

# Xinliang Zhang

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1683394/publications.pdf>

Version: 2024-02-01

866  
papers

11,161  
citations

44069

48  
h-index

91884

69  
g-index

870  
all docs

870  
docs citations

870  
times ranked

5929  
citing authors

#	ARTICLE	IF	CITATIONS
1	Probabilistic stability analysis of reinforced soil slope with non-circular RLEM. <i>Geosynthetics International</i> , 2023, 30, 432-448.	2.9	7
2	All-Optical Nonlinear Activation Function Based on Germanium Silicon Hybrid Asymmetric Coupler. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2023, 29, 1-6.	2.9	8
3	Photonic Emulator for Inverse Design. <i>ACS Photonics</i> , 2023, 10, 2173-2181.	6.6	9
4	Generation of Reconfigurable Linearly Chirped Microwave Waveforms Based On Fourier domain Mode-Locked Optoelectronic Oscillator. <i>Journal of Lightwave Technology</i> , 2022, 40, 85-92.	4.6	13
5	Anti-parity-time symmetry enabled on-chip chiral polarizer. <i>Photonics Research</i> , 2022, 10, 76.	7.0	17
6	Enhanced optical nonlinearity in a silicon-organic hybrid slot waveguide for all-optical signal processing. <i>Photonics Research</i> , 2022, 10, 50.	7.0	14
7	Optical true time delay based on multimode waveguide gratings. , 2022, , .		3
8	Bandwidth Tunable Optical Bandpass Filter Based on Parity-Time Symmetry. <i>Micromachines</i> , 2022, 13, 89.	2.9	8
9	Parity-time symmetry in monolithically integrated graphene-assisted microresonators. <i>Optics Express</i> , 2022, 30, 2112.	3.4	4
10	Silicon-Based Integrated Terahertz Polarization Beam Splitters. <i>Journal of Lightwave Technology</i> , 2022, 40, 170-178.	4.6	5
11	3 Å– 40 Gbit/s All-Optical Logic Operation Based on Low-Loss Triple-Mode Silicon Waveguide. <i>Micromachines</i> , 2022, 13, 90.	2.9	5
12	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> , 2022, 24, 024006.	2.2	7
13	Dielectric Metasurfaces Enabled Ultradensely Integrated Multidimensional Optical System. <i>Laser and Photonics Reviews</i> , 2022, 16, .	8.7	13
14	High-Speed Silicon Integrated Polarization Stabilizer Assisted By a Polarimeter. <i>Journal of Lightwave Technology</i> , 2022, 40, 3794-3801.	4.6	9
15	Electromagnetically induced transparency with a single optomechanical microring resonator. <i>Optics Letters</i> , 2022, 47, 1363.	3.3	4
16	Photonic matrix multiplication lights up photonic accelerator and beyond. <i>Light: Science and Applications</i> , 2022, 11, 30.	16.6	167
17	Integrated photonic devices enabled by silicon traveling wave-like Fabry-Perot resonators. <i>Optics Express</i> , 2022, 30, 9450.	3.4	6
18	Ultrafast dynamic RF-spectrum investigation of soliton microcombs. <i>APL Photonics</i> , 2022, 7, 046104.	5.7	1

#	ARTICLE	IF	CITATIONS
19	Generalized Modular Spectrometers Combining a Compact Nanobeam Microcavity and Computational Reconstruction. ACS Photonics, 2022, 9, 74-81.	6.6	17
20	Compact and high Q multimode racetrack ringresonator based on transformation optics. Optics Express, 2022, 30, 15766-15776.	3.4	0
21	Fast and high-resolution spectroscopy based on asynchronous optical sampling. Optics Express, 2022, 30, 15201.	3.4	1
22	Performance Improvement of Frequency-Domain Light Intensity Spectrum Analyzer (<i>f</i>-LISA). Journal of Lightwave Technology, 2022, 40, 4663-4673.	4.6	2
23	Tunable and Reconfigurable Microwave Photonic Bandpass Filter Based on Cascaded Silicon Microring Resonators. Journal of Lightwave Technology, 2022, 40, 4655-4662.	4.6	13
24	A small microring array that performs large complex-valued matrix-vector multiplication. Frontiers of Optoelectronics, 2022, 15, .	3.7	25
25	Lateral-Zigzag PN Junction Enabled High-Efficiency Silicon Micro-Ring Modulator Working at 100Gb/s. IEEE Photonics Technology Letters, 2022, 34, 525-528.	2.5	8
26	Reconfigurable second-order optical all-pass filter. Nanophotonics, 2022, 11, 3115-3125.	6.0	4
27	An Electronic-Photonic Converged Adaptive-Tuning-Step Pipelined Time-Division-Multiplexing Control Scheme for Fast and Scalable Wavelength Locking of Micro-Rings. Journal of Lightwave Technology, 2022, 40, 5622-5630.	4.6	2
28	Parity-Time Symmetry Enabled Band-Pass Filter Featuring High Bandwidth-Tunable Contrast Ratio. Photonics, 2022, 9, 380.	2.0	3
29	The Design of a Low-Loss, Fast-Response, Metal Thermo-Optic Phase Shifter Based on Coupled-Mode Theory. Photonics, 2022, 9, 447.	2.0	3
30	Strategy for Lowâ€Loss Optical Devices When Using Highâ€Loss Materials. Advanced Photonics Research, 2022, 3, .	3.6	4
31	Simultaneous ultraviolet, visible, and near-infrared continuous-wave lasing in a rare-earth-doped microcavity. Advanced Photonics, 2022, 4, .	11.8	25
32	Two-dimensional silicon optical phased array with large field of view. Optics Express, 2022, 30, 28049.	3.4	4
33	Room-temperature Continuous-Wave Upconversion White Microlaser Using a Rare-earth-Doped Microcavity. ACS Photonics, 2022, 9, 2956-2962.	6.6	15
34	Electrical crosstalk suppression for a compact optical segmented modulator. Optics Express, 2021, 29, 1764.	3.4	2
35	Precise dynamic characterization of microcombs assisted by an RF spectrum analyzer with THz bandwidth and MHz resolution. Optics Express, 2021, 29, 2153.	3.4	7
36	Silicon integrated multi-mode ring resonator. Nanophotonics, 2021, 10, 1265-1272.	6.0	12

#	ARTICLE	IF	CITATIONS
37	High Efficiency Electro-Optic Modulation in a Graphene Silicon Hybrid Tapered Microring Resonator. IEEE Access, 2021, 9, 87869-87876.	4.2	6
38	High-power Si-Ge photodiode assisted by doping regulation. Optics Express, 2021, 29, 7389.	3.4	8
39	Free-carrier-assisted mid-infrared microcavity soliton generation. Journal of Applied Physics, 2021, 129, 083106.	2.5	2
40	Preface to the special issue on "Terahertz Science and Applications". Frontiers of Optoelectronics, 2021, 14, 1-3.	3.7	1
41	Broadband frequency control of light using synthetic frequency lattices formed by four-wave-mixing Bragg scatterings. Physical Review A, 2021, 103, .	2.5	1
42	Real-time observation of frequency Bloch oscillations with fibre loop modulation. Light: Science and Applications, 2021, 10, 48.	16.6	30
43	Extraordinary Fast Forward and Backward Light in Transparent Non-Hermitian Systems. Laser and Photonics Reviews, 2021, 15, 2000204.	8.7	2
44	80-GHz germanium waveguide photodiode enabled by parasitic parameter engineering. Photonics Research, 2021, 9, 605.	7.0	14
45	2D Materials Enabled Next-Generation Integrated Optoelectronics: from Fabrication to Applications. Advanced Science, 2021, 8, e2003834.	11.2	70
46	CMOS-compatible integrated 4-f system for mode-transparent spatial manipulation. Optics Letters, 2021, 46, 2220.	3.3	4
47	Synthesized soliton crystals. Nature Communications, 2021, 12, 3179.	12.8	77
48	Optical ranging system based on multiple pulse train interference using soliton microcomb. Applied Physics Letters, 2021, 118, .	3.3	10
49	Segmented Cladding Fiber With a High-Index Ring in Core for Wideband Single-Mode Operation in Any Bending Orientation. IEEE Photonics Journal, 2021, 13, 1-18.	2.0	3
50	Antenna-integrated silicon-plasmonic graphene sub-terahertz emitter. APL Photonics, 2021, 6, .	5.7	11
51	Spectrogram of Carrier Transient in Semiconductor Optical Amplifier With Dispersive Pump-Probe Spectroscopy. Journal of Lightwave Technology, 2021, 39, 4109-4117.	4.6	1
52	High-efficient and high-accurate integrated division-of-time polarimeter. APL Photonics, 2021, 6, .	5.7	16
53	Ultrahigh-speed graphene-based optical coherent receiver. Nature Communications, 2021, 12, 5076.	12.8	39
54	Ghost hyperbolic surface polaritons in bulk anisotropic crystals. Nature, 2021, 596, 362-366.	27.8	102

