

# Xinliang Zhang

## List of Publications by Year in Descending Order

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**Version:** 2024-04-10

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

598 papers	6,963 citations	37 h-index	50 g-index
870 ext. papers	9,228 ext. citations	3.4 avg, IF	6.26 L-index

#	Paper	IF	Citations
598	Bandwidth Tunable Optical Bandpass Filter Based on Parity-Time Symmetry.. <i>Micromachines</i> , <b>2022</b> , 13,	3.3	2
597	Parity-time symmetry in monolithically integrated graphene-assisted microresonators.. <i>Optics Express</i> , <b>2022</b> , 30, 2112-2121	3.3	0
596	Silicon-Based Integrated Terahertz Polarization Beam Splitters. <i>Journal of Lightwave Technology</i> , <b>2022</b> , 40, 170-178	4	0
595	Canalization acoustic phonon polaritons in metal-MoO <sub>3</sub> -metal sandwiched structures for nano-light guiding and manipulation. <i>Journal of Optics (United Kingdom)</i> , <b>2022</b> , 24, 024006	1.7	1
594	High-speed silicon integrated polarization stabilizer assisted by a polarimeter. <i>Journal of Lightwave Technology</i> , <b>2022</b> , 1-1	4	2
593	Electromagnetically induced transparency with a single optomechanical microring resonator.. <i>Optics Letters</i> , <b>2022</b> , 47, 1363-1366	3	0
592	Photonic matrix multiplication lights up photonic accelerator and beyond.. <i>Light: Science and Applications</i> , <b>2022</b> , 11, 30	16.7	17
591	Integrated photonic devices enabled by silicon traveling wave-like Fabry-Perot resonators.. <i>Optics Express</i> , <b>2022</b> , 30, 9450-9462	3.3	1
590	Ultrafast dynamic RF-spectrum investigation of soliton microcombs. <i>APL Photonics</i> , <b>2022</b> , 7, 046104	5.2	0
589	Generalized Modular Spectrometers Combining a Compact Nanobeam Microcavity and Computational Reconstruction. <i>ACS Photonics</i> , <b>2022</b> , 9, 74-81	6.3	1
588	All-Optical Nonlinear Activation Function Based on Germanium Silicon Hybrid Asymmetric Coupler. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , <b>2022</b> , 1-1	3.8	0
587	Compact and high Q-factor multimode racetrack ring resonator based on transformation optics.. <i>Optics Express</i> , <b>2022</b> , 30, 15766-15776	3.3	
586	Fast and high-resolution spectroscopy based on asynchronous optical sampling.. <i>Optics Express</i> , <b>2022</b> , 30, 15201-15210	3.3	
585	Performance improvement of frequency-domain light intensity spectrum analyzer (f-LISA). <i>Journal of Lightwave Technology</i> , <b>2022</b> , 1-1	4	
584	Tunable and Reconfigurable Microwave Photonic Bandpass Filter Based on Cascaded Silicon Microring Resonators. <i>Journal of Lightwave Technology</i> , <b>2022</b> , 1-1	4	0
583	Lateral-Zigzag PN Junction Enabled High-Efficiency Silicon Micro-Ring Modulator Working at 100Gb/s. <i>IEEE Photonics Technology Letters</i> , <b>2022</b> , 34, 525-528	2.2	0
582	An Electronic-Photonic Converged Adaptive-Tuning-Step Pipelined Time-Division-Multiplexing Control Scheme for Fast and Scalable Wavelength Locking of Micro-Rings. <i>Journal of Lightwave Technology</i> , <b>2022</b> , 1-1	4	

581	Parity-Time Symmetry Enabled Band-Pass Filter Featuring High Bandwidth-Tunable Contrast Ratio. <i>Photonics</i> , <b>2022</b> , 9, 380	2.2	0
580	Program-controlled single soliton microcomb source. <i>Photonics Research</i> , <b>2021</b> , 9, 66	6	10
579	Generation of reconfigurable linearly chirped microwave waveforms based on Fourier domain mode-locked optoelectronic oscillator. <i>Journal of Lightwave Technology</i> , <b>2021</b> , 1-1	4	2
578	Ultra-narrow passband-tunable filter based on a high-Q silicon racetrack resonator. <i>Optics Letters</i> , <b>2021</b> , 46, 5575-5578	3	2
577	Extraordinary Fast Forward and Backward Light in Transparent Non-Hermitian Systems. <i>Laser and Photonics Reviews</i> , <b>2021</b> , 15, 2000204	8.3	0
576	80 GHz germanium waveguide photodiode enabled by parasitic parameter engineering. <i>Photonics Research</i> , <b>2021</b> , 9, 605	6	3
575	2D Materials Enabled Next-Generation Integrated Optoelectronics: from Fabrication to Applications. <i>Advanced Science</i> , <b>2021</b> , 8, e2003834	13.6	13
574	CMOS-compatible integrated 4-f system for mode-transparent spatial manipulation. <i>Optics Letters</i> , <b>2021</b> , 46, 2220-2223	3	0
573	Synthesized soliton crystals. <i>Nature Communications</i> , <b>2021</b> , 12, 3179	17.4	15
572	Optical ranging system based on multiple pulse train interference using soliton microcomb. <i>Applied Physics Letters</i> , <b>2021</b> , 118, 261106	3.4	1
571	Segmented Cladding Fiber With a High-Index Ring in Core for Wideband Single-Mode Operation in Any Bending Orientation. <i>IEEE Photonics Journal</i> , <b>2021</b> , 13, 1-18	1.8	1
570	Antenna-integrated silicon plasmonic graphene sub-terahertz emitter. <i>APL Photonics</i> , <b>2021</b> , 6, 066102	5.2	0
569	Spectrogram of Carrier Transient in Semiconductor Optical Amplifier With Dispersive Pump-Probe Spectroscopy. <i>Journal of Lightwave Technology</i> , <b>2021</b> , 39, 4109-4117	4	
568	Electrical crosstalk suppression for a compact optical segmented modulator. <i>Optics Express</i> , <b>2021</b> , 29, 1764-1773	3.3	2
567	Precise dynamic characterization of microcombs assisted by an RF spectrum analyzer with THz bandwidth and MHz resolution. <i>Optics Express</i> , <b>2021</b> , 29, 2153-2161	3.3	3
566	Silicon integrated multi-mode ring resonator. <i>Nanophotonics</i> , <b>2021</b> , 10, 1265-1272	6.3	6
565	High Efficiency Electro-Optic Modulation in a Graphene Silicon Hybrid Tapered Microring Resonator. <i>IEEE Access</i> , <b>2021</b> , 9, 87869-87876	3.5	2
564	High-power Si-Ge photodiode assisted by doping regulation. <i>Optics Express</i> , <b>2021</b> , 29, 7389-7397	3.3	3

