

# Leonardo D Coelho

## List of Publications by Year in descending order

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Version: 2024-02-01

20  
papers

201  
citations

1684188

5  
h-index

2053705

5  
g-index

20  
all docs

20  
docs citations

20  
times ranked

254  
citing authors

#	ARTICLE	IF	CITATIONS
1	Reduced Complexity Digital Back-Propagation Methods for Optical Communication Systems. Journal of Lightwave Technology, 2014, 32, 1351-1362.	4.6	85
2	On the Effect of FWM in Coherent Optical OFDM Systems. , 2008, , .		27
3	Global Optimization of Fiber-Optic Communication Systems using Four-Dimensional Modulation Formats. , 2011, , .		23
4	Local and global approaches for the adaptive control of a cascade of amplifiers. Photonic Network Communications, 2017, 33, 194-207.	2.7	17
5	An algorithm for global optimization of optical communication systems. AEU - International Journal of Electronics and Communications, 2009, 63, 541-550.	2.9	14
6	Amplifier Adaptive Control of Operating Point Considering Non-Linear Interference. IEEE Photonics Technology Letters, 2018, 30, 573-576.	2.5	12
7	Modeling nonlinear phase noise in differentially phase-modulated optical communication systems. Optics Express, 2009, 17, 3226.	3.4	9
8	Global optimization of optical communication systems. , 2008, , .		5
9	Impact of nonlinear effects on the performance of 120 Gb/s 64 QAM optical system using adaptive control of cascade of amplifiers. , 2015, , .		4
10	Investigation of Spectral Tilt and OSNR in Cascade of EDFA with Linear Signal Power Pre-emphasis. , 2019, , .		3
11	Performance of Stereo Multiplexing in systems using direct detection with optimum dispersion maps. , 2010, , .		1
12	Pulse shaping using the discrete fourier transform for direct detection optical systems. , 2011, , .		1
13	160 Gbit/s soliton transmission in the S and C bands. , 0, , .		0
14	Exact Numerical Evaluation of Optical Receivers Using Advanced Modulation Formats. , 2006, , .		0
15	Impact of the fiber type arrangement on bidirectional mixed-fiber optical links. , 2017, , .		0
16	Impact Analysis of the Use of the Power Mask Spectrum Information in the Adaptive Control of Optical Amplifiers. , 2018, , .		0
17	Novel Evolutionary Planning Technique for Flexible-grid Transmission in Optical Networks. Optical Switching and Networking, 2021, 43, 100648.	2.0	0
18	Performance of Stereo Multiplexing in Single Channel and DWDM Systems Using Direct Detection with Optimum Dispersion Maps. Journal of Networks, 2012, 7, .	0.4	0

#	ARTICLE	IF	CITATIONS
19	Multi-objective Optimization of Amplifier Operating Point and Launch Signal Power Pre-emphasis in a Cascade of EDFAs. , 2021, , .		0
20	Analyzing the Objective Functions for Multi-Objective Optimization of the Amplifier Adaptive Control of Operating Point. , 2021, , .		0