#	ARTICLE	IF	CITATIONS
55	Pure Temporal Dispersion for Aberration Free Ultrafast Time-Stretch Applications. Journal of Lightwave Technology, 2021, 39, 5589-5597.	4.6	7
56	Optical spatiotemporal differentiator using a bilayer plasmonic grating. Optics Letters, 2021, 46, 4418.	3.3	9
57	Proposal and demonstration of a controllable Q factor in directly coupled microring resonators for optical buffering applications. Photonics Research, 2021, 9, 2006.	7.0	7
58	2D materials-based homogeneous transistor-memory architecture for neuromorphic hardware. Science, 2021, 373, 1353-1358.	12.6	177
59	Soliton Burst and Bi-Directional Switching in the Platform with Positive Thermal-Refraction Coefficient Using an Auxiliary Laser. Laser and Photonics Reviews, 2021, 15, 2100264.	8.7	16
60	On-chip terahertz isolator with ultrahigh isolation ratios. Nature Communications, 2021, 12, 5570.	12.8	26
61	Flexible Manipulation of Lasing Modes in an Erbium-Doped Microcavity via an Add-Drop Configuration. ACS Photonics, 2021, 8, 3069-3077.	6.6	9
62	Ultra-Compact Band-Pass and Band-Stop Tunable Filters Based on Loop-Cascaded Nanobeam Structure. IEEE Photonics Technology Letters, 2021, 33, 1109-1112.	2.5	1
63	Real-time observation of the thermo-optical and heat dissipation processes in microsphere resonators. Optics Express, 2021, 29, 2402.	3.4	5
64	Ultra-Compact High-Speed Polarization Division Multiplexing Optical Receiving Chip Enabled by Graphene-on-Plasmonic Slot Waveguide Photodetectors. Advanced Optical Materials, 2021, 9, 2001215.	7.3	17
65	Program-controlled single soliton microcomb source. Photonics Research, 2021, 9, 66.	7.0	27
66	A compact nanobeam microcavity spectrometer assisted by computational reconstruction. , 2021, , .		0
67	Optical All-Pass Filter Realized by Self-Compensation of Loss. ACS Photonics, 2021, 8, 3156-3161.	6.6	9
68	Ultra-narrow passband-tunable filter based on a high-Q silicon racetrack resonator. Optics Letters, 2021, 46, 5575.	3.3	6
69	Graphene-on-plasmonic slot waveguide photodetector. Scientia Sinica: Physica, Mechanica Et Astronomica, 2021, 51, 054204.	0.4	1
70	Rapid Repetition Rate Fluctuation Measurement of Soliton Crystals in a Microresonator. Journal of Visualized Experiments, 2021, , .	0.3	0
71	Broadband multi-wavelength optical sensing based on photothermal effect of 2D MXene films. Nanophotonics, 2020, 9, 123-131.	6.0	38
72	Chip-Scale Optical Matrix Computation for PageRank Algorithm. IEEE Journal of Selected Topics in Quantum Electronics, 2020, 26, 1-10.	2.9	26

#	ARTICLE	IF	CITATIONS
73	Frequency Stabilization of the Tunable Optoelectronic Oscillator Based on an Ultra-High-Q Microring Resonator. IEEE Journal of Selected Topics in Quantum Electronics, 2020, 26, 1-9.	2.9	11
74	Optical modulators based on 2D materials. , 2020, , 37-77.		2
75	Spatial-Dependent Hamiltonian Formulation of Cross-Mode Modulation. IEEE Photonics Journal, 2020, 12, 1-8.	2.0	2
76	Integrated Optical Coupler With an Arbitrary Splitting Ratio Based on a Mode Converter. IEEE Photonics Technology Letters, 2020, 32, 15-18.	2.5	5
77	Key Multimode Silicon Photonic Devices Inspired by Geometrical Optics. ACS Photonics, 2020, 7, 2037-2045.	6.6	19
78	Performance of integrated optical switches based on 2D materials and beyond. Frontiers of Optoelectronics, 2020, 13, 129-138.	3.7	36
79	Terahertz Nanoimaging and Nanospectroscopy of Chalcogenide Phase-Change Materials. ACS Photonics, 2020, 7, 3499-3506.	6.6	29
80	Extremely Confined Acoustic Phonon Polaritons in Monolayer-hBN/Metal Heterostructures for Strong Light-Matter Interactions. ACS Photonics, 2020, 7, 2610-2617.	6.6	33
81	All-Optical 2 × 2 Bit Multiplier at 40 Gb/s Based on Canonical Logic Units-based Programmable Logic Array (CLUs-PLA). Journal of Lightwave Technology, 2020, 38, 5586-5594.	4.6	12
82	Ultrafast single-shot optical vector network analyzer based on coherent time-stretch. APL Photonics, 2020, 5, 106109.	5.7	2
83	Experimental Realization of on-Chip Nonreciprocal Transmission by Using the Mechanical Kerr Effect. ACS Photonics, 2020, 7, 2995-3002.	6.6	13
84	Optical Filter Switchable Between Bandstop and Bandpass Responses in SOI Wafer. IEEE Photonics Technology Letters, 2020, 32, 1105-1108.	2.5	7
85	Optical All-Pass Filter in Silicon-on-Insulator. ACS Photonics, 2020, 7, 2539-2546.	6.6	8
86	Highly Nonlinear Organic-Silicon Slot Waveguide for Ultrafast Multimode All-Optical Logic Operations. IEEE Photonics Journal, 2020, 12, 1-12.	2.0	24
87	Numerical Investigation of Parametric Frequency Dependence in the Modeling of Octave-Spanning Kerr Frequency Combs. IEEE Photonics Journal, 2020, 12, 1-9.	2.0	1
88	Germanium Photodetector With Alleviated Space-Charge Effect. IEEE Photonics Technology Letters, 2020, 32, 538-541.	2.5	5
89	Self-Configuring and Reconfigurable Silicon Photonic Signal Processor. ACS Photonics, 2020, 7, 792-799.	6.6	70
90	Passive Visible-to-Telecom Converter Using Tunable Perovskites and Silicon Photonics. Journal of Lightwave Technology, 2020, 38, 3533-3539.	4.6	1