- 563 Free-carrier-assisted mid-infrared microcavity soliton generation. *Journal of Applied Physics*, **2021**, 129, 083106 2.5 1
- 562 Real-time observation of frequency Bloch oscillations with fibre loop modulation. *Light: Science and Applications*, **2021**, 10, 48 16.7 5
- 561 High-efficient and high-accurate integrated division-of-time polarimeter. *APL Photonics*, **2021**, 6, 071302 5.2 6
- 560 Ultrahigh-speed graphene-based optical coherent receiver. *Nature Communications*, **2021**, 12, 5076 17.4 10
- 559 Ghost hyperbolic surface polaritons in bulk anisotropic crystals. *Nature*, **2021**, 596, 362-366 50.4 22
- 558 Pure Temporal Dispersion for Aberration Free Ultrafast Time-Stretch Applications. *Journal of Lightwave Technology*, **2021**, 39, 5589-5597 4 3
- 557 Optical spatiotemporal differentiator using a bilayer plasmonic grating. *Optics Letters*, **2021**, 46, 4418-4421 3.2 2
- 556 Proposal and demonstration of a controllable Q factor in directly coupled microring resonators for optical buffering applications. *Photonics Research*, **2021**, 9, 2006 6 1
- 555 2D materials-based homogeneous transistor-memory architecture for neuromorphic hardware. *Science*, **2021**, 373, 1353-1358 33.3 46
- 554 On-chip terahertz isolator with ultrahigh isolation ratios. *Nature Communications*, **2021**, 12, 5570 17.4 9
- 553 Ultra-Compact Band-Pass and Band-Stop Tunable Filters Based on Loop-Cascaded Nanobeam Structure. *IEEE Photonics Technology Letters*, **2021**, 33, 1109-1112 2.2
- 552 Real-time observation of the thermo-optical and heat dissipation processes in microsphere resonators. *Optics Express*, **2021**, 29, 2402-2410 3.3 3
- 551 Ultra-Compact High-Speed Polarization Division Multiplexing Optical Receiving Chip Enabled by Graphene-on-Plasmonic Slot Waveguide Photodetectors. *Advanced Optical Materials*, **2021**, 9, 2001215 8.1 9
- 550 Numerical Investigation of Parametric Frequency Dependence in the Modeling of Octave-Spanning Kerr Frequency Combs. *IEEE Photonics Journal*, **2020**, 12, 1-9 1.8
- 549 Germanium Photodetector With Alleviated Space-Charge Effect. *IEEE Photonics Technology Letters*, **2020**, 32, 538-541 2.2 3
- 548 Self-Configuring and Reconfigurable Silicon Photonic Signal Processor. *ACS Photonics*, **2020**, 7, 792-799 6.3 13
- 547 Passive Visible-to-Telecom Converter Using Tunable Perovskites and Silicon Photonics. *Journal of Lightwave Technology*, **2020**, 38, 3533-3539 4 1
- 546 Efficient Optical Angular Momentum Manipulation for Compact Multiplexing and Demultiplexing Using a Dielectric Metasurface. *Advanced Optical Materials*, **2020**, 8, 1901666 8.1 27

545	Negative magnetization, complex magnetic ordering and applications of Cr-doped CoTiO. <i>Physical Chemistry Chemical Physics</i> , <b>2020</b> , 22, 7058-7064	3.6	5
544	Reconfigurable Fiber-Chip Mode Converter With Efficient Multi-Mode Coupling Function. <i>IEEE Photonics Technology Letters</i> , <b>2020</b> , 32, 371-374	2.2	5
543	Quantum Key Distribution with On-Chip Dissipative Kerr Soliton. <i>Laser and Photonics Reviews</i> , <b>2020</b> , 14, 1900190	8.3	22
542	Anisotropic polaritons in van der Waals materials. <i>Information Materials</i> , <b>2020</b> , 2, 777-790	23.1	12
541	Integrated Optical True Time Delay Network Based on Grating-Assisted Contradirectional Couplers for Phased Array Antennas. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , <b>2020</b> , 26, 1-7	3.8	3
540	Repetition rate multiplication control of micro-combs assisted by perfect temporal Talbot effect. <i>APL Photonics</i> , <b>2020</b> , 5, 046102	5.2	7
539	Advances in soliton microcomb generation. <i>Advanced Photonics</i> , <b>2020</b> , 2, 1	8.1	27
538	Wideband high-resolution spectral analysis assisted by soliton micro-combs <b>2020</b> ,		1
537	Multimode waveguide crossing with ultralow loss and low imbalance. <i>Optics Express</i> , <b>2020</b> , 28, 14705-14711	3.1	10
536	Tunable polarization beam splitter and broadband optical power sensor using hybrid microsphere resonators. <i>Optics Express</i> , <b>2020</b> , 28, 32847-32857	3.3	3
535	Deterministic design of focusing apodized subwavelength grating coupler based on weak form and transformation optics. <i>Optics Express</i> , <b>2020</b> , 28, 35395-35412	3.3	2
534	Ultracompact optical switch using a single semisymmetric Fano nanobeam cavity. <i>Optics Letters</i> , <b>2020</b> , 45, 2363-2366	3	8
533	Integrated mode-transparent polarization beam splitter supporting thirteen data channels. <i>Photonics Research</i> , <b>2020</b> , 8, 978	6	6
532	All-optical PtSe2 silicon photonic modulator with ultra-high stability. <i>Photonics Research</i> , <b>2020</b> , 8, 1189	6	5
531	Compact and broadband multimode waveguide bend by shape-optimizing with transformation optics. <i>Photonics Research</i> , <b>2020</b> , 8, 1843	6	10
530	On-chip arbitrary-mode spot size conversion. <i>Nanophotonics</i> , <b>2020</b> , 9, 4365-4372	6.3	11
529	Impact of third-order dispersion and three-photon absorption on mid-infrared time magnification via four-wave mixing in SiGe waveguides. <i>Applied Optics</i> , <b>2020</b> , 59, 1187-1192	1.7	0
528	Discrete optics in optomechanical waveguide arrays. <i>Optics Letters</i> , <b>2020</b> , 45, 4976-4979	3	3

