fractals, 2009, 40, 246-256.	2.5	14
39	Analysis, Synchronization and Circuit Design of a 4D Hyperchaotic Hyperjerk System. Computation, 2018, 6, 14.	1.0	13
40	Period doubling, Feigenbaum constant and time series prediction in an experimental chaotic RLD circuit. Chaos, Solitons and Fractals, 2009, 40, 1050-1059.	2.5	12
41	Performance of SIMO FSO Links over Mixture Composite Irradiance Channels. Applied Sciences (Switzerland), 2019, 9, 2072.	1.3	12
42	A 2-bit Adaptive Delta Modulation System with Improved Performance. Eurasip Journal on Advances in Signal Processing, 2006, 2007, 1.	1.0	11
43	Performance of quadrature amplitude modulation orthogonal frequency division multiplexingâ€based free space optical links with nonâ€linear clipping effect over gammaâ€“gamma modelled turbulence channels. IET Optoelectronics, 2015, 9, 269-274.	1.8	11
44	Block error rate performance of OOK freeâ€space optical links over gammaâ€“gamma turbulence channels with generalised nonâ€zero boresight pointing errors. IET Optoelectronics, 2018, 12, 269-272.	1.8	11
45	Serially DF relayed hybrid FSO/MMW links with Weibull fading, M-turbulence and pointing errors. Optik, 2020, 216, 164531.	1.4	11
46	Average output SNR of equal-gain diversity receivers over correlative Weibull fading channels. European Transactions on Telecommunications, 2005, 16, 521-525.	1.2	10
47	Spectral efficiency of a cellular MC/DS-CDMA system in Rayleigh fading. International Journal of Communication Systems, 2005, 18, 795-801.	1.6	10
48	Electromagnetic emission memory phenomena related to LiF ionic crystal deformation. Journal of Applied Physics, 2008, 103, 083518.	1.1	10
49	Spatial diversity for QAM OFDM RoFSO links with nonzero boresight pointing errors over atmospheric turbulence channels. Journal of Modern Optics, 2019, 66, 241-251.	0.6	10
50	Time series cross prediction in a single transistor chaotic circuit. Chaos, Solitons and Fractals, 2009, 41, 1167-1173.	2.5	9
51	Comparative estimate of user capacity for FDMA and direct-sequence CDMA in mobile radio. International Journal of Electronics, 1997, 83, 133-144.	0.9	8
52	Spectral efficiency of direct-sequence code-division multiple-access in cellular mobile radio. International Journal of Communication Systems, 1997, 10, 247-252.	1.6	7
53	Average channel capacity for generalized-selection combining RAKE receivers. European Transactions on Telecommunications, 2004, 15, 497-500.	1.2	7
54	Average output SINR of equal-gain diversity in correlated Nakagami-m fading with cochannel interference. IEEE Transactions on Wireless Communications, 2005, 4, 1407-1411.	6.1	7

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55	Memory Effects in EM Emission During Uniaxial Deformation of Dielectric Crystalline Materials. IEEE Geoscience and Remote Sensing Letters, 2005, 2, 118-120.	1.4	7
56	Spectral efficiency of adaptive hybrid DSâˆ•FFH CDMA in Rayleigh fading. Electronics Letters, 2003, 39, 145.	0.5	6
57	On the Detection of Acoustic and Electromagnetic Signals Before Fracture of Dielectric Crystalline Materials. IEEE Geoscience and Remote Sensing Letters, 2004, 1, 162-165.	1.4	6
58	Spectral efficiency for selection combining RAKE receivers over Weibull fading channels. Journal of the Franklin Institute, 2005, 342, 7-13.	1.9	6
59	Spectral efficiency of a single-cell multi-carrier DS-CDMA system in Rayleigh fading. Journal of the Franklin Institute, 2006, 343, 295-300.	1.9	6
60	Serial relaying communications over generalizedâ€gamma fading channels. Wireless Communications and Mobile Computing, 2012, 12, 1191-1202.	0.8	6
61	Implementation of a two-digit adaptive delta modulator. International Journal of Electronics, 1990, 69, 767-776.	0.9	4
62	Elimination of Idle Tones by a 2-Bit Adaptive Sigma-Delta Modulation System. ETRI Journal, 2009, 31, 393-398.	1.2	4
63	Delayed encoding delta-modulation system with optimum performance. International Journal of Electronics, 1985, 59, 343-354.	0.9	3
64	An externally triggered CMOS triangular pulse generator. International Journal of Electronics, 1992, 73, 615-620.	0.9	3
65	Optimal hop number of adaptive hybrid DSâˆ•FFH CDMA in Rayleigh fading. Electronics Letters, 2003, 39, 557.	0.5	2
66	Constructing Learning-by-Doing Pedagogical Model for Delivering 21st Century Engineering Education. Advances in Science, Technology and Engineering Systems, 2018, 3, 115-124.	0.4	2
67	A line coding format for the output of a two-digit adaptive delta modulation system. International Journal of Electronics, 1992, 73, 263-270.	0.9	1
68	Running average error reduces overload noise in delayed delta-modulation systems. International Journal of Electronics, 1988, 65, 1105-1115.	0.9	0
69	1-Bit delayed encoding improves continuously variable slope delta modulator performance. International Journal of Electronics, 1992, 73, 549-554.	0.9	0
70	Description of a Differential Pulse-Frequency Modulator. Analog Integrated Circuits and Signal Processing, 1999, 19, 295-301.	0.9	0
71	Elimination of idle tones by a second order 2-bit adaptive sigma delta modulation system. Analog Integrated Circuits and Signal Processing, 2010, 63, 313-320.	0.9	0
72	Error Rate Performance of Multilevel Signals with Coherent Detection. IEEE Transactions on Communications, 2010, 58, 2188-2192.	4.9	0