#	ARTICLE	IF	CITATIONS
91	Efficient Optical Angular Momentum Manipulation for Compact Multiplexing and Demultiplexing Using a Dielectric Metasurface. <i>Advanced Optical Materials</i> , 2020, 8, 1901666.	7.3	50
92	Negative magnetization, complex magnetic ordering and applications of Cr-doped $\text{Co}_2\text{TiO}_4$ . <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 7058-7064.	2.8	15
93	Reconfigurable Fiber-Chip Mode Converter With Efficient Multi-Mode Coupling Function. <i>IEEE Photonics Technology Letters</i> , 2020, 32, 371-374.	2.5	5
94	Quantum Key Distribution with On-Chip Dissipative Kerr Soliton. <i>Laser and Photonics Reviews</i> , 2020, 14, 1900190.	8.7	44
95	Anisotropic polaritons in van der Waals materials. <i>Information Materials</i> , 2020, 2, 777-790.	17.3	36
96	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> , 2020, 26, 1-7.	2.9	12
97	Repetition rate multiplication control of micro-combs assisted by perfect temporal Talbot effect. <i>APL Photonics</i> , 2020, 5, .	5.7	14
98	Dielectric Nanoaperture Metasurfaces in Silicon Waveguides for Efficient and Broadband Mode Conversion with an Ultrasmall Footprint. <i>Advanced Optical Materials</i> , 2020, 8, 2000529.	7.3	16
99	Advances in soliton microcomb generation. <i>Advanced Photonics</i> , 2020, 2, 1.	11.8	89
100	Wideband high-resolution spectral analysis assisted by soliton micro-combs. , 2020, , .		1
101	Multimode waveguide crossing with ultralow loss and low imbalance. <i>Optics Express</i> , 2020, 28, 14705.	3.4	19
102	Tunable polarization beam splitter and broadband optical power sensor using hybrid microsphere resonators. <i>Optics Express</i> , 2020, 28, 32847.	3.4	3
103	Deterministic design of focusing apodized subwavelength grating coupler based on weak form and transformation optics. <i>Optics Express</i> , 2020, 28, 35395.	3.4	10
104	Ultra-compact optical switch using a single semisymmetric Fano nanobeam cavity. <i>Optics Letters</i> , 2020, 45, 2363.	3.3	21
105	Integrated mode-transparent polarization beam splitter supporting thirteen data channels. <i>Photonics Research</i> , 2020, 8, 978.	7.0	14
106	All-optical PtSe <sub>2</sub> silicon photonic modulator with ultra-high stability. <i>Photonics Research</i> , 2020, 8, 1189.	7.0	12
107	Compact and broadband multimode waveguide bend by shape-optimizing with transformation optics. <i>Photonics Research</i> , 2020, 8, 1843.	7.0	27
108	Double-layer graphene on photonic crystal waveguide electro-absorption modulator with 12 GHz bandwidth. <i>Nanophotonics</i> , 2020, 9, 2377-2385.	6.0	32

#	ARTICLE	IF	CITATIONS
109	On-chip arbitrary-mode spot size conversion. <i>Nanophotonics</i> , 2020, 9, 4365-4372.	6.0	21
110	Ultrafast carrier dynamics spectrogram of semiconductor optical amplifier. , 2020, , .		0
111	On-Chip 4f-System-Based Arbitrary-Mode Spot Size Conversion. , 2020, , .		0
112	Ultrafast soliton dynamics of micro-combs observed by aberration-free temporal magnifier. , 2020, , .		0
113	All-optical micro-ring modulator with phosphorene film. , 2020, , .		0
114	All-Optical 2*2-Bit Multiplier at 40Gb/s Using Bidirectional Multichannel Four-Wave Mixing. , 2020, , .		0
115	Impact of third-order dispersion and three-photon absorption on mid-infrared time magnification via four-wave mixing in Si <sub>0.8</sub> Ge <sub>0.2</sub> waveguides. <i>Applied Optics</i> , 2020, 59, 1187.	1.8	1
116	Real-time optical vector network analyzer based on coherent time-stretch. , 2020, , .		0
117	128 Gbps NRZ and 224 Gbps PAM-4 Signals Reception in Graphene Plasmonic PDM Receiver. , 2020, , .		0
118	Large pure temporal dispersion for ultrafast spectroscopy. , 2020, , .		0
119	Real-time observation of the intracavity spectral evolution of mode-locked fiber laser. , 2020, , .		0
120	A real-time radio frequency spectrum analyzer with 1.8 THz bandwidth. , 2020, , .		0
121	Discrete optics in optomechanical waveguide arrays. <i>Optics Letters</i> , 2020, 45, 4976.	3.3	4
122	A Switchable Optical Filter between Band-stop and Band-pass Responses. , 2020, , .		0
123	Microstructure and grain growth direction of SRR99 single-crystal superalloy by selective laser melting. <i>Journal of Alloys and Compounds</i> , 2019, 808, 151740.	5.5	32
124	Separation of Rectangularly Symmetric Modes of Light With Fan-Out Elements. <i>IEEE Photonics Journal</i> , 2019, 11, 1-8.	2.0	0
125	Fully integrated CMOS-compatible polarization analyzer. <i>Nanophotonics</i> , 2019, 8, 467-474.	6.0	28
126	Si Photonics for Practical LiDAR Solutions. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 4225.	2.5	69



#	ARTICLE	IF	CITATIONS
127	Large-Temporal-Numerical-Aperture Parametric Spectro-Temporal Analyzer Based on Silicon Waveguide. IEEE Photonics Journal, 2019, 11, 1-10.	2.0	5
128	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. Journal of Materials Science: Materials in Electronics, 2019, 30, 21079-21088.	2.2	3
129	All-in-one silicon photonic polarization processor. Nanophotonics, 2019, 8, 2257-2267.	6.0	47
130	Controllable Kerr and Raman-Kerr frequency combs in functionalized microsphere resonators. Nanophotonics, 2019, 8, 2321-2329.	6.0	23
131	Low-Threshold 4/5 Octave-Spanning Mid-Infrared Frequency Comb in a LiNbO <sub>3</sub> Microresonator. IEEE Photonics Journal, 2019, 11, 1-7.	2.0	0
132	Mode-assisted Silicon Integrated Interferometric Optical Gyroscope. Scientific Reports, 2019, 9, 12946.	3.3	9
133	Integrated High Power Germanium Photodetectors Assisted by Optical Field Manipulation. , 2019, , .		0
134	Integrated Optical Filter Using Spiral-Based Cascaded Mach-Zehnder Interferometers. IEEE Photonics Journal, 2019, 11, 1-13.	2.0	1
135	Field-programmable silicon temporal cloak. Nature Communications, 2019, 10, 2726.	12.8	7
136	Tunable Brillouin and Raman microlasers using hybrid microbottle resonators. Nanophotonics, 2019, 8, 931-940.	6.0	26
137	Photonic Spin Hall Effect: Multidimensional Manipulation of Photonic Spin Hall Effect with a Single-Layer Dielectric Metasurface (Advanced Optical Materials 5/2019). Advanced Optical Materials, 2019, 7, 1970018.	7.3	2
138	Influence of two-photon absorption and free-carrier effects on all-optical logic gates in silicon waveguides. Applied Physics Express, 2019, 12, 042005.	2.4	6
139	Deterministic generation and switching of dissipative Kerr soliton in a thermally controlled micro-resonator. AIP Advances, 2019, 9, .	1.3	62
140	72 GBd graphene-on-plasmonic slot waveguide photodetector. , 2019, , .		0
141	On-chip multi-channel reconfigurable optical delay line array with dynamic power equalization. , 2019, , .		0
142	Flat-top Microwave Photonic Bandpass Filter with Tunable Bandwidth Based on SBS and FWM. , 2019, , .		0
143	On-chip Stokes Polarimeter Based on a Two-dimensional Grating. , 2019, , .		1
144	Tunable high-quality Fano resonance in coupled terahertz whispering-gallery-mode resonators. Applied Physics Letters, 2019, 115, .	3.3	11