527	Optical modulators based on 2D materials <b>2020</b> , 37-77		2
526	Spatial-Dependent Hamiltonian Formulation of Cross-Mode Modulation. <i>IEEE Photonics Journal</i> , <b>2020</b> , 12, 1-8	1.8	1
525	Integrated Optical Coupler With an Arbitrary Splitting Ratio Based on a Mode Converter. <i>IEEE Photonics Technology Letters</i> , <b>2020</b> , 32, 15-18	2.2	4
524	Key Multimode Silicon Photonic Devices Inspired by Geometrical Optics. <i>ACS Photonics</i> , <b>2020</b> , 7, 2037-2045	4.5	8
523	Performance of integrated optical switches based on 2D materials and beyond. <i>Frontiers of Optoelectronics</i> , <b>2020</b> , 13, 129-138	2.8	15
522	Terahertz Nanoimaging and Nanospectroscopy of Chalcogenide Phase-Change Materials. <i>ACS Photonics</i> , <b>2020</b> , 7, 3499-3506	6.3	13
521	Extremely Confined Acoustic Phonon Polaritons in Monolayer-hBN/Metal Heterostructures for Strong Light-Matter Interactions. <i>ACS Photonics</i> , <b>2020</b> , 7, 2610-2617	6.3	11
520	All-Optical 2 $\times$ 2-Bit Multiplier at 40 Gb/s Based on Canonical Logic Units-based Programmable Logic Array (CLUs-PLA). <i>Journal of Lightwave Technology</i> , <b>2020</b> , 38, 5586-5594	4	3
519	Ultrafast single-shot optical vector network analyzer based on coherent time-stretch. <i>APL Photonics</i> , <b>2020</b> , 5, 106109	5.2	0
518	Experimental Realization of on-Chip Nonreciprocal Transmission by Using the Mechanical Kerr Effect. <i>ACS Photonics</i> , <b>2020</b> , 7, 2995-3002	6.3	5
517	Optical Filter Switchable Between Bandstop and Bandpass Responses in SOI Wafer. <i>IEEE Photonics Technology Letters</i> , <b>2020</b> , 32, 1105-1108	2.2	1
516	Optical All-Pass Filter in Silicon-on-Insulator. <i>ACS Photonics</i> , <b>2020</b> , 7, 2539-2546	6.3	2
515	Highly Nonlinear Organic-Silicon Slot Waveguide for Ultrafast Multimode All-Optical Logic Operations. <i>IEEE Photonics Journal</i> , <b>2020</b> , 12, 1-12	1.8	10
514	Chip-Scale Optical Matrix Computation for PageRank Algorithm. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , <b>2020</b> , 26, 1-10	3.8	12
513	Frequency Stabilization of the Tunable Optoelectronic Oscillator Based on an Ultra-High-Q Microring Resonator. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , <b>2020</b> , 26, 1-9	3.8	6
512	Dielectric Nanoaperture Metasurfaces in Silicon Waveguides for Efficient and Broadband Mode Conversion with an Ultrasmall Footprint. <i>Advanced Optical Materials</i> , <b>2020</b> , 8, 2000529	8.1	6
511	Mode-assisted Silicon Integrated Interferometric Optical Gyroscope. <i>Scientific Reports</i> , <b>2019</b> , 9, 12946	4.9	3
510	Integrated Optical Filter Using Spiral-Based Cascaded Mach-Zehnder Interferometers. <i>IEEE Photonics Journal</i> , <b>2019</b> , 11, 1-13	1.8	1

509	Field-programmable silicon temporal cloak. <i>Nature Communications</i> , <b>2019</b> , 10, 2726	17.4	5
508	Tunable Brillouin and Raman microlasers using hybrid microbottle resonators. <i>Nanophotonics</i> , <b>2019</b> , 8, 931-940	6.3	12
507	Photonic Spin Hall Effect: Multidimensional Manipulation of Photonic Spin Hall Effect with a Single-Layer Dielectric Metasurface (Advanced Optical Materials 5/2019). <i>Advanced Optical Materials</i> , <b>2019</b> , 7, 1970018	8.1	1
506	Influence of two-photon absorption and free-carrier effects on all-optical logic gates in silicon waveguides. <i>Applied Physics Express</i> , <b>2019</b> , 12, 042005	2.4	1
505	Microstructure and grain growth direction of SRR99 single-crystal superalloy by selective laser melting. <i>Journal of Alloys and Compounds</i> , <b>2019</b> , 808, 151740	5.7	19
504	Separation of Rectangularly Symmetric Modes of Light With Fan-Out Elements. <i>IEEE Photonics Journal</i> , <b>2019</b> , 11, 1-8	1.8	
503	Fully integrated CMOS-compatible polarization analyzer. <i>Nanophotonics</i> , <b>2019</b> , 8, 467-474	6.3	16
502	Si Photonics for Practical LiDAR Solutions. <i>Applied Sciences (Switzerland)</i> , <b>2019</b> , 9, 4225	2.6	23
501	Large-Temporal-Numerical-Aperture Parametric Spectro-Temporal Analyzer Based on Silicon Waveguide. <i>IEEE Photonics Journal</i> , <b>2019</b> , 11, 1-10	1.8	2
500	The effect of Sr doping on structural and dielectric properties of Ba <sub>2</sub> Co <sub>2</sub> Fe <sub>12</sub> O <sub>22</sub> ceramics. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2019</b> , 30, 21079-21088	2.1	1
499	All-in-one silicon photonic polarization processor. <i>Nanophotonics</i> , <b>2019</b> , 8, 2257-2267	6.3	17
498	Controllable Kerr and Raman-Kerr frequency combs in functionalized microsphere resonators. <i>Nanophotonics</i> , <b>2019</b> , 8, 2321-2329	6.3	15
497	Low-Threshold 4/5 Octave-Spanning Mid-Infrared Frequency Comb in a LiNbO <sub>3</sub> Microresonator. <i>IEEE Photonics Journal</i> , <b>2019</b> , 11, 1-7	1.8	
496	Frequency Dependence of Parameters in the Modeling of Octave-spanning Kerr Frequency Combs <b>2019</b> ,		1
495	Integrated silicon multifunctional mode-division multiplexing system. <i>Optics Express</i> , <b>2019</b> , 27, 10798-10805	3.9	16
494	Two-dimensional silicon photonic grating coupler with low polarization-dependent loss and high tolerance. <i>Optics Express</i> , <b>2019</b> , 27, 22268-22274	3.3	13
493	Photonics-based simultaneous measurement of distance and velocity using multi-band LFM microwave signals with opposite chirps. <i>Optics Express</i> , <b>2019</b> , 27, 27580-27591	3.3	11
492	Time-division-multiplexed observation bandwidth for ultrafast parametric spectro-temporal analyzer. <i>Optics Express</i> , <b>2019</b> , 27, 30441-30448	3.3	2



