

JosÃ© MarÃ­a Garrido Balsells

List of Publications by Year in descending order

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31
papers

769
citations

623734

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31
all docs

31
docs citations

31
times ranked

479
citing authors

#	ARTICLE	IF	CITATIONS
1	Physical-Layer Security in Free-Space Optical Communications. IEEE Photonics Journal, 2015, 7, 1-14.	2.0	165
2	Impact of pointing errors on the performance of generalized atmospheric optical channels. Optics Express, 2012, 20, 12550.	3.4	142
3	General analytical expressions for the bit error rate of atmospheric optical communication systems. Optics Letters, 2011, 36, 4095.	3.3	63
4	On the capacity of $\hat{\alpha},^3$ -distributed atmospheric optical channels. Optics Letters, 2013, 38, 3984.	3.3	50
5	Performance Analysis of a Hybrid QAM-MPPM Technique Over Turbulence-Free and Gamma-Gamma Free-Space Optical Channels. Journal of Optical Communications and Networking, 2017, 9, 161.	4.8	49
6	Hybrid optical CDMA-FSO communications network under spatially correlated gamma-gamma scintillation. Optics Express, 2016, 24, 16799.	3.4	33
7	Novel formulation of the $\hat{\alpha},^3$ model through the Generalized-K distribution for atmospheric optical channels. Optics Express, 2015, 23, 6345.	3.4	32
8	850-nm hybrid fiber/free-space optical communications using orbital angular momentum modes. Optics Express, 2015, 23, 33721.	3.4	24
9	An efficient rate-adaptive transmission technique using shortened pulses for atmospheric optical communications. Optics Express, 2010, 18, 17346.	3.4	21
10	Spatially correlated gamma-gamma scintillation in atmospheric optical channels. Optics Express, 2014, 22, 21820.	3.4	20
11	Performance analysis of FSO communications under LOS blockage. Optics Express, 2017, 25, 25278.	3.4	20
12	Error probability analysis of OOK and variable weight MPPM coding schemes for underwater optical communication systems affected by salinity turbulence. OSA Continuum, 2018, 1, 1131.	1.8	18
13	Numerical model for the temporal broadening of optical pulses propagating through weak atmospheric turbulence. Optics Letters, 2009, 34, 3662.	3.3	16
14	Variable weight MPPM technique for rate-adaptive optical wireless communications. Electronics Letters, 2006, 42, 43.	1.0	15
15	Capacity of underwater optical wireless communication systems over salinity-induced oceanic turbulence channels with ISI. Optics Express, 2021, 29, 23142.	3.4	14
16	Fade statistics of $\hat{\alpha},^3 \mathcal{M}$ -turbulent optical links. Eurasip Journal on Wireless Communications and Networking, 2017, 2017, .	2.4	13
17	On the scattering-induced fading for optical wireless links through seawater: statistical characterization and its applications. Optics Express, 2021, 29, 37101.	3.4	12
18	Closed-form BER analysis of variable weight MPPM coding under gamma-gamma scintillation for atmospheric optical communications. Optics Letters, 2012, 37, 719.	3.3	11

#	ARTICLE	IF	CITATIONS
19	SER Analysis of MPPM-Coded MIMO-FSO System over Uncorrelated and Correlated Gamma-Gamma Atmospheric Turbulence Channels. Optics Communications, 2015, 356, 530-535.	2.1	11
20	Closed-form expressions for the lower-bound performance of variable weight multiple pulse-position modulation optical links through turbulent atmospheric channels. IET Communications, 2012, 6, 390.	2.2	7
21	General analytical expressions for the bit error rate of atmospheric optical communication systems: erratum. Optics Letters, 2014, 39, 5896.	3.3	7
22	Rate-adaptive transmission schemes in the context of runlength-limited codes for optical wireless communications. IEEE Communications Letters, 2005, 9, 787-789.	4.1	5
23	General closed-form bit-error rate expressions for coded M-distributed atmospheric optical communications. Optics Letters, 2015, 40, 2937.	3.3	5
24	Performance analysis of atmospheric optical communication systems with spatial diversity affected by correlated turbulence. Journal of Optical Communications and Networking, 2022, 14, 524.	4.8	4
25	Performance Analysis of M-atmospheric FSO Links. , 2016, , .		3
26	On the capacity of M-distributed atmospheric optical channels: erratum. Optics Letters, 2014, 39, 653.	3.3	2
27	Advantages of solitonic shape pulses for full-optical wireless communication links. Chinese Optics Letters, 2012, 10, 040101-40103.	2.9	2
28	Asynchronous Free-Space Optical CDMA Communications System for Last-mile Access Networks. , 2016, , .		2
29	Spectral characterisation of variable weight MPPM modulation technique. Electronics Letters, 2006, 42, 1109.	1.0	1
30	Improving RCPC Codes in Rate-Adaptive Optical Wireless Communications Systems. Wireless Personal Communications, 2013, 69, 879-889.	2.7	1
31	Performance Evaluation of Atmospheric Optical Communications Links Affected by Generalized MÃ¡laga Turbulence Model. Wireless Personal Communications, 2017, 95, 557-567.	2.7	1