Zhi Tong

List of Publications by Year
in descending order

37 papers	1,207 citations	623734 14 h-index	642732 23 g-index
37 all docs	37 docs citations	37 times ranked	830 citing authors

#	Article	IF	Citations
1	Injection locking-based pump recovery for phase-sensitive amplified links. Optics Express, 2013, 21, 14512.	3.4	134
2	Noise performance of phase-insensitive frequency multicasting in parametric mixer with finite dispersion. Optics Express, 2013, 21, 17659.	3.4	110
3	Ultralow Noise, Broadband Phase-Sensitive Optical Amplifiers, and Their Applications. IEEE Journal of Selected Topics in Quantum Electronics, 2012, 18, 1016-1032.	2.9	109
4	Spectral linewidth preservation in parametric frequency combs seeded by dual pumps. Optics Express, 2012, 20, 17610.	3.4	108
5	Digital multi-channel stabilization of four-mode phase-sensitive parametric multicasting. Optics Express, 2014, 22, 18379.	3.4	105
6	Noise performance of optical fiber transmission links that use non-degenerate cascaded phase-sensitive amplifiers. Optics Express, 2010, 18, 15426.	3.4	87
7	OSNR Requirements for Self-Homodyne Coherent Systems. IEEE Photonics Technology Letters, 2010, 22, 91-93.	2.5	83
8	Broadband parametric multicasting via four-mode phase-sensitive interaction. Optics Express, 2012, 20, 19363.	3.4	78
9	Full characterization of the signal and idler noise figure spectra in single-pumped fiber optical parametric amplifiers. Optics Express, 2010, 18, 2884.	3.4	73
10	Detailed characterization of aâ€˜fiber-optic parametric amplifier in phase-sensitive and phase-insensitive operation. Optics Express, 2010, 18, 4130.	3.4	66
11	Low-noise optical amplification and signal processing in parametric devices. Advances in Optics and Photonics, 2013, 5, 318.	25.5	65
12	Modeling and measurement of the noise figure of a cascaded non-degenerate phase-sensitive parametric amplifier. Optics Express, 2010, 18, 14820.	3.4	51
13	Phase-to-phase and phase-to-amplitude transfer characteristics of a nondegenerate-idler phase-sensitive amplifier. Optics Letters, 2011, 36, 4356.	3.3	26
14	Use of a genetic algorithm to optimize multistage erbium-doped fiber-amplifier systems with complex structures. Optics Express, 2004, 12, 531.	3.4	20
15	Higher-capacity communication links based on two-mode phase-sensitive amplifiers. Optics Express, 2011, 19, 11977.	3.4	15
16	Phase-sensitive fiber-optic parametric amplifiers and their applications. , 2010, , .		12
17	Theoretical investigation and optimization of bi-directionally pumped broadband fiber Raman amplifiers. Optics Communications, 2003, 217, 401-413.	2.1	9
18	Phase-sensitive amplified DWDM DQPSK signals using free-running Lasers with 6-dB link SNR improvement over EDFA-based systems. , 2010, , .		9

#	ARTICLE	IF	CITATIONS
19	Comparison of different Raman amplification schemes in long-span fiber transmission systems with double Rayleigh backscattering. IEEE Photonics Technology Letters, 2003, 15, 1782-1784.	2.5	8
20	Experimental characterization of the phase squeezing properties of a phase-sensitive parametric amplifier in non-degenerate idler configuration. , 2010, , .		8
21	Investigation and optimization of bidirectionally dual-order pumped distributed Raman amplifiers. Optics Express, 2004, 12, 1794.	3.4	7
22	Raman-Induced Asymmetric Pump Noise Transfer in Fiber-Optical Parametric Amplifiers. IEEE Photonics Technology Letters, 2010, 22, 386-388.	2.5	6
23	Noise performance of phase-insensitive multicasting in multi-stage parametric mixers. Optics Express, 2013, 21, 804.	3.4	6
24	Optimal design of L-band EDFAs with high-loss inter-stage elements. Optics Communications, 2003, 224, 63-72.	2.1	3
25	Demonstration of 74 GHz Parametric Optical Sampled Analog-to-Digital Conversion. , 2013, , .		3
26	Conversion Efficiency and Crosstalk Optimization in Four-mode Phase-Sensitive Multicasting Mixer by Vectorial Phase Manipulation. , 2014, , .		2
27	Optimal Design of Multistage Discrete Raman Amplifiers Incorporating Midway Isolators. IEEE Photonics Technology Letters, 2004, 16, 2230-2232.	2.5	1
28	Noise figure non-reciprocity in fiber optical parametric amplifiers with zero-dispersion-wavelength variations. , 2010, , .		1
29	Generation of low-noise frequency replicas in parametric frequency combs via phase-sensitive process. Proceedings of SPIE, 2014, , .	0.8	1
30	Noise Performance of an Eight-Sideband Parametric Mixer. , 2012, , .		1
31	Bidirectionally dual-order pumped Raman amplifiers. , 2005, , .		0
32	Improvement in performance of L-band cladding pumped fiber amplifiers. , 2005, 6019, 253.		0
33	Impact of Zero-Dispersion-Wavelength Distributions on the Noise Figure Nonreciprocity of a Fiber Parametric Amplifier. IEEE Photonics Technology Letters, 2011, 23, 365-367.	2.5	0
34	Optical Phase-Sensitive Amplification: Towards Ultra-Low Noise Transmission Links. , 2012, , .		0
35	Demonstration of low-noise phase-sensitive amplification and multicasting. , 2013, , .		0
36	Low-noise optical frequency multicasting using multi-mode phase-sensitive interaction. , 2013, , .		0

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37	Optical Injection-Locking-Based Pump Recovery for Phase-Sensitively Amplified Links. , 2012, , .		0