491	Mode coupling in a terahertz multi-mode whispering-gallery-mode resonator. <i>Optics Letters</i> , <b>2019</b> , 44, 2020-2023	3	9
490	On-chip single-mode high-Q terahertz whispering gallery mode resonator. <i>Optics Letters</i> , <b>2019</b> , 44, 2835-2838	3	10
489	Integrated high-power germanium photodetectors assisted by light field manipulation. <i>Optics Letters</i> , <b>2019</b> , 44, 3338-3341	3	11
488	Subwavelength polarization splitter-rotator with ultra-compact footprint. <i>Optics Letters</i> , <b>2019</b> , 44, 4495-4498	3	17
487	Voltage-actuated thermally tunable on-chip terahertz filters based on a whispering gallery mode resonator. <i>Optics Letters</i> , <b>2019</b> , 44, 4670-4673	3	14
486	Widely tunable optoelectronic oscillator based on selective parity-time-symmetry breaking. <i>Optica</i> , <b>2019</b> , 6, 944	8.6	5
485	Widely tunable optoelectronic oscillator based on selective parity-time-symmetry breaking: retraction. <i>Optica</i> , <b>2019</b> , 6, 1506	8.6	1
484	Silicon-on-insulator-based microwave photonic filter with widely adjustable bandwidth. <i>Photonics Research</i> , <b>2019</b> , 7, 110	6	15
483	Wideband adaptive microwave frequency identification using an integrated silicon photonic scanning filter. <i>Photonics Research</i> , <b>2019</b> , 7, 172	6	8
482	Double-layer graphene on photonic crystal waveguide electro-absorption modulator with 12 GHz bandwidth. <i>Nanophotonics</i> , <b>2019</b> , 9, 2377-2385	6.3	18
481	Tunable on-chip terahertz bandpass filter with narrow bandwidth <b>2019</b> ,		1
480	Universal multimode waveguide crossing based on transformation optics: publisher's note. <i>Optica</i> , <b>2019</b> , 6, 125	8.6	
479	Spectroscopy characterization of the thermal dynamics in microspherical resonators <b>2019</b> ,		1
478	Tunable Fano resonance with a high slope rate in a microring-resonator-coupled Mach-Zehnder interferometer. <i>Optics Letters</i> , <b>2019</b> , 44, 251-254	3	5
477	Ultrafast discrete swept source based on dual chirped combs for microscopic imaging. <i>Optics Express</i> , <b>2019</b> , 27, 2621-2631	3.3	
476	Circulator-free on-chip bidirectional four-wave mixing. <i>Optics Letters</i> , <b>2019</b> , 44, 1116-1119	3	
475	Calibration-free time-stretch optical coherence tomography with large imaging depth. <i>Optics Letters</i> , <b>2019</b> , 44, 4135-4138	3	4
474	Temporally structured illumination for ultrafast time-stretch microscopy. <i>Optics Letters</i> , <b>2019</b> , 44, 4634-4637	3	0



473	Ultra-compact polarimeter based on a plasmonic spiral assisting by machine learning. <i>OSA Continuum</i> , <b>2019</b> , 2, 3343	1.4	1
472	Deterministic generation and switching of dissipative Kerr soliton in a thermally controlled micro-resonator. <i>AIP Advances</i> , <b>2019</b> , 9, 025314	1.5	38
471	Tunable high-quality Fano resonance in coupled terahertz whispering-gallery-mode resonators. <i>Applied Physics Letters</i> , <b>2019</b> , 115, 201102	3.4	6
470	Lumped Dissipation Induced Quasi-Phase Matching for Broad and Flat Optical Parametric Processes. <i>IEEE Photonics Journal</i> , <b>2019</b> , 11, 1-8	1.8	0
469	Broadband multi-wavelength optical sensing based on photothermal effect of 2D MXene films. <i>Nanophotonics</i> , <b>2019</b> , 9, 123-131	6.3	20
468	Low Polarization Dependent Loss Two-Dimensional Grating Coupler <b>2019</b> ,		1
467	Multidimensional Manipulation of Photonic Spin Hall Effect with a Single-Layer Dielectric Metasurface. <i>Advanced Optical Materials</i> , <b>2019</b> , 7, 1801365	8.1	47
466	Crosstalk Suppressed High Efficient Mode-Selective Four-Wave Mixing Through Tailoring Waveguide Geometry. <i>IEEE Photonics Journal</i> , <b>2019</b> , 11, 1-8	1.8	1
465	On-chip programmable pulse processor employing cascaded MZI-MRR structure. <i>Frontiers of Optoelectronics</i> , <b>2019</b> , 12, 148-156	2.8	23
464	Frequency-Hopping Microwave Generation With a Large Time-Bandwidth Product. <i>IEEE Photonics Journal</i> , <b>2018</b> , 10, 1-9	1.8	7
463	A Simplified Photonic Approach to Measuring the Microwave Doppler Frequency Shift. <i>IEEE Photonics Technology Letters</i> , <b>2018</b> , 30, 246-249	2.2	23
462	Spectrum Control through Discrete Frequency Diffraction in the Presence of Photonic Gauge Potentials. <i>Physical Review Letters</i> , <b>2018</b> , 120, 133901	7.4	56
461	Photonic Multiple Microwave Frequency Measurement Based on Frequency-to-Time Mapping. <i>IEEE Photonics Journal</i> , <b>2018</b> , 10, 1-7	1.8	10
460	Monolithic Integrated Chip With SOA and Tunable DI for Multichannel All-Optical Signal Processing. <i>IEEE Photonics Journal</i> , <b>2018</b> , 10, 1-9	1.8	5
459	CMOS compatible on-chip telecom-band to mid-infrared supercontinuum generation in dispersion-engineered reverse strip/slot hybrid Si <sub>3</sub> N <sub>4</sub> waveguide. <i>Journal of Modern Optics</i> , <b>2018</b> , 65, 53-63	1.1	10
458	Silicon Integrated Interferometric Optical Gyroscope. <i>Scientific Reports</i> , <b>2018</b> , 8, 8766	4.9	16
457	Whispering gallery modes in a single silica microparticle attached to an optical microfiber and their application for highly sensitive displacement sensing. <i>Optics Express</i> , <b>2018</b> , 26, 195-203	3.3	14
456	Time-domain characteristics of ultrafast transverse mode switching based on Si nanowires. <i>Optics Express</i> , <b>2018</b> , 26, 7899-7910	3.3	2

