

Carsten Behrens

List of Publications by Year in descending order

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Version: 2024-02-01

17
papers

330
citations

933447

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1199594

12
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17
all docs

17
docs citations

17
times ranked

332
citing authors

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