

# George Tombras

## 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.

72  
papers

1,703  
citations

22  
h-index

39  
g-index

73  
ext. papers

2,099  
ext. citations

2.8  
avg. IF

4.73  
L-index

#	Paper	IF	Citations
72	Serially DF relayed hybrid FSO/MMW links with Weibull fading, M-turbulence and pointing errors. <i>Optik</i> , <b>2020</b> , 216, 164531	2.5	3
71	Performance of SIMO FSO Links over Mixture Composite Irradiance Channels. <i>Applied Sciences (Switzerland)</i> , <b>2019</b> , 9, 2072	2.6	5
70	Performance Analysis of Hard-Switching Based Hybrid FSO/RF System over Turbulence Channels. <i>Computation</i> , <b>2019</b> , 7, 28	2.2	3
69	Spatial diversity for QAM OFDM RoFSO links with nonzero boresight pointing errors over atmospheric turbulence channels. <i>Journal of Modern Optics</i> , <b>2019</b> , 66, 241-251	1.1	6
68	Hyperchaotic Attractor in a Novel Hyperjerk System with Two Nonlinearities. <i>Circuits, Systems, and Signal Processing</i> , <b>2018</b> , 37, 613-635	2.2	23
67	Block error rate performance of OOK free-space optical links over gamma-gamma turbulence channels with generalised non-zero boresight pointing errors. <i>IET Optoelectronics</i> , <b>2018</b> , 12, 269-272	1.5	7
66	DF Relayed Subcarrier FSO Links over Malaga Turbulence Channels with Phase Noise and Non-Zero Boresight Pointing Errors. <i>Applied Sciences (Switzerland)</i> , <b>2018</b> , 8, 664	2.6	11
65	Analysis, Synchronization and Circuit Design of a 4D Hyperchaotic Hyperjerk System. <i>Computation</i> , <b>2018</b> , 6, 14	2.2	10
64	Constructing Learning-by-Doing Pedagogical Model for Delivering 21st Century Engineering Education. <i>Advances in Science, Technology and Engineering Systems</i> , <b>2018</b> , 3, 115-124	0.3	0
63	On the BER performance of FSO links with multiple receivers and spatial jitter over gamma-gamma or exponential turbulence channels. <i>Optik</i> , <b>2017</b> , 138, 269-279	2.5	17
62	A Novel Chaotic System without Equilibrium: Dynamics, Synchronization, and Circuit Realization. <i>Complexity</i> , <b>2017</b> , 2017, 1-11	1.6	68
61	SIMO optical wireless links with nonzero boresight pointing errors over M modeled turbulence channels. <i>Optics Communications</i> , <b>2017</b> , 403, 391-400	2	46
60	An Accurate Computational Tool for Performance Estimation of FSO Communication Links over Weak to Strong Atmospheric Turbulent Channels. <i>Computation</i> , <b>2017</b> , 5, 18	2.2	8
59	Performance study of terrestrial multi-hop OFDM FSO communication systems with pointing errors over turbulence channels. <i>Journal of Modern Optics</i> , <b>2016</b> , 63, 1403-1413	1.1	11
58	FSO links with diversity pointing errors and temporal broadening of the pulses over weak to strong atmospheric turbulence channels. <i>Optik</i> , <b>2016</b> , 127, 3402-3409	2.5	27
57	Performance of quadrature amplitude modulation orthogonal frequency division multiplexing-based free space optical links with non-linear clipping effect over gamma-gamma modelled turbulence channels. <i>IET Optoelectronics</i> , <b>2015</b> , 9, 269-274	1.5	7
56	BER estimation for multi-hop RoFSO QAM or PSK OFDM communication systems over gamma-gamma or exponentially modeled turbulence channels. <i>Optics and Laser Technology</i> , <b>2014</b> , 64, 106-112	4.2	35