- 455 Optical gradient forces in PT-symmetric coupled-waveguide structures. *Optics Express*, **2018**, 26, 10220-10229 11
- 454 Self-locked orthogonal polarized dual comb in a microresonator. *Photonics Research*, **2018**, 6, 363 6 13
- 453 Wideband tunable optoelectronic oscillator based on a microwave photonic filter with an ultra-narrow passband. *Optics Letters*, **2018**, 43, 2328-2331 3 28
- 452 Silicon-on-insulator-based microwave photonic filter with narrowband and ultrahigh peak rejection. *Optics Letters*, **2018**, 43, 1359-1362 3 25
- 451 Integrated tunable mode filter for a mode-division multiplexing system. *Optics Letters*, **2018**, 43, 3658-3661 15
- 450 Integrated all-optical programmable logic array based on semiconductor optical amplifiers. *Optics Letters*, **2018**, 43, 2150-2153 3 9
- 449 Compact double-part grating coupler for higher-order mode coupling. *Optics Letters*, **2018**, 43, 3172-3175 18
- 448 Silicon chip-scale space-division multiplexing: from devices to system. *Science China Information Sciences*, **2018**, 61, 1 3-4 12
- 447 All-Optical Tunable Microlaser Based on an Ultrahigh-Q Erbium-Doped Hybrid Microbottle Cavity. *ACS Photonics*, **2018**, 5, 3794-3800 6-3 33
- 446 Ultrafast time-stretch microscopy based on dual-comb asynchronous optical sampling. *Optics Letters*, **2018**, 43, 2118-2121 3 20
- 445 Mode measurement of few-mode fibers by mode-frequency mapping. *Optics Letters*, **2018**, 43, 1435-1438 8
- 444 Investigation on Expanding the Computing Capacity of Optical Programmable Logic Array Based on Canonical Logic Units. *Journal of Lightwave Technology*, **2018**, 36, 3949-3958 4 3
- 443 Multiple-dimensional photonic measurements based on mapping technology **2018**, 1
- 442 Temporal radio-frequency spectrum analyzer, based on asynchronous optical sampling assisted temporal convolution. *Optics Express*, **2018**, 26, 20735-20743 3-3 6
- 441 Compact Grating Coupler for Higher-order Mode Coupling **2018**, 2
- 440 On the Hamiltonian form of cross-mode modulation in nonlinear optical waveguides. *Optics Letters*, **2018**, 43, 5005-5008 3 2
- 439 Tunable sub-kHz single-mode fiber laser based on a hybrid microbottle resonator. *Optics Letters*, **2018**, 43, 5315-5318 3 8
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280	All-optical amplitude regeneration of non-return-to-zero differential-phase-shift-keying signal. <i>Optics Communications</i> , <b>2013</b> , 298-299, 83-87	2	2
279	Compact Notch Microwave Photonic Filters Using On-Chip Integrated Microring Resonators. <i>IEEE Photonics Journal</i> , <b>2013</b> , 5, 5500307-5500307	1.8	40
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269	Single SOA based simultaneous amplitude regeneration for WDM-PDM RZ-PSK signals. <i>Optics Express</i> , <b>2013</b> , 21, 6718-23	3.3	2
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258	Pulse-width tunable multi-channel NRZ-to-RZ conversion with duplicate output. <i>Optics Communications</i> , <b>2012</b> , 285, 109-112	2	2

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134	All-optical microwave notch filter with flat passband based on semiconductor optical amplifier. <i>Optics Communications</i> , <b>2009</b> , 282, 2297-2300	2	4
133	Experimental demonstration on 40Gbit/s all-optical multicasting logic XOR gate for NRZ-DPSK signals using four-wave mixing in highly nonlinear fiber. <i>Optics Communications</i> , <b>2009</b> , 282, 2615-2619	2	22
132	A fiber-ring laser incorporating dual mode-locking mechanism. <i>Optics and Laser Technology</i> , <b>2009</b> , 41, 85-88	4.2	2

131	Analysis of 2.5Gbit/s GPON downlink optical-receiver performance. <i>Optics Communications</i> , <b>2009</b> , 282, 198-203	2	2
130	All-optical clock recovery of 20 Gbit/s NRZ-DPSK signals using polarization-maintaining fiber loop mirror filter and semiconductor optical amplifier fiber ring laser. <i>Optics Communications</i> , <b>2009</b> , 282, 2292-2296 <sup>6</sup>		
129	Photonic generation of ultrawideband monocycle and doublet pulses by using a semiconductor-optical-amplifier-based wavelength converter. <i>Optics Letters</i> , <b>2009</b> , 34, 1336-8	3	12
128	Self-collimating photonic-crystal wave plates. <i>Optics Letters</i> , <b>2009</b> , 34, 2676-8	3	13
127	Reconfigurable All-Optical Logic Gates for Multi-Input Differential Phase-Shift Keying Signals: Design and Experiments. <i>Journal of Lightwave Technology</i> , <b>2009</b> , 27, 5268-5275	4	36
126	Dynamic Analysis of All-Optical Wavelength Conversion of Differential Phase-Shift Keyed Signals Based on Semiconductor Optical Amplifier Mach-Zehnder Interferometer. <i>Journal of Lightwave Technology</i> , <b>2009</b> , 27, 5580-5589	4	12
125	Simultaneous multiple DWDM channel NRZ-to-RZ regenerative format conversion at 10 and 20 Gb/s. <i>Optics Express</i> , <b>2009</b> , 17, 3964-9	3-3	20
124	A proposal for two-input arbitrary Boolean logic gates using single semiconductor optical amplifier by picosecond pulse injection. <i>Optics Express</i> , <b>2009</b> , 17, 7725-30	3-3	41
123	Active microring optical integrator associated with electroabsorption modulators for high speed low light power loadable and erasable optical memory unit. <i>Optics Express</i> , <b>2009</b> , 17, 12835-48	3-3	18
122	A simple microwave photonic notch filter based on a semiconductor optical amplifier. <i>Journal of Optics</i> , <b>2009</b> , 11, 085405		9
121	Ultra-Wideband Pulse Train Generation Based on Turbo-Switch Structures. <i>IEEE Photonics Technology Letters</i> , <b>2009</b> , 21, 271-273	2.2	7
120	Single and Multiwavelength All-Optical Clock Recovery Using Fabry-Pérot Semiconductor Optical Amplifier. <i>IEEE Photonics Technology Letters</i> , <b>2009</b> , 21, 1109-1111	2.2	9
119	All-Optical Format Conversion From RZ to NRZ Utilizing Microfiber Resonator. <i>IEEE Photonics Technology Letters</i> , <b>2009</b> , 21, 1202-1204	2.2	25
118	Single-crystalline cubic MgZnO films and their application in deep-ultraviolet optoelectronic devices. <i>Applied Physics Letters</i> , <b>2009</b> , 95, 131113	3-4	94
117	All-Optical Format Conversions Using Periodically Poled Lithium Niobate Waveguides. <i>IEEE Journal of Quantum Electronics</i> , <b>2009</b> , 45, 195-205	2	21
116	All-Optical Ultrawideband Pulse Generation Using Cascaded Periodically Poled Lithium Niobate Waveguides. <i>IEEE Journal of Quantum Electronics</i> , <b>2009</b> , 45, 292-299	2	10
115	Elastic Polarization Converter Based on Dual Microring Resonators. <i>IEEE Journal of Quantum Electronics</i> , <b>2009</b> , 45, 1033-1038	2	6
114	SOA-Based Ultrafast Multifunctional All-Optical Logic Gates With PolSK Modulated Signals. <i>IEEE Journal of Quantum Electronics</i> , <b>2009</b> , 45, 1542-1550	2	14



