

Joaquin Perez

List of Publications by Year in descending order

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57
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57
docs citations

57
times ranked

759
citing authors

#	ARTICLE	IF	CITATIONS
1	Ultra-Wideband Radio Signals Distribution in FTTH Networks. IEEE Photonics Technology Letters, 2008, 20, 945-947.	2.5	122
2	Performance Analysis of Ethernet/Fast-Ethernet Free Space Optical Communications in a Controlled Weak Turbulence Condition. Journal of Lightwave Technology, 2012, 30, 2188-2194.	4.6	71
3	Enhancing the Atmospheric Visibility and Fog Attenuation Using a Controlled FSO Channel. IEEE Photonics Technology Letters, 2013, 25, 1262-1265.	2.5	51
4	Experimental characterization and mitigation of turbulence induced signal fades within an ad hoc FSO network. Optics Express, 2014, 22, 3208.	3.4	44
5	Ethernet FSO Communications Link Performance Study Under a Controlled Fog Environment. IEEE Communications Letters, 2012, 16, 408-410.	4.1	42
6	Girls4STEM: Gender Diversity in STEM for a Sustainable Future. Sustainability, 2020, 12, 6051.	3.2	36
7	Combined effect of turbulence and aerosol on free-space optical links. Applied Optics, 2017, 56, 336.	2.1	31
8	Polarization Division Multiplexing of OFDM Radio-over-Fiber Signals in Passive Optical Networks. Advances in Optical Technologies, 2014, 2014, 1-9.	0.8	27
9	Wireless Energy and Information Transmission in FSO and RF-FSO Links. IEEE Wireless Communications Letters, 2018, 7, 90-93.	5.0	27
10	Route diversity analyses for free-space optical wireless links within turbulent scenarios. Optics Express, 2013, 21, 7641.	3.4	22
11	Optimization of Optical Modulator for LTE RoF in Nonlinear Fiber Propagation. IEEE Photonics Technology Letters, 2012, 24, 617-619.	2.5	21
12	Comparison of 830 nm and 1550 nm based free space optical communications link under controlled fog conditions. , 2012, , .		18
13	Analysis of fog and smoke attenuation in a free space optical communication link under controlled laboratory conditions. , 2012, , .		17
14	Joint Distribution of Polarization-Multiplexed UWB and WiMAX Radio in PON. Journal of Lightwave Technology, 2009, 27, 1912-1919.	4.6	16
15	Experimental validation of fog models for FSO under laboratory controlled conditions. , 2013, , .		16
16	Optical Distribution of OFDM and Impulse-Radio UWB in FTTH networks. , 2008, , .		13
17	Indoor free space optics link under the weak turbulence regime: measurements and model validation. IET Communications, 2015, 9, 62-70.	2.2	13
18	Coexistence of WiMAX 802.16d and MB-OFDM UWB in radio over multi-mode fiber indoor systems. , 2008, , .		12

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19	MWP phase shifters integrated in PbS-SU8 waveguides. Optics Express, 2015, 23, 14351.	3.4	11
20	On the performance of a linearized dual parallel Mach-Zehnder electro-optic modulator. Optics Communications, 2014, 318, 212-215.	2.1	10
21	Performance Study of Split Ferrite Cores Designed for EMI Suppression on Cables. Electronics (Switzerland), 2020, 9, 1992.	3.1	10
22	Design and Study of a Wide-Band Printed Circuit Board Near-Field Probe. Electronics (Switzerland), 2021, 10, 2201.	3.1	10
23	Photonic generation and frequency up-conversion of impulse-radio UWB signals. , 2008, , .		9
24	Characterisation of DNA biopolymer-based UV photodetector fabricated by inkjet printing. Electronics Letters, 2015, 51, 778-780.	1.0	9
25	On the evaluation of an optical OFDM radio over FSO system with IM-DD for high-speed indoor communications. , 2017, , .		9
26	Investigation of data encryption impact on broadcasting visible light communications. , 2014, , .		7
27	Application of Radio Environment Map Reconstruction Techniques to Platoon-based Cellular V2X Communications. Sensors, 2020, 20, 2440.	3.8	7
28	Combined Analysis of OFDM-UWB Transmission in Hybrid Wireless-Optical Access Networks. IEEE Photonics Technology Letters, 2009, 21, 1378-1380.	2.5	6
29	Analyses of dual polarization WDM and SCM Radio over Fiber and Radio over FSO for C-RAN architecture. , 2016, , .		6
30	Photonic generation and envelope detection of millimeter-wave ultra-wideband impulse-radio employing Mach-Zehnder modulators. , 2009, , .		5
31	Hybrid UWB and WiMAX radio-over-multi-mode fibre for in-building optical networks. Journal of Optics (United Kingdom), 2014, 16, 015401.	2.2	5
32	Performance evaluation of OFDM and impulse-radio ultra-wideband over fiber distribution for in-building networks. , 2009, , .		4
33	Experimental Analysis of 3.5 GHz WiMAX 802.16e Interference in WiMedia-defined UWB Radio Transmissions. , 2009, , .		4
34	On the Use of Composite Indicators for Mobile Communications Network Management in Smart Sustainable Cities. Applied Sciences (Switzerland), 2021, 11, 181.	2.5	4
35	Protection margins for joint operation of WiMAX 802.16e and WiMedia-defined UWB radio in personal area networks. , 2009, , .		3
36	Multicore fiber opportunities for Centralized Radio Access Networks. , 2014, , .		3

