Henrique J A Da Silva

List of Publications by Year
in descending order

71	558	1040056 9	794594 19
papers	citations	h-index	g-index

74	74	74	378
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Enhanced Modal Tracking for Characteristic Modes. IEEE Transactions on Antennas and Propagation, 2019, 67, 356-360.	5.1	13
2	Power optimized OSSB modulation to support multi-band OFDM services along hybrid long-reach WDM-PONs. Optical Fiber Technology, 2015, 23, 129-136.	2.7	3
3	Impact of inter-modal four-wave mixing on the performance of mode- and wavelength-division-multiplexing systems. , 2015, , .		1
4	LTE signals transmission with modulation efficiency and robustness against chromatic dispersion improved based on DEMZM modulation in cloud-RoF access networks. , 2014, , .		1
5	Design of Few-Mode Fibers With M-modes and Low Differential Mode Delay. Journal of Lightwave Technology, 2014, 32, 353-360.	4.6	72
6	Error probability upper bound for perfect sequences implemented with superâ€structured fibre Bragg gratings. IET Signal Processing, 2014, 8, 421-428.	1.5	2
7	Design of few-mode fibers with up to 12 modes and low differential mode delay. , 2014, , .		1
8	Reach Improvement of Mode Division Multiplexed Systems Using Fiber Splices. IEEE Photonics Technology Letters, 2013, 25, 1091-1094.	2.5	15
9	Corrections to "Impact of the modulation chirp of a DEMZM on the transmission of signals based on OFDM" [Feb 1, 2013 283-286]. IEEE Photonics Technology Letters, 2013, 25, 1087-1087.	2.5	1
10	Impact of the Modulation Chirp of a DEMZM on the Transmission of Signals Based on OFDM. IEEE Photonics Technology Letters, 2013, 25, 283-286.	2.5	6
11	Optical single sideband generation optimized to support multi-services OFDM over hybrid long-reach FTTH networks. , 2013, , .		1
12	Corrections to "Design of few-mode fibers with arbitrary and flattened differential mode delay" {Mar 1, 2013 438-441]. IEEE Photonics Technology Letters, 2013, 25, 787-787.	2.5	0
13	Design of Few-Mode Fibers With Arbitrary and Flattened Differential Mode Delay. IEEE Photonics Technology Letters, 2013, 25, 438-441.	2.5	30
14	Optimal design of perfect DFT sequences. Physical Communication, 2013, 7, 92-104.	2.1	2
15	On the dependence of differential mode delay in few-mode fibers on the number of modes. , 2013, , .		3
16	Investigation of wired and wireless services based on OFDM DSB-RC transmission in the presence of modulation chirp of a DEMZM. Optics Express, 2013, 21, 30764.	3.4	2
17	Driving a DEMZM to generate wired and wireless OFDM services in hybrid long-reach optical access networks. , 2013, , .		0
18	Crosstalk Optimization of Phase Masks for Mode Multiplexing in Few Mode Fibers. , 2012, , .		4

#	Article	IF	Citations
19	Expressions of the chirp parameter components for intensity modulation with a dual-electrode Mach-Zehnder modulator. , 2012, , .		2
20	Nonlinear Semi-Analytical Model for Simulation of Few-Mode Fiber Transmission. IEEE Photonics Technology Letters, 2012, 24, 240-242.	2.5	63
21	Semi-analytical model for linear modal coupling in few-mode fiber transmission. , 2012, , .		14
22	Orthogonal perfect discrete Fourier transform sequences. IET Signal Processing, 2012, 6, 107.	1.5	7
23	Performance of 10G-EPON. , 2011, 49, 78-85.		25
24	Prospects of supporting distributed antenna systems over next-generation optical access and metro-access networks. , 2011, , .		0
25	Dual band signal generation for millimeter-wave RoF systems with subcarrier multiplexing. , 2011, , .		0
26	Distribution of MB-OFDM UWB and millimeter-wave WPAN signals on hybrid FTTH networks. , 2011, , .		2
27	Perfect DFT sequences transformed into orthogonal sequences. , 2011, , .		0
28	Simulation performance of all-optical logic gate XOR at 40 Gbit/s using quantum-dot SOAs. , 2011, , .		2
29	Reconstruction of the non-minimum phase response of chirped fiber Bragg gratings using an adaptive genetic algorithm. , 2010, , .		0
30	On supporting multiple radio channels over a SCM-Based distributed antenna system: A feasibility assessment. , 2010, , .		0
31	Source traffic analysis. ACM Transactions on Multimedia Computing, Communications and Applications, 2010, 6, 1-23.	4.3	9
32	Alternative Zigbee codes derived from orthogonal perfect DFT sequences. , 2010, , .		0
33	Next generation PON systems - Current status. , 2009, , .		12
34	Generalized Chu polyphase sequences. , 2009, , .		12
35	Forward error correction in 10 Gbits/s Ethernet passive optical networks. Journal of Optical Networking, 2009, 8, 84.	2.5	5
36	Comparison of collision avoidance mechanisms for the discovery process in xPON. Journal of Optical Networking, 2009, 8, 317.	2.5	8