113	A novel all-optical clock recovery scheme <b>2009</b> ,		1
112	Analysis and design of box-like filters based on 3 $\mu$ microring resonator arrays <b>2009</b> ,		1
111	Multilevel All-optical Format Conversion from NRZ Signal to RZ Signal <b>2009</b> ,		1
110	A novel all-optical clock recovery scheme <b>2009</b> ,		1
109	All-Optical Logic Gates Based on Semiconductor Optical Amplifiers and Tunable Filters. <i>Lecture Notes in Computer Science</i> , <b>2009</b> , 19-29	0.9	4
108	Ultrafast All-Optical Signal Processing Based on Single Semiconductor Optical Amplifier and Optical Filtering. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , <b>2008</b> , 14, 770-778	3.8	57
107	Single-SOA-Based Ultrahigh-Speed All-Optical Half Subtractor with PolSK Modulated Signals. <i>Chinese Physics Letters</i> , <b>2008</b> , 25, 1705-1708	1.8	3
106	All-optical error-bit amplitude monitor based on NOT and AND gates in cascaded semiconductor optical amplifiers. <i>Chinese Physics B</i> , <b>2008</b> , 17, 4226-4231	1.2	2
105	PPLN-Based Flexible Optical Logic and Gate. <i>IEEE Photonics Technology Letters</i> , <b>2008</b> , 20, 211-213	2.2	40
104	Simultaneous All-Optical and and nor Gates for NRZ Differential Phase-Shift-Keying Signals. <i>IEEE Photonics Technology Letters</i> , <b>2008</b> , 20, 596-598	2.2	13
103	Proposal for PPLN-Based All-Optical NRZ-to-CSRZ, RZ-to-CSRZ, NRZ-DPSK-to-CSRZ-DPSK, and RZ-DPSK-to-CSRZ-DPSK Format Conversions. <i>IEEE Photonics Technology Letters</i> , <b>2008</b> , 20, 1039-1041	2.2	5
102	Photonic generation of a microwave signal by incorporating a delay interferometer and a saturable absorber. <i>Optics Letters</i> , <b>2008</b> , 33, 554-6	3	38
101	Ultrafast all-optical three-input Boolean XOR operation for differential phase-shift keying signals using periodically poled lithium niobate. <i>Optics Letters</i> , <b>2008</b> , 33, 1419-21	3	56
100	Optical phase erasure and its application to format conversion through cascaded second-order processes in periodically poled lithium niobate. <i>Optics Letters</i> , <b>2008</b> , 33, 1804-6	3	19
99	All-Optical Tunable Wavelength Conversion With Extinction Ratio Enhancement Using Periodically Poled Lithium Niobate Waveguides. <i>Journal of Lightwave Technology</i> , <b>2008</b> , 26, 3137-3148	4	9
98	Optical clock division based on dual-wavelength mode-locked semiconductor fiber ring laser. <i>Optics Express</i> , <b>2008</b> , 16, 11231-6	3.3	9
97	Single SOA based 16 DWDM channels all-optical NRZ-to-RZ format conversions with different duty cycles. <i>Optics Express</i> , <b>2008</b> , 16, 16166-71	3.3	29
96	Reduction of patterning effects in SOA-based wavelength converters by combining cross-gain and cross-absorption modulation. <i>Optics Express</i> , <b>2008</b> , 16, 21522-8	3.3	9



95	First demonstration on the non-transparency of FWM and its application of 40 Gbit/s all-optical CSRZ-to-RZ format conversion <b>2008</b> ,		1
94	High order ultrawideband pulse generation from NRZ-DPSK signals <b>2008</b> ,		1
93	Optical UWB doublet pulse generation using multiple nonlinearities of single SOA. <i>Electronics Letters</i> , <b>2008</b> , 44, 1083	1.1	12
92	Single-to-dual channel NRZ-to-RZ format conversion by four-wave mixing in single semiconductor optical amplifier. <i>Electronics Letters</i> , <b>2008</b> , 44, 763	1.1	10
91	PPLN-based all-optical 40 Gbit/s three-input logic AND gate for both NRZ and RZ signals. <i>Electronics Letters</i> , <b>2008</b> , 44, 413	1.1	12
90	All-Optical Clock Recovery from NRZ-DPSK Signals at Flexible Bit Rates. <i>Chinese Physics Letters</i> , <b>2008</b> , 25, 1680-1683	1.8	2
89	High-Order Ultrawideband Pulse Generation from NRZ-DPSK Signals. <i>Chinese Physics Letters</i> , <b>2008</b> , 25, 911-914	1.8	1
88	PPLN-based All-Optical Three-Input 20/40 Gb/s AND Gate for NRZ/RZ Signals and XOR Gate for NRZ-DPSK/RZ-DPSK Signals <b>2008</b> ,		2
87	Ultrahigh-Speed Multifunctional All-Optical Logic Gates Based on FWM in SOAs with PolSK Modulated Signals <b>2008</b> ,		2
86	All-optical minterm generator for three-input NRZ-DPSK signals based on SOAs and delay interferometers <b>2008</b> ,		1
85	A Novel Configuration for Both Multiwavelength Mode-locking and Optical Clock Division <b>2008</b> ,		2
84	NRZ-DPSK to RZ-BPSK all-optical format conversion using optical filter and SOA-MZI <b>2008</b> ,		2
83	40 Gbit/s FSK all-optical wavelength conversion and NOT gate using periodically poled lithium niobate waveguides <b>2008</b> ,		1
82	Experimental Demonstration on PPLN-Based 40 Gbit/s All-Optical NRZ-to-CSRZ, NRZ-to-RZ, and NRZ-DPSK-to-RZ-DPSK Format Conversions <b>2008</b> ,		4
81	Simulation and evaluation of phase noise for optical amplification using semiconductor optical amplifiers in DPSK applications. <i>Optics Communications</i> , <b>2008</b> , 281, 28-36	2	2
80	40 Gb/s all-optical logic NOR and OR gates using a semiconductor optical amplifier: Experimental demonstration and theoretical analysis. <i>Optics Communications</i> , <b>2008</b> , 281, 1710-1715	2	42
79	Proposal for loadable and erasable optical memory unit based on dual active microring optical integrators. <i>Optics Communications</i> , <b>2008</b> , 281, 5315-5321	2	15
78	All-optical dual-direction half-subtractor based on sum-frequency generation. <i>Optics Communications</i> , <b>2008</b> , 281, 788-792	2	6