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37	Error mitigation using RaptorQ codes in an experimental indoor free space optical link under the influence of turbulence. IET Communications, 2015, 9, 1800-1806.	2.2	3
38	Continuous Broadband MWP True-Time Delay With PbS-PMMA and PbS-SU8 Waveguides. IEEE Photonics Technology Letters, 2016, 28, 1657-1660.	2.5	3
39	Transmission of 1.2 Gbit/s Polarization-Multiplexed UWB Signals in PON with 0.76 Bit/s/Hz Spectral Efficiency. , 2009, , .		2
40	A Fast Ethernet FSO Link Performance Under the Fog Controlled Environment. , 2011, , .		2
41	Hysteresis properties induced by variable polarization angle in the polarization switching of VCSELs. , 2014, , .		2
42	Characterization of dual-polarization analogue radio over fiber fronthaul for LTE C-RAN architecture. , 2016, , .		2
43	Integrated performance analysis of UWB wireless optical transmission in FTTH networks. , 2008, , .		1
44	UMTS radio-over-fiber pico-cell interconnection employing uncooled DFB lasers for multi-mode fibre modulation bandwidth enhancement. , 2009, , .		1
45	Laboratory and outdoor availability and spatial coherence tests of wireless optical links. , 2013, , .		1
46	Effect of multi-channel MB-OFDM UWB radio-over-fiber transmission using polarization multiplexed distribution in FTTH networks. , 2010, , .		1
47	Incorporando dispositivos de radio definida por software en la materia de Comunicaciones Digitales: del grupo piloto a la gran clase. , 0, , .		1
48	Linear crosstalk spectral analysis in DWDM networks by a real-time optical Fourier transformer. , 2005, , .		0
49	Long-term and Short-term Spectral Stability Characterization of Supercontinuum Laser Sources. , 2006, , .		0
50	Impact of pilot tone-assisted equalization in Wimedia-defined OFDM-UWB signals transmission in FTTH networks. , 2008, , .		0
51	Polarization RIN of VCSEL subject to modulation signal with variable polarization angle of optical feedback. , 2015, , .		0
52	MWP true time delay implemented in PbS-SU8 waveguides. , 2015, , .		0
53	AIR QUALITY DETECTION AND ALERT SYSTEM AS PREVENTING COVID-19 TRANSMISSION METHOD IN EDUCATIONAL CENTERS. INTED Proceedings, 2021, , .	0.0	0
54	EDUCATIONAL ROBOTICS PLATFORM BASED ON PSOC TECHNOLOGY FOR TEACHING ELECTRONIC INTEGRATED SYSTEMS. INTED Proceedings, 2021, , .	0.0	0

#	ARTICLE	IF	CITATIONS
55	Aprendizaje basado en proyectos en los laboratorios de comunicaciones digitales. , 0, , .		0
56	RF Acquisition System Based on $\hat{1}/4$ TCA for Testing of High-Gradient Acceleration Cavities. Electronics (Switzerland), 2022, 11, 720.	3.1	0