#	ARTICLE	IF	CITATIONS
145	Lumped Dissipation Induced Quasi-Phase Matching for Broad and Flat Optical Parametric Processes. IEEE Photonics Journal, 2019, 11, 1-8.	2.0	2
146	Ultra-High-Q Silicon Microring Resonator Based Optoelectronic Oscillator with Stabilized Frequency. , 2019, , .		0
147	Low Polarization Dependent Loss Two-Dimensional Grating Coupler. , 2019, , .		1
148	Design and fabrication of high-Q silicon micro-resonators. , 2019, , .		1
149	Multidimensional Manipulation of Photonic Spin Hall Effect with a Single-layer Dielectric Metasurface. Advanced Optical Materials, 2019, 7, 1801365.	7.3	83
150	Crosstalk Suppressed High Efficient Mode-Selective Four-Wave Mixing Through Tailoring Waveguide Geometry. IEEE Photonics Journal, 2019, 11, 1-8.	2.0	2
151	On-chip programmable pulse processor employing cascaded MZI-MRR structure. Frontiers of Optoelectronics, 2019, 12, 148-156.	3.7	41
152	Frequency Dependence of Parameters in the Modeling of Octave-spanning Kerr Frequency Combs. , 2019, , .		1
153	Integrated silicon multifunctional mode-division multiplexing system. Optics Express, 2019, 27, 10798.	3.4	22
154	Two-dimensional silicon photonic grating coupler with low polarization-dependent loss and high tolerance. Optics Express, 2019, 27, 22268.	3.4	25
155	Photonics-based simultaneous measurement of distance and velocity using multi-band LFM microwave signals with opposite chirps. Optics Express, 2019, 27, 27580.	3.4	20
156	Time-division-multiplexed observation bandwidth for ultrafast parametric spectro-temporal analyzer. Optics Express, 2019, 27, 30441.	3.4	7
157	Mode coupling in a terahertz multi-mode whispering-gallery-mode resonator. Optics Letters, 2019, 44, 2020.	3.3	11
158	On-chip single-mode high-Q terahertz whispering gallery mode resonator. Optics Letters, 2019, 44, 2835.	3.3	19
159	Integrated high-power germanium photodetectors assisted by light field manipulation. Optics Letters, 2019, 44, 3338.	3.3	19
160	Subwavelength polarization splitter-rotator with ultra-compact footprint. Optics Letters, 2019, 44, 4495.	3.3	36
161	Voltage-actuated thermally tunable on-chip terahertz filters based on a whispering gallery mode resonator. Optics Letters, 2019, 44, 4670.	3.3	25
162	Widely tunable optoelectronic oscillator based on selective parity-time-symmetry breaking. Optica, 2019, 6, 944.	9.3	9

#	ARTICLE	IF	CITATIONS
163	Silicon-on-insulator-based microwave photonic filter with widely adjustable bandwidth. Photonics Research, 2019, 7, 110.	7.0	33
164	Wideband adaptive microwave frequency identification using an integrated silicon photonic scanning filter. Photonics Research, 2019, 7, 172.	7.0	38
165	Tunable Kerr frequency combs in an ultrahigh-Q hybrid microsphere cavity. , 2019, , .		0
166	Temporal structured illumination time-stretch microscopy. , 2019, , .		0
167	Tunable on-chip terahertz bandpass filter with narrow bandwidth. , 2019, , .		1
168	Design of high-speed and high-power Si-Ge photodiode assisted by doping region regulation. , 2019, , .		1
169	Stokes polarimeter based on a loose polarization-dependent hologram. , 2019, , .		0
170	Mode demultiplexing based on a three-armed grating coupler. , 2019, , .		0
171	Extended L-band observation of the ultrafast parametric spectro-temporal analyzer. , 2019, , .		0
172	Waveguide Si-Ge avalanche photodiode based on hole-generated impact ionization. , 2019, , .		1
173	Bridge from Visible Light Communication to Telecommunication via Perovskite-Silicon Photonics. , 2019, , .		0
174	Calibration-free time-stretch optical coherence tomography based on higher-order dispersion compensation. , 2019, , .		0
175	Universal multimode waveguide crossing based on transformation optics: publisher's note. Optica, 2019, 6, 125.	9.3	0
176	Dual comb assisted frequency-to-time mapping for rapid wavelength-encoded tomography. , 2019, , .		0
177	Tunable Fano Resonance based on Coupled Whispering-Gallery-Mode Resonators. , 2019, , .		0
178	Spectroscopy characterization of the thermal dynamics in microspherical resonators. , 2019, , .		1
179	Tunable Fano resonance with a high slope rate in a microring-resonator-coupled Mach-Zehnder interferometer. Optics Letters, 2019, 44, 251.	3.3	11
180	Ultrafast discrete swept source based on dual chirped combs for microscopic imaging. Optics Express, 2019, 27, 2621.	3.4	1

#	ARTICLE	IF	CITATIONS
181	Large Modulation Depth Photonic Crystal Waveguide Electro-Absorption Modulator. , 2019, , .		0
182	The design of terahertz two-dimensional grating coupler. , 2019, , .		0
183	Stokes polarimeter with polarization-dependent hologram. , 2019, , .		0
184	Dual-comb spectroscopy for the emission spectrum analysis. , 2019, , .		0
185	Tunable Brillouin microlaser based on a hybrid microbottle resonator. , 2019, , .		0
186	Circulator-free on-chip bidirectional four-wave mixing. Optics Letters, 2019, 44, 1116.	3.3	0
187	Calibration-free time-stretch optical coherence tomography with large imaging depth. Optics Letters, 2019, 44, 4135.	3.3	6
188	Temporally structured illumination for ultrafast time-stretch microscopy. Optics Letters, 2019, 44, 4634.	3.3	2
189	Ultra-compact polarimeter based on a plasmonic spiral assisting by machine learning. OSA Continuum, 2019, 2, 3343.	1.8	1
190	Frequency-Hopping Microwave Generation With a Large Time-Bandwidth Product. IEEE Photonics Journal, 2018, 10, 1-9.	2.0	12
191	A Simplified Photonic Approach to Measuring the Microwave Doppler Frequency Shift. IEEE Photonics Technology Letters, 2018, 30, 246-249.	2.5	30
192	Spectrum Control through Discrete Frequency Diffraction in the Presence of Photonic Gauge Potentials. Physical Review Letters, 2018, 120, 133901.	7.8	92
193	Photonic Multiple Microwave Frequency Measurement Based on Frequency-to-Time Mapping. IEEE Photonics Journal, 2018, 10, 1-7.	2.0	18
194	Monolithic Integrated Chip With SOA and Tunable DI for Multichannel All-Optical Signal Processing. IEEE Photonics Journal, 2018, 10, 1-9.	2.0	6
195	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. Journal of Modern Optics, 2018, 65, 53-63.	1.3	13
196	Integrated Tunable Mode Filter for Mode-Division Multiplexed System. , 2018, , .		0
197	Ultralow Loss Waveguide Crossing with Low Imbalance for Two Transverse Electric Modes. , 2018, , .		1
198	Microwave Photonic Image-Reject Mixer Based on a Tunable Microwave Photonic Filter With High Rejection. IEEE Photonics Journal, 2018, 10, 1-11.	2.0	15

#	ARTICLE	IF	CITATIONS
199	Crossing-Free On-Chip $2 \times 2$ Polarization-Diverse Switch. , 2018, , .		0
200	All-optical controllable electromagnetically induced transparency in coupled silica microbottle cavities. Nanophotonics, 2018, 7, 1669-1677.	6.0	19
201	Ultra-compact multi-channel all-optical switches with improved switching dynamic characteristics. Optics Express, 2018, 26, 25630.	3.4	11
202	De-multiplexing free on-chip low-loss multimode switch enabling reconfigurable inter-mode and inter-path routing. Nanophotonics, 2018, 7, 1571-1580.	6.0	32
203	Crossing-free on-chip $2 \times 2$ polarization-transparent switch with signals regrouping function. Optics Letters, 2018, 43, 4009.	3.3	2
204	Silicon-based polarization analyzer by polarization-frequency mapping. APL Photonics, 2018, 3, .	5.7	11
205	Silicon-Based Polarization Analyzer by Polarization-Frequency Mapping. , 2018, , .		0
206	CMOS-compatible polarizer with tilted polarization angle. Optics Communications, 2018, 426, 35-40.	2.1	2
207	Efficient Thermal Tuning Employing Metallic Microheater With Slow-Light Effect. IEEE Photonics Technology Letters, 2018, 30, 1151-1154.	2.5	6
208	A Continuously Tunable Sub-Gigahertz Microwave Photonic Bandpass Filter Based on an Ultra-High-Q Silicon Microring Resonator. Journal of Lightwave Technology, 2018, 36, 4312-4318.	4.6	89
209	Silicon Integrated Interferometric Optical Gyroscope. Scientific Reports, 2018, 8, 8766.	3.3	33
210	Whispering gallery modes in a single silica microparticle attached to an optical microfiber and their application for highly sensitive displacement sensing. Optics Express, 2018, 26, 195.	3.4	26
211	Time-domain characteristics of ultrafast transverse mode switching based on Si nanowires. Optics Express, 2018, 26, 7899.	3.4	2
212	Optical gradient forces in PT-symmetric coupled-waveguide structures. Optics Express, 2018, 26, 10220.	3.4	14
213	Self-locked orthogonal polarized dual comb in a microresonator. Photonics Research, 2018, 6, 363.	7.0	25
214	Wideband tunable optoelectronic oscillator based on a microwave photonic filter with an ultra-narrow passband. Optics Letters, 2018, 43, 2328.	3.3	48
215	Silicon-on-insulator-based microwave photonic filter with narrowband and ultrahigh peak rejection. Optics Letters, 2018, 43, 1359.	3.3	43
216	Integrated tunable mode filter for a mode-division multiplexing system. Optics Letters, 2018, 43, 3658.	3.3	28