77	Filter-free ultrawideband generation based on semiconductor optical amplifier nonlinearities. <i>Optics Communications</i> , <b>2008</b> , 281, 808-813	2	4
76	A novel actively and passively mode-locked semiconductor optical amplifier fiber ring laser. <i>Optics Communications</i> , <b>2008</b> , 281, 2868-2873	2	2
75	Proposal and simulation for all-optical format conversion between differential phase-shift keying signals based on cascaded second-order nonlinearities. <i>Optics Communications</i> , <b>2008</b> , 281, 5019-5024	2	7
74	Eleven-wavelength switchable fiber ring laser with a dispersion compensation fiber and a delayed interferometer. <i>Optics Communications</i> , <b>2008</b> , 281, 5842-5845	2	3
73	Experimental study of SOA-based NRZ-to-PRZ conversion and distortion elimination of amplified NRZ signal using spectral filtering. <i>Optics Communications</i> , <b>2008</b> , 281, 5618-5624	2	13
72	Amplitude-equalized clock recovery using nonlinear polarization rotation in a semiconductor optical amplifier <b>2008</b> ,		1
71	A Full-Duplex 60 GHz-Band Radio over Fiber System. <i>Guangxue Xuebao/Acta Optica Sinica</i> , <b>2008</b> , 28, 36-40.8	2.8	3
70	20-Gb/s All-Optical Format Conversions From RZ Signals With Different Duty Cycles to NRZ Signals. <i>IEEE Photonics Technology Letters</i> , <b>2007</b> , 19, 1027-1029	2.2	23
69	All-Optical Clock Recovery From NRZ Signals at Different Bit Rates via Preprocessing by an Optical Filter. <i>IEEE Photonics Technology Letters</i> , <b>2007</b> , 19, 2039-2041	2.2	14
68	All-optical XNOR and AND gates simultaneously realized in a single semiconductor optical amplifier with improved dynamics. <i>Chinese Physics B</i> , <b>2007</b> , 16, 3719-3727		1
67	Simple realization of all-optical high-speed (40, 80 and 160 Gb s <sup>-1</sup> ) XOR and OR logic gates using LiNbO <sub>3</sub> waveguides. <i>Journal of Optics</i> , <b>2007</b> , 9, 811-819		9
66	20 Gb/s all-optical and gates and nor gates using cascaded SOAs. <i>Microwave and Optical Technology Letters</i> , <b>2007</b> , 49, 484-487	1.2	4
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64	Single SOA based all-optical adder assisted by optical bandpass filter: Theoretical analysis and performance optimization. <i>Optics Communications</i> , <b>2007</b> , 270, 238-246	2	28
63	Single-longitudinal-mode dual-wavelength fiber ring laser by incorporating variable saturable absorbers and feedback fiber loops. <i>Optics Communications</i> , <b>2007</b> , 273, 231-237	2	17
62	Experimental observation of tunable wavelength down- and up-conversions of ultra-short pulses in a periodically poled LiNbO <sub>3</sub> waveguide. <i>Optics Communications</i> , <b>2007</b> , 269, 179-187	2	15
61	Dual-channel-output all-optical logic AND gate at 20 Gbit/s based on cascaded second-order nonlinearity in PPLN waveguide. <i>Electronics Letters</i> , <b>2007</b> , 43, 940	1.1	17
60	40 Gbit/s reconfigurable photonic logic gates based on various nonlinearities in single SOA. <i>Electronics Letters</i> , <b>2007</b> , 43, 884	1.1	20

59	Semiconductor-Optical-Amplifier-Based Inverted and Non-Inverted Wavelength Conversion at 40 Gb/s Using a Detuning Optical Bandpass Filter. <i>Chinese Physics Letters</i> , <b>2007</b> , 24, 3450-3453	1.8	2
58	Dual-Wavelength Erbium-Doped Fibre Ring Laser by Cascading Tunable Bandpass Filter with Bandstop Filter. <i>Chinese Physics Letters</i> , <b>2007</b> , 24, 3145-3148	1.8	2
57	All-Optical RZ-to-NRZ Format Conversion with a Tunable Fibre Based Delay Interferometer. <i>Chinese Physics Letters</i> , <b>2007</b> , 24, 706-709	1.8	12
56	Theoretical Study of SOA-Based Wavelength Conversion with NRZ and RZ Format at 40 Gb/s. <i>Chinese Physics Letters</i> , <b>2007</b> , 24, 990-993	1.8	6
55	All-optical format conversion using a periodically poled lithium niobate waveguide and a reflective semiconductor optical amplifier. <i>Applied Physics Letters</i> , <b>2007</b> , 91, 051107	3.4	18
54	Single-SOA-based all-optical XNOR and AND gates <b>2007</b> ,		1
53	Dynamic range and switching speed of an optical switch matrix based on cascaded semiconductor optical amplifier gates with holding-light injection. <i>Optical Engineering</i> , <b>2007</b> , 46, 045002	1.1	
52	Analytic approach to the small-signal frequency response of saturated semiconductor optical amplifiers using multisection model. <i>Chinese Physics B</i> , <b>2007</b> , 16, 2998-3003		1
51	All-optical single-to-dual channel non-return-to-zero to return-to-zero format converter using a periodically poled LiNbO <sub>3</sub> and a reflective semiconductor optical amplifier. <i>Optical Engineering</i> , <b>2007</b> , 46, 120501	1.1	
50	Investigation of ultrafast all-optical AND gate based on cascaded SOAs and optical filters <b>2007</b> ,		1
49	Ultrawideband monocycle generation using cross-phase modulation in a semiconductor optical amplifier. <i>Optics Letters</i> , <b>2007</b> , 32, 1223-5	3	77
48	High-speed all-optical differentiator based on a semiconductor optical amplifier and an optical filter. <i>Optics Letters</i> , <b>2007</b> , 32, 1872-4	3	62
47	All-optical ultrawideband monocycle generation utilizing gain saturation of a dark return-to-zero signal in a semiconductor optical amplifier. <i>Optics Letters</i> , <b>2007</b> , 32, 2158-60	3	40
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45	All-optical differentiator based on cross-gain modulation in semiconductor optical amplifier. <i>Optics Letters</i> , <b>2007</b> , 32, 3029-31	3	33
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42	All-optical format conversion from CS-RZ to NRZ at 40Gbit/s. <i>Optics Express</i> , <b>2007</b> , 15, 5693-8	3.3	19