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37	10G-EPON efficiency. , 2009, , .		2
38	On using all-optical burst-mode power equalization in converged metro-access networks. , 2009, , .		1
39	Convergence of optical and millimeter-wave broadband wireless access networks. , 2009, , .		1
40	All-Optical Burst-Mode Power Equalizer Based on Cascaded SOAs for 10-Gb/s EPONs. IEEE Photonics Technology Letters, 2008, 20, 2078-2080.	2.5	24
41	Development of 10 Gb/s EPON in IEEE 802.3av. , 2008, 46, 40-47.		26
42	Discovery process for emerging 10 Gb/s EPONs. , 2008, 46, 82-90.		9
43	On supporting radio over fiber and passive optical network systems with a common fiber plant: Compatibility aspects. , 2008, , .		9
44	Using adapted visibility graphs for network planning. , 2008, , .		6
45	10G EPON Standardization in IEEE 802.3av Project. , 2008, , .		5
46	All-optical RZ-DPSK packet compressor and decompressor based on MZI-quantum-dot-SOA. , 2008, , .		1
47	Cross-Gain Modulation-based 2R Regenerator Using Quantum-Dot Semiconductor Optical Amplifiers at 160 Gbit/s. , 2007, , .		3
48	Impact of Mode-Partition Noise in the Performance of 10 Gbit/s Ethernet Passive Optical Networks. , 2007, , .		6
49	10G EPON Development Process. , 2007, , .		15
50	Overflow control mechanism (OCM) for Ethernet passive optical networks (EPONs). Journal of Optical Networking, 2007, 6, 490.	2.5	0
51	Fault discovery protocol for passive optical networks. Journal of Optical Networking, 2007, 6, 701.	2.5	1
52	Optimized passive optical network deployment. Journal of Optical Networking, 2007, 6, 1079.	2.5	16
53	Radio over fiber access network architecture employing reflective semiconductor optical amplifiers. , 2007, , .		15
54	Fault Discovery Protocol (FDP) for Passive Optical Networks (PONs). Proceedings - International Symposium on Computers and Communications, 2007, , .	0.0	0

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55	Performance Evaluation of Wavelength Conversion at 160 Gbit/s using XGM in Quantum-Dot Semiconductor Optical Amplifiers in MZI configuration. , 2007, , .		4
56	Source Line Load Equalization Methods for the Source Aggregation Algorithm (SAA). Proceedings - International Symposium on Computers and Communications, 2007, , .	0.0	0
57	On Efficiency of Ethernet Passive Optical Networks (EPONs). , 2006, , .		6
58	Performance evaluation of the physical layer for 10 Gbit/s ethernet passive optical networks. , 2006, , .		1
59	EPON versus APON and GPON: a detailed performance comparison. Journal of Optical Networking, 2006, 5, 298.	2.5	48
60	Flexible logical-link-identifier assignment policy for Ethernet passive optical networks based on extended multipoint-control-protocol DU flow control. Journal of Optical Networking, 2006, 5, 681.	2.5	4
61	Grid OBS Network with OCDMA-PON Control Plane & Inverted Gold Codes. , 2006, , .		0
62	Extended GATE/REPORT MPCP DUs for EPONs. , 2006, , .		0
63	Preamble Encryption Mechanism for Enhanced Privacy in Ethernet Passive Optical Networks. Lecture Notes in Computer Science, 2006, , 404-414.	1.3	1
64	EPON System Efficiency Evaluation with Extended GATE / REPORT MPCP DUs. , 2006, , .		3
65	Optical Communications Research at Institute of Telecommunications. Fiber and Integrated Optics, 2005, 24, 411-428.	2.5	2
66	Estimation of multiple-quantum-well laser parameters for simulation of dispersion supported transmission systems at 20 Gbit/s. IEE Proceedings: Optoelectronics, 1999, 146, 93-98.	0.8	3
67	Letter: Impact of double cavity FP demultiplexers on the performance of WDM dispersion supported transmission. European Transactions on Telecommunications, 1997, 8, 201-204.	1.2	0
68	Performance implications of three-mirror Fabry-Perot demultiplexers for 10-Gb/s WDM dispersion-supported transmission with 0.5-nm channel spacing. IEEE Photonics Technology Letters, 1996, 8, 1261-1263.	2.5	3
69	FM response of quantum-well lasers taking into account carrier transport effects. IEEE Photonics Technology Letters, 1995, 7, 857-859.	2.5	12
70	Performance assessment of two-channel dispersion-supported transmission systems using single- and double-cavity Fabry-Perot filters as demultiplexers. IEEE Photonics Technology Letters, 1995, 7, 1360-1362.	2.5	7
71	Soft orthogonal phase shift keying (SOPK) modulation with OVSF-MAC for UMTS. , 0, , .		0