#	ARTICLE	IF	CITATIONS
217	Integrated all-optical programmable logic array based on semiconductor optical amplifiers. Optics Letters, 2018, 43, 2150.	3.3	21
218	Compact double-part grating coupler for higher-order mode coupling. Optics Letters, 2018, 43, 3172.	3.3	34
219	Silicon chip-scale space-division multiplexing: from devices to system. Science China Information Sciences, 2018, 61, 1.	4.3	20
220	All-Optical Tunable Microlaser Based on an Ultrahigh-Q Erbium-Doped Hybrid Microbottle Cavity. ACS Photonics, 2018, 5, 3794-3800.	6.6	58
221	Ultrafast time-stretch microscopy based on dual-comb asynchronous optical sampling. Optics Letters, 2018, 43, 2118.	3.3	30
222	Photonic Microwave Frequency Identification System with a Thermally Tunable Silicon Microring. , 2018, , .		0
223	Mode measurement of few-mode fibers by mode-frequency mapping. Optics Letters, 2018, 43, 1435.	3.3	10
224	Investigation on Expanding the Computing Capacity of Optical Programmable Logic Array Based on Canonical Logic Units. Journal of Lightwave Technology, 2018, 36, 3949-3958.	4.6	5
225	Multiple-dimensional photonic measurements based on mapping technology. , 2018, , .		1
226	An aberration-free ultrafast optical oscilloscope with large temporal window. , 2018, , .		1
227	Fast and Ultra-compact Multi-channel All-optical Switches Based on Silicon Photonic Crystal Nanobeam Cavities. , 2018, , .		1
228	Temporal radio-frequency spectrum analyzer, based on asynchronous optical sampling assisted temporal convolution. Optics Express, 2018, 26, 20735.	3.4	8
229	Compact Grating Coupler for Higher-order Mode Coupling. , 2018, , .		2
230	On the Hamiltonian form of cross-mode modulation in nonlinear optical waveguides. Optics Letters, 2018, 43, 5005.	3.3	3
231	Tunable sub-kHz single-mode fiber laser based on a hybrid microbottle resonator. Optics Letters, 2018, 43, 5315.	3.3	15
232	High-contrast and low-power all-optical switch using Fano resonance based on a silicon nanobeam cavity. Optics Letters, 2018, 43, 5977.	3.3	40
233	Universal multimode waveguide crossing based on transformation optics. Optica, 2018, 5, 1549.	9.3	87
234	Photonic multiple microwave frequency measurement based on a swept frequency silicon microring resonator. , 2018, , .		0

#	ARTICLE	IF	CITATIONS
235	A Tunable Narrowband Microwave Photonic Bandpass Filter with An Ultra-high-Q Silicon Microring Resonator. , 2018, , .		2
236	Temporal differential manipulation of optical frequency chirp. , 2018, , .		0
237	High-resolution time-stretch microscopy based on asynchronous optical sampling. , 2018, , .		0
238	Investigation of semiconductor optical amplifier gain recovery through dual-comb asynchronous optical sampling. , 2018, , .		1
239	A programmable time-stretch microscopy based on dispersion-tuned swept laser. , 2018, , .		0
240	Analyzing the mode distribution of few-mode fiber by mode-frequency mapping. , 2018, , .		0
241	Germanium Photodetector with Carrier Acceleration. , 2018, , .		3
242	Temporal Shack-Hartman wavefront sensor for large temporal phase dynamics recovery. , 2018, , .		0
243	Advances on silicon-based integrated microwave photonics. , 2018, , .		0
244	Parallel radio-frequency signal-processing unit based on mode multiplexed photonic integrated circuit. Optics Express, 2018, 26, 20544.	3.4	7
245	Hamiltonian formulation of cross mode modulation. , 2018, , .		0
246	Silicon based tunable Fano resonance with ultrahigh slope rate and extinction ratio. , 2018, , .		0
247	Orbital Angular Momentum Divider of Light. IEEE Photonics Journal, 2017, 9, 1-8.	2.0	7
248	On-Chip Router Elements Based on Silicon Hybrid Plasmonic Waveguide. IEEE Photonics Technology Letters, 2017, 29, 952-955.	2.5	8
249	Orbital angular momentum complex spectrum analyzer for vortex light based on the rotational Doppler effect. Light: Science and Applications, 2017, 6, e16251-e16251.	16.6	144
250	Repetition Rate Multiplication Pulsed Laser Source Based on a Microring Resonator. ACS Photonics, 2017, 4, 1677-1683.	6.6	32
251	Linear and nonlinear microwave responses of a microwave photonic filter based on a photonic crystal microcavity. Journal of Applied Physics, 2017, 121, .	2.5	5
252	Polarization-Insensitive 3-dB Coupler for Polarization and Wavelength Division Multiplexed Systems. IEEE Photonics Technology Letters, 2017, 29, 102-105.	2.5	6

#	ARTICLE	IF	CITATIONS
253	Measuring the Orbital Angular Momentum State of Light by Coordinate Transformation. IEEE Photonics Technology Letters, 2017, 29, 86-89.	2.5	9
254	Magnetic field sensing using magnetic-fluid-filled optofluidic ring resonator. Microfluidics and Nanofluidics, 2017, 21, 1.	2.2	20
255	A Tunable Single Passband Microwave Photonic Filter of Overcoming Fiber Dispersion Induced Amplitude Fading. IEEE Photonics Journal, 2017, 9, 1-8.	2.0	4
256	An SBS based single passband microwave photonic filter with wideband tunability. , 2017, , .		1
257	Dual-Channel AND Logic Gate Based on Four-Wave Mixing in a Multimode Silicon Waveguide. IEEE Photonics Journal, 2017, 9, 1-6.	2.0	7
258	Dual-channel logic operations via four-wave mixing in a multimode silicon waveguide. , 2017, , .		0
259	Simultaneous multichannel canonical logic units and wavelength conversion based on four-wave mixing. , 2017, , .		0
260	Polarization analyzer based on rotational Doppler Effect. , 2017, , .		0
261	Advances on integrated microwave photonics. , 2017, , .		0
262	Temporal Stability and Spectral Accuracy Enhancement of the Spectro-Temporal Analyzer. IEEE Photonics Technology Letters, 2017, 29, 1971-1974.	2.5	8
263	A real-time broadband radio frequency spectrum analyzer based on time-lens. , 2017, , .		0
264	On-chip optical diode with low power consumption. , 2017, , .		0
265	Ultra-compact multi-channel drop filter in one-dimensional photonic crystal on silicon-on-insulator substrate. , 2017, , .		0
266	Resolution improvement of the large bandwidth and high-speed electrical spectrum analyzer based on dual optical frequency combs. , 2017, , .		1
267	Ultra-Compact linear chirped microwave signal generator. , 2017, , .		1
268	Temporal cloak for data restraint and illusion. , 2017, , .		0
269	Analysis of Performance Optimization for a Microwave Photonic Filter Based on Stimulated Brillouin Scattering. Journal of Lightwave Technology, 2017, 35, 4375-4383.	4.6	22
270	Ultra-Compact Silicon Multimode Bent Waveguide with Ultralow Inter-Mode Crosstalk. , 2017, , .		0