55	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> , <b>2014</b> , 125, 7191-7197	2.5	18
54	Improving the availability of terrestrial FSO links over log normal atmospheric turbulence channels using dispersive chirped Gaussian pulses. <i>Optics and Laser Technology</i> , <b>2013</b> , 54, 329-334	4.2	22
53	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> , <b>2013</b> , 5, 1032	4.1	72
52	On the use of wavelength and time diversity in optical wireless communication systems over gamma-gamma turbulence channels. <i>Optics and Laser Technology</i> , <b>2012</b> , 44, 2088-2094	4.2	61
51	Serial relaying communications over generalized-gamma fading channels. <i>Wireless Communications and Mobile Computing</i> , <b>2012</b> , 12, 1191-1202	1.9	5
50	Average Capacity of Optical Wireless Communication Systems Over I-K Atmospheric Turbulence Channels. <i>Journal of Optical Communications and Networking</i> , <b>2012</b> , 4, 1026	4.1	36
49	Comparative performance study of one or multiple receivers schemes for FSO links over gamma-gamma turbulence channels. <i>Journal of Modern Optics</i> , <b>2012</b> , 59, 1023-1031	1.1	21
48	Performance estimation of free space optical links over negative exponential atmospheric turbulence channels. <i>Optik</i> , <b>2011</b> , 122, 2191-2194	2.5	51
47	Higher Order Capacity Statistics of Diversity Receivers. <i>Wireless Personal Communications</i> , <b>2011</b> , 56, 649-668	16	
46	Serial Free-Space Optical Relaying Communications Over Gamma-Gamma Atmospheric Turbulence Channels. <i>Journal of Optical Communications and Networking</i> , <b>2010</b> , 2, 576	4.1	96
45	Elimination of idle tones by a second order 2-bit adaptive sigma delta modulation system. <i>Analog Integrated Circuits and Signal Processing</i> , <b>2010</b> , 63, 313-320	1.2	
44	Error Rate Performance of Multilevel Signals with Coherent Detection. <i>IEEE Transactions on Communications</i> , <b>2010</b> , 58, 2188-2192	6.9	
43	Dual-hop relaying communications over generalized-K (KG) fading channels. <i>Journal of the Franklin Institute</i> , <b>2010</b> , 347, 1643-1653	4	26
42	Elimination of Idle Tones by a 2-Bit Adaptive Sigma-Delta Modulation System. <i>ETRI Journal</i> , <b>2009</b> , 31, 393-398	1.4	3
41	Bayesian and frequentist estimation of the performance of free space optical channels under weak turbulence conditions. <i>Journal of the Franklin Institute</i> , <b>2009</b> , 346, 315-327	4	29
40	Time series analysis in a single transistor chaotic circuit. <i>Chaos, Solitons and Fractals</i> , <b>2009</b> , 40, 246-256	9.3	9
39	Period doubling, Feigenbaum constant and time series prediction in an experimental chaotic RLD circuit. <i>Chaos, Solitons and Fractals</i> , <b>2009</b> , 40, 1050-1059	9.3	10
38	Time series cross prediction in a single transistor chaotic circuit. <i>Chaos, Solitons and Fractals</i> , <b>2009</b> , 41, 1167-1173	9.3	6

37	Capacity estimation of optical wireless communication systems over moderate to strong turbulence channels. <i>Journal of Communications and Networks</i> , <b>2009</b> , 11, 384-389	4.1	25
36	Average Capacity of Optical Wireless Communication Systems Over Atmospheric Turbulence Channels. <i>Journal of Lightwave Technology</i> , <b>2009</b> , 27, 974-979	4	145
35	Performance analysis of free-space optical communication systems over atmospheric turbulence channels. <i>IET Communications</i> , <b>2009</b> , 3, 1402	1.3	142
34	Outage Analysis of Decode-and-Forward Relaying Over Nakagami- $m$ Fading Channels. <i>IEEE Signal Processing Letters</i> , <b>2008</b> , 15, 41-44	3.2	54
33	Electromagnetic emission memory phenomena related to LiF ionic crystal deformation. <i>Journal of Applied Physics</i> , <b>2008</b> , 103, 083518	2.5	10
32	Symbol error probability of decode and forward cooperative diversity in Nakagami- $m$ fading channels. <i>Journal of the Franklin Institute</i> , <b>2008</b> , 345, 723-728	4	17
31	On the cascaded Weibull fading channel model. <i>Journal of the Franklin Institute</i> , <b>2007</b> , 344, 1-11	4	55
30	A 2-bit Adaptive Delta Modulation System with Improved Performance. <i>Eurasip Journal on Advances in Signal Processing</i> , <b>2006</b> , 2007, 1	1.9	8
29	Spectral efficiency of a single-cell multi-carrier DS-SS-CDMA system in Rayleigh fading. <i>Journal of the Franklin Institute</i> , <b>2006</b> , 343, 295-300	4	4
28	New results for the Shannon channel capacity in generalized fading channels. <i>IEEE Communications Letters</i> , <b>2005</b> , 9, 97-99	3.8	70
27	Average output SINR of equal-gain diversity in correlated Nakagami- $m$ fading with cochannel interference. <i>IEEE Transactions on Wireless Communications</i> , <b>2005</b> , 4, 1407-1411	9.6	6
26	Memory effects in EM emission during uniaxial deformation of dielectric Crystalline materials. <i>IEEE Geoscience and Remote Sensing Letters</i> , <b>2005</b> , 2, 118-120	4.1	7
25	Equal-gain and maximal-ratio combining over nonidentical Weibull fading channels. <i>IEEE Transactions on Wireless Communications</i> , <b>2005</b> , 4, 841-846	9.6	48
24	Spectral efficiency for selection combining RAKE receivers over Weibull fading channels. <i>Journal of the Franklin Institute</i> , <b>2005</b> , 342, 7-13	4	4
23	Average output SNR of equal-gain diversity receivers over correlative Weibull fading channels. <i>European Transactions on Telecommunications</i> , <b>2005</b> , 16, 521-525		9
22	Spectral efficiency of a cellular MC/DS-SS-CDMA system in Rayleigh fading. <i>International Journal of Communication Systems</i> , <b>2005</b> , 18, 795-801	1.7	6
21	Error-rate analysis of switched diversity receivers in Weibull fading. <i>Electronics Letters</i> , <b>2004</b> , 40, 681	1.1	20
20	Performance analysis of dual selection diversity in correlated Weibull fading channels. <i>IEEE Transactions on Communications</i> , <b>2004</b> , 52, 1063-1067	6.9	78