41	Analysis on dynamic characteristics of semiconductor optical amplifiers with certain facet reflection based on detailed wideband model. <i>Optics Express</i> , <b>2007</b> , 15, 9096-106	3.3	12
40	Transmission characteristics of dual microring resonators coupled via 3x3 couplers. <i>Optics Express</i> , <b>2007</b> , 15, 13557-73	3.3	16
39	Simultaneous demonstration on all-optical digital encoder and comparator at 40 Gb/s with semiconductor optical amplifiers. <i>Optics Express</i> , <b>2007</b> , 15, 15080-5	3.3	57
38	Simulation and analysis of OOK-to-BPSK format conversion based on gain-transparent SOA used as optical phase-modulator. <i>Optics Express</i> , <b>2007</b> , 15, 18357-69	3.3	10
37	Ultrafast all-optical AND gate based on cascaded SOAs with assistance of optical filters. <i>Electronics Letters</i> , <b>2007</b> , 43, 585	1.1	4
36	Single-to-Multiple Channel Wavelength Conversions and Tuning of Picosecond Pulses in Quasi-Phase-Matched Waveguides. <i>Chinese Physics Letters</i> , <b>2006</b> , 23, 1806-1809	1.8	8
35	Polarization Maintaining Fibre Loop Mirror for NRZ-to-PRZ Conversion in All-Optical Clock Recovery. <i>Chinese Physics Letters</i> , <b>2006</b> , 23, 355-358	1.8	7
34	Investigation of the polarization dependence of the characteristics of a semiconductor laser amplifier in a loop mirror for all-optical pattern conversion. <i>Optical Engineering</i> , <b>2006</b> , 45, 128202	1.1	0
33	All-optical RZ to NRZ Format Conversion with Tunable Fiber Based Delay Interferometer <b>2006</b> ,		2
32	All-Optical Clock Recovery From NRZ-DPSK Signal. <i>IEEE Photonics Technology Letters</i> , <b>2006</b> , 18, 2356-2358	2.2	22
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30	Analytical Solution for SOA-Based All-Optical Wavelength Conversion Using Transient Cross-Phase Modulation. <i>IEEE Photonics Technology Letters</i> , <b>2006</b> , 18, 2554-2556	2.2	14
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28	Ultrafast all-optical NOR gate based on semiconductor optical amplifier and fiber delay interferometer. <i>Optics Express</i> , <b>2006</b> , 14, 10708-14	3.3	15
27	Numerical analysis of polarization splitter based on vertically coupled microring resonator. <i>Optics Express</i> , <b>2006</b> , 14, 11304-11	3.3	22
26	Ultrahigh-speed all-optical half adder based on four-wave mixing in semiconductor optical amplifier. <i>Optics Express</i> , <b>2006</b> , 14, 11839-47	3.3	44
25	All-optical adders based on transient cross phase modulation using a single semiconductor optical amplifier <b>2006</b> ,		1
24	Demonstration on all-optical logic AND and NOR gates at 20Gb/s with cascaded SOAs <b>2006</b> , 6025, 183		

23	Single-longitudinal-mode fiber ring laser using fiber grating-based Fabry-Berot filters and variable saturable absorbers. <i>Optics Communications</i> , <b>2006</b> , 267, 177-181	2	36
22	Theoretical analysis of tunable wavelength conversion based on FWM in a semiconductor fiber ring laser. <i>IEEE Journal of Quantum Electronics</i> , <b>2005</b> , 41, 581-588	2	5
21	Tunable all-optical NOR gate at 10 Gb/s based on SOA fiber ring laser. <i>Optics Express</i> , <b>2005</b> , 13, 2793-8	3.3	19
20	Theoretical and experimental investigation on all-optical AND gate with cascaded single-port-coupled SOAs <b>2005</b> , 5624, 459		
19	Experimental and theoretical investigation on tunable FWM wavelength conversion based on SOA-fiber ring laser <b>2005</b> , 5624, 30		
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16	Single to 16-Channel Wavelength Conversion at 10 Gb/s Based on Cross-Gain Modulation of ASE Spectrum in SOA. <i>Optical and Quantum Electronics</i> , <b>2004</b> , 36, 627-634	2.4	3
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13	All-optical AND gate at 10 Gbit/s based on cascaded single-port-couple SOAs. <i>Optics Express</i> , <b>2004</b> , 12, 361-6	3.3	102
12	Simultaneous 16-channel wavelength conversion at 10 Gb/s based on cross-gain modulation of ASE spectrum in SOA <b>2004</b> , 5280, 98		
11	Suppression of four-wave mixing in erbium-doped fiber amplifiers by utilizing laser oscillation. <i>Optics Communications</i> , <b>2003</b> , 225, 39-45	2	4
10	Noninverted wavelength conversion using Fabry-Berot semiconductor optical amplifiers. <i>Optics Communications</i> , <b>2002</b> , 207, 287-294	2	1
9	Multiwavelength lasers based on semiconductor optical amplifiers. <i>IEEE Photonics Technology Letters</i> , <b>2002</b> , 14, 750-752	2.2	17
8	A novel scheme for XGM wavelength conversion based on single-port-coupled SOA. <i>Chinese Physics B</i> , <b>2001</b> , 10, 124-127		8
7	Performance improvement in XGM wavelength conversion based on a single-port-coupled SOA. <i>Microwave and Optical Technology Letters</i> , <b>2000</b> , 26, 286-288	1.2	
6	Performance improvement in XGM wavelength conversion exploiting SLAOLM <b>2000</b> , 4078, 345		

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