

# Pawe Rosa

## List of Publications by Year in descending order

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32  
papers

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citations

933447

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940533

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docs citations

32  
times ranked

293  
citing authors

#	ARTICLE	IF	CITATIONS
1	Distributed Raman Amplification for Fiber Nonlinearity Compensation in a Mid-Link Optical Phase Conjugation System. <i>Sensors</i> , 2022, 22, 758.	3.8	10
2	Raman Amplification Optimization in Short-Reach High Data Rate Coherent Transmission Systems. <i>Sensors</i> , 2021, 21, 6521.	3.8	8
3	Unrepeated 240-km 64-QAM Transmission Using Distributed Raman Amplification over SMF Fiber. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 1433.	2.5	5
4	Enhancing the Signal Power Symmetry for Optical Phase Conjugation Using Erbium-Doped-Fibre-Assisted Raman Amplification. <i>IEEE Access</i> , 2020, 8, 222766-222773.	4.2	4
5	RIN Mitigation and Transmission Performance Enhancement With Forward Broadband Pump. <i>IEEE Photonics Technology Letters</i> , 2018, 30, 254-257.	2.5	17
6	Cell optimisation for transmission with ultralong laser amplification. , 2017, , .		0
7	Transmission Span Optimization in Fiber Systems With Cavity and Random Distributed Feedback Ultralong Raman Laser Amplification. <i>Journal of Lightwave Technology</i> , 2017, 35, 4967-4972.	4.6	7
8	Raman cell optimisation for distributed amplification based transmission systems. , 2017, , .		0
9	Raman fibre laser based amplification in long-haul/unrepeated coherent transmission systems. , 2017, , .		0
10	Unrepeated 64QAM over SMF-28 using Raman Amplification and Digital Backpropagation. , 2017, , .		2
11	Impact of input FBC reflectivity and forward pump power on RIN transfer in ultralong Raman laser amplifiers. <i>Optics Express</i> , 2016, 24, 29170.	3.4	25
12	Link optimization for DWDM transmission with an optical phase conjugation. <i>Optics Express</i> , 2016, 24, 16450.	3.4	6
13	The role of distributed Raman amplification in the times of the "capacity crunch", 2016, , .		0
14	Transmission performance improvement using random DFB laser based Raman amplification and bidirectional second-order pumping. <i>Optics Express</i> , 2016, 24, 2215.	3.4	85
15	Link optimisation for DWDM transmission with an optical phase conjugation. , 2016, , .		0
16	Nonlinear Inverse Synthesis for Optical Links With Distributed Raman Amplification. <i>Journal of Lightwave Technology</i> , 2016, 34, 1778-1786.	4.6	33
17	Impact of Front-FBG Reflectivity in Raman Fiber Laser Based Amplification. , 2016, , .		0
18	Extended Reach of 116 Gb/s DP-QPSK Transmission using Random DFB Fiber Laser Based Raman Amplification and Bidirectional Second-order Pumping. , 2015, , .		13

#	ARTICLE	IF	CITATIONS
19	Characterisation of random DFB Raman laser amplifier for WDM transmission. Optics Express, 2015, 23, 28634.	3.4	26
20	Signal power asymmetry optimisation for optical phase conjugation using Raman amplification. Optics Express, 2015, 23, 31772.	3.4	31
21	Modified nonlinear inverse synthesis for optical links with distributed Raman amplification. , 2015, , .		8
22	Unrepeated DP-QPSK Transmission Over 352.8 km SMF Using Random DFB Fiber Laser Amplification. IEEE Photonics Technology Letters, 2015, 27, 1189-1192.	2.5	76
23	Improved WDM performance of a fibre optical parametric amplifier using Raman-assisted pumping. Optics Express, 2015, 23, 902.	3.4	28
24	Optimisation of random DFB Raman laser amplifier. , 2015, , .		0
25	Evaluation of 100G DP-QPSK long-haul transmission performance using second order co-pumped Raman laser based amplification. Optics Express, 2015, 23, 22181.	3.4	48
26	Signal Power Symmetry Optimization for Optical Phase Conjugation Using Raman Amplification. , 2015, , .		1
27	RIN Mitigation in Second-Order Pumped Raman Fibre Laser Based Amplification. , 2015, , .		15
28	Signal Power Asymmetry Optimisation for Optical Phase Conjugation Using Random DFB Laser Raman Amplification. , 2015, , .		2
29	Exceeding the Nonlinear-Shannon Limit using Raman Laser Based Amplification and Optical Phase Conjugation. , 2014, , .		57
30	Unrepeated DPSK transmission over 360 km SMF-28 fibre using URFL based amplification. Optics Express, 2014, 22, 9687.	3.4	21
31	Nyquist-WDM PDM-QPSK transmission over SMF-28 fibre using URFL amplification. , 2014, , .		2
32	Long-haul Transmission Performance Evaluation of Ultra-long Raman Fibre Laser Based Amplification Influenced by Second Order Co-pumping. , 2014, , .		8