#	ARTICLE	IF	CITATIONS
271	Widely tunable RF signal generation based on cascade microwave photonic filters. , 2017, , .		0
272	Fiber dispersion induced RF power fading compensated microwave photonic filter with a tunable single passband. , 2017, , .		0
273	A simple and accurate criterion to calculate the optimal length of a nonlinear waveguide. , 2017, , .		1
274	Ultra-compact bent multimode silicon waveguide with ultralow inter-mode crosstalk. Optics Letters, 2017, 42, 3004.	3.3	87
275	Ultrafast electrical spectrum analyzer based on all-optical Fourier transform and temporal magnification. Optics Express, 2017, 25, 7520.	3.4	22
276	Energy-efficient on-chip optical diode based on the optomechanical effect. Optics Express, 2017, 25, 8975.	3.4	26
277	Real-time broadband radio frequency spectrum analyzer based on parametric spectro-temporal analyzer (PASTA). Optics Express, 2017, 25, 9416.	3.4	7
278	Tomographic polarization analyzer by polarization-mode-frequency mapping. Optics Express, 2017, 25, 14023.	3.4	10
279	Intra-chip optical interconnection based on polarization division multiplexing photonic integrated circuit. Optics Express, 2017, 25, 28330.	3.4	15
280	Widely tunable fractional-order photonic differentiator using a Mach-Zehnder interferometer coupled microring resonator. Optics Express, 2017, 25, 33305.	3.4	20
281	Broadband on-chip integrator based on silicon photonic phase-shifted Bragg grating. Photonics Research, 2017, 5, 182.	7.0	11
282	Bandwidth-adaptable silicon photonic differentiator employing a slow light effect. Optics Letters, 2017, 42, 1596.	3.3	11
283	Ultra-compact waveguide crossing for a mode-division multiplexing optical network. Optics Letters, 2017, 42, 4913.	3.3	47
284	Demonstration of the temporal illusion and mosaic. Optics Express, 2017, 25, 12455.	3.4	1
285	Photonic linear chirped microwave signal generation based on the ultra-compact spectral shaper using the slow light effect. Optics Letters, 2017, 42, 3299.	3.3	9
286	All-optical control of ultrahigh-Q silica microcavities with iron oxide nanoparticles. Optics Letters, 2017, 42, 5133.	3.3	23
287	Efficient spot size converter for higher-order mode fiber-chip coupling. Optics Letters, 2017, 42, 3702.	3.3	37
288	Optical solver for a system of ordinary differential equations based on an external feedback assisted microring resonator. Optics Letters, 2017, 42, 2310.	3.3	11

#	ARTICLE	IF	CITATIONS
289	On-Chip Optical Feedback Systems for Solving Systems of Ordinary Differential Equations. Journal of Lightwave Technology, 2017, 35, 5185-5192.	4.6	2
290	All-Optical reconfigurable multicast canonical logic units based on four-wave mixing. Electronics Letters, 2017, 53, 1321-1323.	1.0	1
291	125-GHz Microwave Signal Generation Employing an Integrated Pulse Shaper. Journal of Lightwave Technology, 2017, 35, 2741-2745.	4.6	12
292	Three Modes Multiplexed Photonic Integrated Circuit for Large Capacity Optical Interconnection. , 2017, , .		1
293	Frequency-domain light intensity spectrum analyzer based on temporal convolution. Optics Letters, 2017, 42, 2726.	3.3	9
294	Photonic Integrated Chips for Optical Computing. , 2017, , .		4
295	A real-time ultra-broadband radio frequency spectrum analyzer based on parametric spectro-temporal analyzer. , 2017, , .		0
296	Temporal Stability Performance of the Parametric Spectro-temporal Analyzer (PASTA) System. , 2017, , .		0
297	Robust photonic differentiator employing slow light effect in photonic crystal waveguide. , 2017, , .		0
298	Integrated Polarizer with Tilted Polarization Angle. , 2017, , .		0
299	The exploration and practice of the integrative and continuous optoelectronic practical teaching system. , 2017, , .		0
300	Training program developed for senior undergraduates majoring in optical communication. , 2017, , .		0
301	Tunable megahertz bandwidth microwave photonic notch filter based on a silica microsphere cavity. Optics Letters, 2016, 41, 5078.	3.3	33
302	Modeling of a Single-Notch Microfiber Coupler for High-Sensitivity and Low Detection-Limit Refractive Index Sensing. Sensors, 2016, 16, 672.	3.8	4
303	On-chip data exchange for mode division multiplexed signals. Optics Express, 2016, 24, 528.	3.4	67
304	Integrated nonlinear interferometer with wavelength multicasting functionality. Optics Express, 2016, 24, 18217.	3.4	2
305	Reconfigurable symmetric pulses generation using on-chip cascaded optical differentiators. Optics Express, 2016, 24, 20529.	3.4	8
306	On-chip switch for reconfigurable mode-multiplexing optical network. Optics Express, 2016, 24, 21722.	3.4	29

#	ARTICLE	IF	CITATIONS
307	Photonic arbitrary waveform generator based on Taylor synthesis method. Optics Express, 2016, 24, 24390.	3.4	18
308	Extinction ratio and resonant wavelength tuning using three dimensions of silica microresonators. Photonics Research, 2016, 4, 191.	7.0	12
309	Dual-pump Kerr Micro-cavity Optical Frequency Comb with varying FSR spacing. Scientific Reports, 2016, 6, 28501.	3.3	57
310	Enhanced optical gradient forces between coupled graphene sheets. Scientific Reports, 2016, 6, 28568.	3.3	26
311	An ultra-low crosstalk and broadband two-mode (de)multiplexer based on adiabatic couplers. Scientific Reports, 2016, 6, 38494.	3.3	44
312	Retrieving orbital angular momentum distribution of light with plasmonic vortex lens. Scientific Reports, 2016, 6, 27265.	3.3	6
313	Dividing orbital angular momentum of light. , 2016, , .		0
314	Ultrafast gain recovery in a QW-SOA and its application for 40â€‰%â€‰Gb/s regenerative format conversion from NRZ-DPSK to RZ-OOK. Journal of the Optical Society of America B: Optical Physics, 2016, 33, 1291.	2.1	3
315	Reconfigurable photonic temporal differentiator based on a dual-drive Mach-Zehnder modulator. Optics Express, 2016, 24, 11739.	3.4	18
316	Simultaneous Phase Regeneration of MDM Signals Utilizing a Multimode Silicon Waveguide. Journal of Lightwave Technology, 2016, 34, 2702-2709.	4.6	2
317	High-Order Mode Rotator on the SOI Integrated Platform. IEEE Photonics Journal, 2016, 8, 1-8.	2.0	3
318	Integrated tunable optical add/drop filter for polarization and wavelength multiplexed signals. Optics Express, 2016, 24, 7069.	3.4	8
319	High speed and high power polarization insensitive germanium photodetector with lumped structure. Optics Express, 2016, 24, 10030.	3.4	18
320	Two-dimensional grating coupler with a low polarization dependent loss of 0.25â€‰%â€‰dB covering the C-band. Optics Letters, 2016, 41, 4206.	3.3	42
321	Linear all-optical signal processing using silicon micro-ring resonators. Frontiers of Optoelectronics, 2016, 9, 362-376.	3.7	5
322	Linear optical signal processing with optical filters: a tutorial. Frontiers of Optoelectronics, 2016, 9, 377-389.	3.7	2
323	Comparison of wavelength conversion efficiency between silicon waveguide and microring resonator. Frontiers of Optoelectronics, 2016, 9, 390-394.	3.7	3
324	Mode Splitter Without Changing the Mode Order in SOI Waveguide. IEEE Photonics Technology Letters, 2016, 28, 2597-2600.	2.5	20