19	Average channel capacity for generalized-selection combining RAKE receivers. <i>European Transactions on Telecommunications</i> , <b>2004</b> , 15, 497-500		4
18	On the detection of acoustic and electromagnetic signals before fracture of dielectric crystalline materials. <i>IEEE Geoscience and Remote Sensing Letters</i> , <b>2004</b> , 1, 162-165	4.1	5
17	Channel capacity and second-order statistics in Weibull fading. <i>IEEE Communications Letters</i> , <b>2004</b> , 8, 377-379	3.8	94
16	Optimal hop number of adaptive hybrid DS/FH CDMA in Rayleigh fading. <i>Electronics Letters</i> , <b>2003</b> , 39, 557	1.1	2
15	Selection diversity receivers in Weibull fading: outage probability and average signal-to-noise ratio. <i>Electronics Letters</i> , <b>2003</b> , 39, 1859	1.1	39
14	Spectral efficiency of adaptive hybrid DS/FH CDMA in Rayleigh fading. <i>Electronics Letters</i> , <b>2003</b> , 39, 145	1.1	5
13	Average channel capacity for Rake receivers. <i>Electronics Letters</i> , <b>2002</b> , 38, 475	1.1	11
12	Spectral efficiency for a hybrid DS/FH code-division multiple-access system in cellular mobile radio. <i>IEEE Transactions on Vehicular Technology</i> , <b>2001</b> , 50, 1321-1327	6.8	20
11	Description of a Differential Pulse-Frequency Modulator. <i>Analog Integrated Circuits and Signal Processing</i> , <b>1999</b> , 19, 295-301	1.2	
10	Comparative estimate of user capacity for FDMA and direct-sequence CDMA in mobile radio. <i>International Journal of Electronics</i> , <b>1997</b> , 83, 133-144	1.2	7
9	Spectral efficiency of direct-sequence code-division multiple-access in cellular mobile radio. <i>International Journal of Communication Systems</i> , <b>1997</b> , 10, 247-252	1.7	5
8	. <i>IEEE Journal of Quantum Electronics</i> , <b>1995</b> , 31, 183-189	2	16
7	A line coding format for the output of a two-digit adaptive delta modulation system. <i>International Journal of Electronics</i> , <b>1992</b> , 73, 263-270	1.2	1
6	An externally triggered CMOS triangular pulse generator. <i>International Journal of Electronics</i> , <b>1992</b> , 73, 615-620	1.2	2
5	1-Bit delayed encoding improves continuously variable slope delta modulator performance. <i>International Journal of Electronics</i> , <b>1992</b> , 73, 549-554	1.2	
4	Implementation of a two-digit adaptive delta modulator. <i>International Journal of Electronics</i> , <b>1990</b> , 69, 767-776	1.2	2
3	New adaptation algorithm for a two-digit adaptive delta modulation system. <i>International Journal of Electronics</i> , <b>1990</b> , 68, 343-349	1.2	8
2	Running average error reduces overload noise in delayed delta-modulation systems. <i>International Journal of Electronics</i> , <b>1988</b> , 65, 1105-1115	1.2	

- 1 Delayed encoding delta-modulation system with optimum performance. *International Journal of Electronics*, **1985**, 59, 343-354

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