

Xiaogang Chen

List of Publications by Year in descending order

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27
papers

1,440
citations

759055

12
h-index

940416

16
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27
docs citations

27
times ranked

994
citing authors

#	ARTICLE	IF	CITATIONS
1	Passive wavelength tuning and multichannel photonic coupling using monolithically integrated vertical microresonators on ridge waveguides. Applied Physics Letters, 2018, 112, .	1.5	9
2	Monolithic integration of vertical SiNx microrings on a ridge waveguide to achieve multi-channel photonic coupling. , 2017, , .		0
3	Enhanced axial confinement in a monolithically integrated self-rolled-up SiNx vertical microring photonic coupler. Applied Physics Letters, 2016, 109, .	1.5	10
4	Axial confinement in the monolithic integrated self-rolled-up vertical SiNx microring resonator on a ridge waveguide. , 2016, , .		0
5	Monolithically integrated self-rolled-up microtube-based vertical coupler for three-dimensional photonic integration. Applied Physics Letters, 2015, 107, .	1.5	33
6	An analytical model to investigate the resonant modes of the self-rolled-up microtube using conformal transformation. Optics Express, 2014, 22, 16363.	1.7	8
7	Engineering nonlinearities in nanoscale optical systems: physics and applications in dispersion-engineered silicon nanophotonic wires. Advances in Optics and Photonics, 2009, 1, 162.	12.1	221
8	Ultrahigh-Bandwidth Silicon Photonic Nanowire Waveguides for On-Chip Networks. IEEE Photonics Technology Letters, 2008, 20, 398-400.	1.3	128
9	Conformal dielectric overlayers for engineering dispersion and effective nonlinearity of silicon nanophotonic wires. Optics Letters, 2008, 33, 2889.	1.7	68
10	Nonlinear-Optical Phase Control in Dispersion-Engineered Si Photonic Wires. Optics Express, 2008, 16, 1280.	1.7	93
11	Supercontinuum generation in silicon photonic wires. , 2008, , .		5
12	Design and fabrication of an ultra-compact silicon on insulator demultiplexer based on arrayed waveguide gratings. , 2008, , .		0
13	Demonstration of 300 Gbps Error-Free Transmission of WDM Data Stream in Silicon Photonic Wires. , 2007, , .		5
14	Ultrahigh-Bandwidth WDM Signal Integrity in Silicon-on-Insulator Nanowire Waveguides. Conference Proceedings - Lasers and Electro-Optics Society Annual Meeting-LEOS, 2007, , .	0.0	1
15	Cross-phase modulation-induced spectral and temporal effects on co-propagating femtosecond pulses in silicon photonic wires. Optics Express, 2007, 15, 1135.	1.7	107
16	Supercontinuum generation in silicon photonic wires. Optics Express, 2007, 15, 15242.	1.7	180
17	Determination of Third-Order Dispersion Coefficient and Observation of Soliton Radiation in Si-Wire Waveguides. , 2007, , .		0
18	Third-Order Dispersion and Ultrafast-Pulse Propagation in Silicon Wire Waveguides. IEEE Photonics Technology Letters, 2006, 18, 2617-2619.	1.3	32

#	ARTICLE	IF	CITATIONS
19	Modulation instability in silicon photonic nanowires. Optics Letters, 2006, 31, 3609.	1.7	50
20	Self-phase-modulation in submicron silicon-on-insulator photonic wires. Optics Express, 2006, 14, 5524.	1.7	198
21	Ultrafast-pulse self-phase modulation and third-order dispersion in Si photonic wire-waveguides. Optics Express, 2006, 14, 12380.	1.7	134
22	Theory of Raman-Mediated Pulsed Amplification in Silicon-Wire Waveguides. IEEE Journal of Quantum Electronics, 2006, 42, 160-170.	1.0	157
23	Ultrafast Pulse Propagation in Zero-Dispersion Silicon Wire based OTDM System. , 2006, , .		0
24	Femtosecond pulse propagation in silicon photonic wires. , 2006, , .		0
25	Numerical Studies of Dispersion Properties of SOI Photonic Nanowires. , 2006, , .		1
26	XPM-induced modulation instability in SOI photonic nanowires. , 2006, , .		0
27	Raman-mediated pulsed amplification in silicon wires. , 2005, , .		0