#	ARTICLE	IF	CITATIONS
325	Theoretical analysis and experimental verification on optical rotational Doppler effect. Optics Express, 2016, 24, 10050.	3.4	80
326	Switchable in-line monitor for multi-dimensional multiplexed photonic integrated circuit. Optics Express, 2016, 24, 14841.	3.4	4
327	Tunable bandpass microwave photonic filter with ultrahigh stopband attenuation and skirt selectivity. Optics Express, 2016, 24, 18655.	3.4	30
328	All-optical wavelength conversion for mode division multiplexed superchannels. Optics Express, 2016, 24, 8926.	3.4	21
329	Tunable polarization beam splitter based on optofluidic ring resonator. Optics Express, 2016, 24, 17511.	3.4	20
330	Integrated switchable mode exchange for reconfigurable mode-multiplexing optical networks. Optics Letters, 2016, 41, 3257.	3.3	93
331	Switchable Microwave Photonic Filter Between Low-Pass and High-Pass Responses. IEEE Photonics Journal, 2016, 8, 1-8.	2.0	3
332	A Low Crosstalk and Broadband Polarization Rotator and Splitter Based on Adiabatic Couplers. IEEE Photonics Technology Letters, 2016, 28, 2253-2256.	2.5	22
333	40 Gb/s reconfigurable optical logic gates based on FWM in silicon waveguide. Optics Express, 2016, 24, 2701.	3.4	25
334	Generation of Millimeter-Wave Ultra-Wideband Pulses Free of Strong Local Oscillation and Background. IEEE Photonics Technology Letters, 2016, 28, 2363-2366.	2.5	5
335	High-order mode rotator for Si integrated circuits. , 2016, , .		0
336	Dispersion engineering of a As <sub>2</sub> Se <sub>3</sub> -based strip/slot hybrid waveguide for mid-infrared broadband wavelength conversion. Modern Physics Letters B, 2016, 30, 1650336.	1.9	7
337	Flat-top bandpass microwave photonic filter with tunable bandwidth and center frequency based on a Fabry-Pérot semiconductor optical amplifier. Optics Letters, 2016, 41, 3301.	3.3	9
338	Monolithically mode division multiplexing photonic integrated circuit for large-capacity optical interconnection. Optics Letters, 2016, 41, 3543.	3.3	33
339	Performance improvement by enhancing the well-barrier hole burning in a quantum well semiconductor optical amplifier. Frontiers of Optoelectronics, 2016, 9, 353-361.	3.7	0
340	A Special issue on Semiconductor optoelectronics dedicated to Prof. Dexiu Huang's 80th birthday. Frontiers of Optoelectronics, 2016, 9, 339-340.	3.7	0
341	A dual-detector optical receiver for PDM signals detection. Scientific Reports, 2016, 6, 26469.	3.3	4
342	Tunable Image Rotator of Light With Optical Geometric Transformation. IEEE Photonics Journal, 2016, 8, 1-7.	2.0	2

#	ARTICLE	IF	CITATIONS
343	A temporal cloak based on ultra-short-pulse generation and time-domain fraunhofer diffraction. , 2016, , .		0
344	Route-asymmetrical light transmission of a fiber-chip-fiber optomechanical system. Frontiers of Optoelectronics, 2016, 9, 489-496.	3.7	2
345	Application of Coupled Optoelectronic Oscillator on Optical Sampling. Procedia Engineering, 2016, 140, 12-16.	1.2	6
346	Ultra-high Q one-dimensional hybrid PhC-SPP waveguide microcavity with large structure tolerance. Journal of Modern Optics, 2016, 63, 1158-1165.	1.3	3
347	Integrated dual-mode 3â€dB power coupler based on tapered directional coupler. Scientific Reports, 2016, 6, 23516.	3.3	71
348	A Novel Sharply Bent Silicon Multimode Waveguide with Ultrahigh Mode Extinction Ratio. , 2016, , .		6
349	Silicon mode multiplexer processing dual-path mode-division multiplexing signals. Optics Letters, 2016, 41, 5511.	3.3	26
350	Multidimensional tuning of silica whispering-gallery microcapillary resonators. , 2016, , .		0
351	Ultrafast and large bandwidth spectrum analyzer based on microwave photonics and temporal magnification. , 2016, , .		1
352	Efficient edge coupler for higher order mode fiber-to-chip coupling. , 2016, , .		0
353	Improved full-field information characterization of ultrashort pulses by introducing an extra time-lens. , 2016, , .		1
354	40 Gb/s Regenerative and Wavelength-Converting Format Conversion from NRZ-QPSK to RZ-OOK using Ultrafast Gain Recovery in a Single SOA. , 2016, , .		0
355	Experimental demonstration of reconfigurable pulses generation based on integrated optical differentiators. , 2016, , .		0
356	An all-silicon passive six-port circuit of all-optical ordered-route transmission. , 2016, , .		0
357	Scalability and tunability of the silicon circuit supporting on-chip ordered-route light transmission. , 2016, , .		1
358	Whispering gallery modes in a single silica microparticle attached to an optical microfiber. , 2016, , .		0
359	Optical gradient force between coupled graphene sheets. , 2016, , .		0
360	An integrated mode (de)multiplexer based on adiabatic couplers. , 2016, , .		0

#	ARTICLE	IF	CITATIONS
361	Magnetic-field sensor based on magnetic-fluid-filled silica microcapillary resonator. , 2016, , .		0
362	Optical holographic anti-counterfeiting using a plasmonic metasurface. , 2016, , .		0
363	Single step etched two dimensional grating coupler based on the SOI platform. Optics Express, 2015, 23, 32490.	3.4	35
364	Nonreciprocal light transmission based on the thermal radiative effect. , 2015, , .		0
365	Sub-wavelength grating assisted 3-dB colorless directional coupler for TM mode. , 2015, , .		0
366	Bandwidth improvement for germanium photodetector using wire bonding technology. Optics Express, 2015, 23, 25700.	3.4	27
367	Ultra efficient silicon nitride grating coupler with bottom grating reflector. Optics Express, 2015, 23, 26305.	3.4	35
368	On-chip WDM mode-division multiplexing interconnection with optional demodulation function. Optics Express, 2015, 23, 32130.	3.4	38
369	On-chip passive three-port circuit of all-optical ordered-route transmission. Scientific Reports, 2015, 5, 10190.	3.3	32
370	Optical Nonreciprocity in Asymmetric Optomechanical Couplers. Scientific Reports, 2015, 5, 8657.	3.3	51
371	High Q one-dimensional photonic crystal slot nanobeam cavity for high-sensitivity refractive index sensing. , 2015, , .		0
372	Optical Phase Erasure and Wavelength Conversion Using Silicon Nonlinear Waveguide With Reverse Biased PIN Junctions. IEEE Photonics Journal, 2015, 7, 1-8.	2.0	3
373	Integrated all-optical three-port circuit of ordered-route transmission. , 2015, , .		0
374	Designing Appointed and Multiple Focuses With Plasmonic Vortex Lenses. IEEE Photonics Journal, 2015, 7, 1-7.	2.0	9
375	Terahertz-bandwidth photonic temporal differentiator based on a silicon-on-insulator directional coupler. Optics Letters, 2015, 40, 5614.	3.3	24
376	Compact tunable microwave photonic filters based on cascaded microring resonators. , 2015, , .		0
377	Experimental observation of optical differentiation and optical Hilbert transformation using a single SOI microdisk chip. Scientific Reports, 2015, 4, 3960.	3.3	27
378	Low-loss slow-light in periodic plasmonic waveguides. IEEE Photonics Technology Letters, 2015, , 1-1.	2.5	2

#	ARTICLE	IF	CITATIONS
379	Phase regeneration for polarization-division multiplexed signals based on vector dual-pump nondegenerate phase sensitive amplification. Optics Express, 2015, 23, 2010.	3.4	22
380	Optical nonreciprocity with large bandwidth in asymmetric hybrid slot waveguide coupler. Optics Express, 2015, 23, 3690.	3.4	9
381	All-optical 1st- and 2nd-order differential equation solvers with large tuning ranges using Fabry-Pérot semiconductor optical amplifiers. Optics Express, 2015, 23, 3784.	3.4	16
382	Arbitrary waveform generator and differentiator employing an integrated optical pulse shaper. Optics Express, 2015, 23, 12161.	3.4	35
383	Operation bandwidth optimization of photonic differentiators. Optics Express, 2015, 23, 18925.	3.4	8
384	Chip-integrated all-optical 4-bit Gray code generation based on silicon microring resonators. Optics Express, 2015, 23, 21414.	3.4	26
385	Canonical logic units using bidirectional four-wave mixing in highly nonlinear fiber. Photonics Research, 2015, 3, 164.	7.0	7
386	On-chip optical pulse shaper and its application in arbitrary waveform generation. , 2015, , .		0
387	Theoretical Analysis and Experimental Investigation of Degenerate Phase-Sensitive Amplification in a Semiconductor Optical Amplifier. Journal of Lightwave Technology, 2015, 33, 4001-4007.	4.6	4
388	Tunable Slow Light Based on Plasmon-Induced Transparency in Dual-Stub-Coupled Waveguide. IEEE Photonics Technology Letters, 2015, 27, 89-92.	2.5	32
389	60 GHz Germanium Photodetector Using Wire Bonding Technology. , 2015, , .		0
390	Multi frequency components generation using cascaded time lenses based on space-time duality. , 2015, , .		0
391	Optofluidic Polarization Beam Splitter. , 2015, , .		0
392	Phase Erasure and Wavelength Conversion Using Silicon Nonlinear Waveguide With Reverse Biased PIN Junctions. , 2015, , .		0
393	Thermal-tuned optical pulse shaper for arbitrary waveform generation with integrated waveguides. , 2015, , .		0
394	Phase-preserving amplitude noise compression of a 40Gb/s DPSK signal based on cross-gain compression in SOAs. , 2015, , .		0
395	A Four-port Polarization Diversity Coupler for Vertical Fiber-Chip Coupling. , 2015, , .		4
396	Broadband and polarization insensitive 3 dB coupler based on tapered three-guide structure. , 2015, , .		1

