Carsten Behrens

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/10962385/publications.pdf

Version: 2024-02-01

17	330	933447 10	1199594 12
papers	citations	h-index	g-index

17	17	17	332
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Mitigation of Fiber Nonlinearity Using a Digital Coherent Receiver. IEEE Journal of Selected Topics in Quantum Electronics, 2010, 16, 1217-1226.	2.9	112
2	Generation and long-haul transmission of polarization-switched QPSK at 429 Gb/s. Optics Express, 2011, 19, 9296.	3.4	38
3	Characterization of long-haul 112Gbit/s PDM-QAM-16 transmission with and without digital nonlinearity compensation. Optics Express, 2010, 18, 12939.	3.4	33
4	Pulse-shaping versus digital backpropagation in 224Gbit/s PDM-16QAM transmission. Optics Express, 2011, 19, 12879.	3.4	28
5	Shannon's theory in nonlinear systems. Journal of Modern Optics, 2011, 58, 1-10.	1.3	24
6	Nonlinear Transmission Performance of Higher-Order Modulation Formats. IEEE Photonics Technology Letters, 2011, 23, 377-379.	2.5	23
7	Nonlinear Distortion in Transmission of Higher Order Modulation Formats. IEEE Photonics Technology Letters, 2010, 22, 1111-1113.	2.5	15
8	Technologies for Convergence of Fixed and Mobile Access: An Operatorâ€™s Perspective [Invited]. Journal of Optical Communications and Networking, 2018, 10, A37.	4.8	14
9	Long-Haul Transmission of PS-QPSK at 100 Gb/s Using Digital Backpropagation. IEEE Photonics Technology Letters, 2012, 24, 176-178.	2.5	13
10	A comparison of modulation formats for passive optical networks. Optics Express, 2011, 19, B836.	3.4	12
11	Digital Signal Processing (DSP) and Its Application in Optical Communication Systems. , 2013, , 163-219.		7
12	Technologies for convergence of fixed and mobile access: An operator's perspective. , 2017, , .		4
13	Ultra-long-haul transmission of 7Ã—429 Gbit/s PS-QPSK and PDM-BPSK. Optics Express, 2011, 19, B581.	3.4	3
14	Long-haul WDM transmission of PDM-8PSK and PDM-8QAM with nonlinear DSP. , 2012, , .		2
15	Benefits of digital backpropagation in coherent QPSK and 16QAM fibre links. Proceedings of SPIE, 2010, , .	0.8	1
16	Ultra-long-haul transmission of 7Ã—42.9Gbit/s PS-QPSK and PM-BPSK. , 2011, , .		1
17	Benefits of Digital Backpropagation in Coherent QPSK and 16QAM Fibre Links. , 2010, , .		0