

Gabriel Campuzano

List of Publications by Year in descending order

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37
papers

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1307594

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16
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37
all docs

37
docs citations

37
times ranked

324
citing authors

#	ARTICLE	IF	CITATIONS
1	Millimeter-Wave Frequency Radio over Fiber Systems: A Survey. IEEE Communications Surveys and Tutorials, 2013, 15, 1593-1619.	39.4	174
2	Phase-Insensitive RF Envelope Detection Allows Optical Heterodyning of MHz-Linewidth Signals. IEEE Photonics Technology Letters, 2013, 25, 2193-2196.	2.5	17
3	A survey of key-enabling components for remote millimetric wave generation in radio over fiber networks. Optics and Laser Technology, 2013, 49, 213-226.	4.6	11
4	Compensation of nonlinear distortion in coherent optical OFDM systems using a MIMO deep neural network-based equalizer. Optics Letters, 2020, 45, 5820.	3.3	11
5	A Tutorial on Optical Feeding of Millimeter-Wave Phased Array Antennas for Communication Applications. International Journal of Antennas and Propagation, 2015, 2015, 1-22.	1.2	10
6	Periodic and aperiodic pulse generation using optically injected DFB laser. Electronics Letters, 2015, 51, 280-282.	1.0	9
7	Impact of partial phase decorrelation on the performance of pilot-assisted millimeter-wave RoF-OFDM systems. Physical Communication, 2018, 26, 106-115.	2.1	9
8	High reliability and availability in radio over fiber networks. Journal of Optical Networking, 2008, 7, 603.	2.5	8
9	Simultaneous generation of wavelength division multiplexing PON and RoF signals using a hybrid mode-locked laser. Optical Fiber Technology, 2015, 23, 53-60.	2.7	8
10	Analysis of optical-injected distributed feedback lasers using complex optical low-coherence reflectometry. IEEE Photonics Technology Letters, 2003, 15, 1683-1685.	2.5	7
11	General nyquist-I pulses to mitigate carrier frequency offset in DVB-C-OFDM systems. , 2017, , .		7
12	BER reduction in OFDM systems susceptible to ICI using the exponential linear pulse. , 2017, , .		6
13	Photonic millimeter-wave bridge for multi-Gbps passive optical networks. Physical Communication, 2018, 28, 138-146.	2.1	6
14	Performance of digital modulation formats in radio over fiber systems based on the sideband injection locking technique. , 2009, , .		5
15	Novel cost-effective PON-to-RoF photonic bridge for multigigabit access networks. Optics Express, 2013, 21, 31809.	3.4	4
16	Mitigated ICI in DVB-C2-OFDM systems utilizing the optimal improved double jump 1 filter. , 2017, , .		4
17	Range Extension in Coherent OFDM Passive Optical Networks Using an Inverse Hammerstein Nonlinear Equalizer. Journal of Optical Communications and Networking, 2017, 9, 577.	4.8	3
18	Optimization of OFDM Parameters for 10-Gbps Long Reach Coherent PONs. , 2019, , .		3

#	ARTICLE	IF	CITATIONS
19	Novel cost-effective PON-to-mm-wave RoF photonic bridge for multigigabit access networks. , 2013, , .		2
20	Cost-efficient OFDM generation at 60-GHz by heterodyne technique with direct modulation and envelope detector. , 2013, , .		2
21	Phase noise insensitivity of RF envelope detection and its application to OFDM radio over fiber systems. Optics and Laser Technology, 2014, 58, 139-144.	4.6	2
22	Analysis of the modulation impairments in optical sideband injection locking for millimeter-wave signal generation. Optics and Laser Technology, 2014, 56, 167-176.	4.6	2
23	Radio over Fiber Access Networks for Broadband Wireless Communications. , 0, , 235-263.		2
24	An integrated availability analysis of RoF networks. , 2008, , .		1
25	Generation of OFDM signals in the 60 GHz band using the sideband injection locking technique for radio over fiber. , 2012, , .		1
26	Design framework for mm-wave frequency Radio-over-Fiber broadband wireless communication. , 2013, , .		1
27	Impact of the gain model on the stability assessment in semiconductor DFB lasers. , 2014, , .		1
28	Simultaneous generation of WDM PON and RoF signals using a hybrid mode-locked laser. , 2014, , .		1
29	Impact of the mobile terminal scheme on millimeter-wave radio over fiber systems based on photonic heterodyning techniques. Optical and Quantum Electronics, 2017, 49, 1.	3.3	1
30	Design principles of injection-locked semiconductor laser structures. , 2008, , .		0
31	Black Box over IP: A development framework for extending VoIP technologies to the aviation industry. , 2008, , .		0
32	Real-time traffic, handoff, and outage modeling in high RF pico cells. , 2011, , .		0
33	Self-referenced technique for monitoring and analysing the non-linear dynamics of semiconductor lasers. Optics Express, 2014, 22, 16528.	3.4	0
34	Optical feeding and steering of a millimeter-wave phased array antenna using a hybrid mode-locked laser. , 2015, , .		0
35	Periodic and aperiodic pulsation regimes in optically injected distributed feedback lasers. , 2015, , .		0
36	Knowledge-based framework for the design of millimeter-wave (60ÂGHz) radio over fiber land networks. Photonic Network Communications, 2015, 30, 234-260.	2.7	0

#	ARTICLE	IF	CITATIONS
37	Numerical analysis of pulsing regimes near static borders of optically injected semiconductor lasers. Applied Optics, 2022, 61, 2634.	1.8	0