

Valter Ferrero

List of Publications by Year in descending order

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32
papers

732
citations

687363

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642732

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32
all docs

32
docs citations

32
times ranked

475
citing authors

#	ARTICLE	IF	CITATIONS
1	Angle of arrival fluctuations for free space laser beam propagation through non kolmogorov turbulence. , 2007, , .		148
2	Narrow Linewidth CW Laser Phase Noise Characterization Methods for Coherent Transmission System Applications. Journal of Lightwave Technology, 2008, 26, 3048-3055.	4.6	91
3	Free Space Optical System Performance for a Gaussian Beam Propagating Through Non-Kolmogorov Weak Turbulence. IEEE Transactions on Antennas and Propagation, 2009, 57, 1783-1788.	5.1	76
4	Scintillation index of optical plane wave propagating through non-Kolmogorov moderate-strong turbulence. , 2007, , .		42
5	Optical Phase Locking techniques: an overview and a novel method based on Single Side Sub-Carrier modulation. Optics Express, 2008, 16, 818.	3.4	39
6	Optimization of Band-Limited DSP-Aided 25 and 50 Gb/s PON Using 10G-Class DML and APD. Journal of Lightwave Technology, 2020, 38, 608-618.	4.6	31
7	Free space optical system performance for laser beam propagation through non Kolmogorov turbulence for uplink and downlink paths. Proceedings of SPIE, 2007, , .	0.8	30
8	Optical phase-locked loop for coherent detection optical receiver. Electronics Letters, 2004, 40, 384.	1.0	29
9	Impact of the Overall Electrical Filter Shaping in Next-Generation 25 and 50 Gb/s PONs. Journal of Optical Communications and Networking, 2018, 10, 493.	4.8	28
10	Free space optical system performance for laser beam propagation through non-Kolmogorov turbulence. , 2007, , .		27
11	Optimization of Reflective FDMA-PON Architecture to Achieve 32 Gb/s Per Upstream Wavelength Over 31 dB ODN Loss. Journal of Lightwave Technology, 2015, 33, 474-480.	4.6	26
12	EDFA gain transients: experimental demonstration of a low cost electronic control. IEEE Photonics Technology Letters, 2003, 15, 1351-1353.	2.5	23
13	100 Gbps PON downstream O- and C-band alternatives using direct-detection and linear-impairment equalization [Invited]. Journal of Optical Communications and Networking, 2021, 13, A111.	4.8	21
14	Design, Analysis and Experimental Testing of BPSK Homodyne Receivers Based on Subcarrier Optical Phase-Locked Loop. Journal of Lightwave Technology, 2008, 26, 552-559.	4.6	14
15	Optimization of self-coherent reflective PON to achieve a new record 42 dB ODN power budget after 100 km at 125 Gbps. Optics Express, 2012, 20, 29590.	3.4	14
16	Single-Wavelength Downstream FDMA-PON at 32 Gbps and 34 dB ODN Loss. IEEE Photonics Technology Letters, 2015, 27, 774-777.	2.5	13
17	100+ Gbps 50 km C-Band Downstream PON Using CD Digital Pre-Compensation and Direct-Detection ONU Receiver. Journal of Lightwave Technology, 2020, 38, 6807-6816.	4.6	12
18	Phase Noise Power Spectral Density Measurement of Narrow Linewidth CW Lasers Using an Optical Phase-Locked Loop. IEEE Photonics Technology Letters, 2006, 18, 2529-2531.	2.5	11

#	ARTICLE	IF	CITATIONS
19	Experimental Demonstration of 100 Gbps/s C-Band Direct-Detection Downstream PON Using Non-Linear and CD Compensation with 29 dB+ OPL Over 0 Kmâ€“100 Km. Journal of Lightwave Technology, 2022, 40, 547-556.	4.6	11
20	100 Gbps/s C-Band CD Digital Pre-Compensated and Direct-Detection Links With Simple Non-Linear Compensation. IEEE Photonics Journal, 2021, 13, 1-8.	2.0	9
21	A 20-Gb/s Quadrature Phase-Shift-Keying Real-Time Coherent System Based on a Subcarrier Optical Phase-Locked Loop. IEEE Photonics Technology Letters, 2009, 21, 1296-1298.	2.5	8
22	Overview of the FABULOUS EU Project: Final System Performance Assessment With Discrete Components. Journal of Lightwave Technology, 2016, 34, 798-804.	4.6	8
23	Demonstration of a Partially Integrated Silicon Photonics ONU in a Self-Coherent Reflective FDMA PON. Journal of Lightwave Technology, 2017, 35, 1307-1312.	4.6	6
24	Long-Term PMD Characterization of a Metropolitan G.652 Fiber Plant. Journal of Lightwave Technology, 2006, 24, 4022-4029.	4.6	5
25	Experimental Study on 25 Gbps C-Band PON over up to 25 km SMF Using a 10G-Class DML + APD IM-DD System. Photonics, 2021, 8, 328.	2.0	4
26	Current Trends towards PON systems at 50+ Gbps. , 2020, , .		3
27	Dynamically Tunable Laser Phase Noise Characterization and Use in a 10-Gb/s Optical Coherent Transmission System. IEEE Photonics Technology Letters, 2008, 20, 378-380.	2.5	1
28	Real-time transmission experiments for the FDMA-PON conceived within FABULOUS european project. , 2015, , .		1
29	200 Gbps/s PON Downstream C-Band Direct-Detection Links with 29 dB Power Budget. Applied Sciences (Switzerland), 2022, 12, 3538.	2.5	1
30	Title is missing!. Wireless Personal Communications, 2000, 14, 165-182.	2.7	0
31	A Novel Optical Phase Locking technique based on Single Side Sub-Carrier modulation. , 2008, , .		0
32	Free space optical communication flight mission: simulations and experimental results on ground level demonstrator. Proceedings of SPIE, 2009, , .	0.8	0