#	ARTICLE	IF	CITATIONS
397	Canonical Logic Units using Bidirectional Four-Wave Mixing in Highly Nonlinear Fiber. , 2015, , .		0
398	SOI based Photonic Interconnection for Multi-Dimensional Multiplexed System. , 2015, , .		1
399	Photonics Integrated Circuit for WDM Mode Division Multiplexing with Phase to Intensity Demodulation. , 2015, , .		0
400	Detecting orbital angular momentum of light with an arc slit. , 2015, , .		1
401	Optionally focusing with plasmonic vortex lens. , 2015, , .		1
402	Ultra-wide band signal generation using a coupling-tunable silicon microring resonator. Optics Express, 2014, 22, 6078.	3.4	8
403	Generation of Terahertz Vortices Using Metasurface With Circular Slits. IEEE Photonics Journal, 2014, 6, 1-7.	2.0	38
404	Diversity of photonic differentiators based on flexible demodulation of phase signals. Chinese Physics B, 2014, 23, 033201.	1.4	6
405	Manipulation of orbital angular momentum beams based on space diffraction compensation. Optics Express, 2014, 22, 17756.	3.4	7
406	Reconfigurable Temporal Fourier Transformation and Temporal Imaging. Journal of Lightwave Technology, 2014, 32, 4565-4570.	4.6	8
407	Silicon-Based Integrated Comb Filter and Demultiplexer for Simultaneous WDM Signal Processing. IEEE Journal of Selected Topics in Quantum Electronics, 2014, 20, 240-247.	2.9	5
408	All-Optical NRZ-DPSK to RZ-OOK Modulation Format Conversion for Wavelength Multicasting Based on a Single SOA. , 2014, , .		0
409	Short and efficient mode-size converter designed by segmented-stepwise method. Optics Letters, 2014, 39, 6273.	3.3	34
410	Efficient side-coupling into the slow light modes of photonic crystal slot waveguides. , 2014, , .		0
411	An SOI Based Polarization Insensitive Filter for All-optical Clock Recovery. , 2014, , .		0
412	Hybrid coding method of multiple orbital angular momentum states based on the inherent orthogonality. Optics Letters, 2014, 39, 731.	3.3	10
413	Generation of terahertz vortices by using metasurface with polarization dependent slits. , 2014, , .		0
414	Optical force based linear and wideband optical isolator. , 2014, , .		0



#	ARTICLE	IF	CITATIONS
415	Triangular-shaped pulse generation based on self-convolution of a rectangular-shaped pulse. Optics Letters, 2014, 39, 2258.	3.3	67
416	Iron-oxide nanoparticles embedded silica microsphere resonator exhibiting broadband all-optical wavelength tunability. Optics Letters, 2014, 39, 3845.	3.3	29
417	Experimental demonstration and devices optimization of NRZ-DPSK amplitude regeneration scheme based on SOAs. Optics Express, 2014, 22, 32138.	3.4	7
418	Fractional-order photonic differentiator using an on-chip microring resonator. Optics Letters, 2014, 39, 6355.	3.3	36
419	Design of an ultra-short coupler in an asymmetric twin-waveguide structure using transformation optics. Applied Optics, 2014, 53, 7831.	2.1	2
420	An SOI based polarization insensitive filter for all-optical clock recovery. Optics Express, 2014, 22, 6647.	3.4	7
421	Temporal imaging using a time pinhole. Optics Express, 2014, 22, 8076.	3.4	50
422	Expanded all-optical programmable logic array based on multi-input/output canonical logic units. Optics Express, 2014, 22, 9959.	3.4	18
423	Tunable fractional-order differentiator using an electrically tuned silicon-on-insulator Mach-Zehnder interferometer. Optics Express, 2014, 22, 18232.	3.4	25
424	On-chip high-speed optical detection based on an optical rectification scheme in silicon plasmonic platform. Optics Express, 2014, 22, 27504.	3.4	4
425	Integrated programmable photonic filter on the silicon-on-insulator platform. Optics Express, 2014, 22, 31993.	3.4	34
426	Enhanced mid-to-near-infrared second harmonic generation in silicon plasmonic microring resonators with low pump power. Photonics Research, 2014, 2, 143.	7.0	17
427	Tunable photonic differentiator and integrator with a silicon microring resonator. , 2014, , .		2
428	High-yield second-harmonic generation from mid-infrared to near-infrared regions in silicon-organic hybrid plasmonic waveguides. Proceedings of SPIE, 2014, , .	0.8	1
429	Dynamic interferometry measurement of orbital angular momentum of light. Optics Letters, 2014, 39, 6058.	3.3	35
430	Route-asymmetrical optical transmission and logic gate based on optical gradient force. Optics Express, 2014, 22, 25947.	3.4	8
431	Wide Locking Range and Multi-Channel Clock Recovery Using a Silicon Microring Resonator. IEEE Photonics Technology Letters, 2014, 26, 293-296.	2.5	4
432	Comparison analysis of microwave photonic filter using SOI microring and microdisk resonators. , 2014, , .		0

#	ARTICLE	IF	CITATIONS
433	Double metal subwavelength slit arrays interference to measure the orbital angular momentum and the polarization of light. <i>Optics Letters</i> , 2014, 39, 3173.	3.3	36
434	Phase regeneration of phase modulated signals in mode multiplexed system using a silicon waveguide. , 2014, , .		1
435	N-dimensional multiplexing link with 1.036-Pbit/s transmission capacity and 112.6-bit/s/Hz spectral efficiency using OFDM-8QAM signals over 368 WDM pol-muxed 26 OAM modes. , 2014, , .		53
436	Chromatic dispersion monitoring using semiconductor optical amplifier. <i>Frontiers of Optoelectronics</i> , 2014, 7, 399-405.	3.7	0
437	Photonic generation of UWB impulses by using a Fabry-Pérot semiconductor optical amplifier. <i>Optics Communications</i> , 2014, 315, 356-361.	2.1	0
438	On-chip multiplexing conversion between wavelength division multiplexing and polarization division multiplexing and wavelength division multiplexing and mode division multiplexing. <i>Optics Letters</i> , 2014, 39, 758.	3.3	51
439	Wideband and Compact TE-Pass/TM-Stop Polarizer Based on a Hybrid Plasmonic Bragg Grating for Silicon Photonics. <i>Journal of Lightwave Technology</i> , 2014, 32, 1383-1386.	4.6	34
440	Photonic Hilbert Transformer Employing On-Chip Photonic Crystal Nanocavity. <i>Journal of Lightwave Technology</i> , 2014, 32, 3704-3709.	4.6	13
441	All-optical tuning of a magnetic-fluid-filled optofluidic ring resonator. <i>Lab on A Chip</i> , 2014, 14, 3004.	6.0	65
442	High efficiency asymmetric directional coupler for slow light slot photonic crystal waveguides. <i>Optics Express</i> , 2014, 22, 11021.	3.4	6
443	Electrically controlled second-harmonic generation in silicon-compatible plasmonic slot waveguides: a new modulation scheme. <i>Optics Letters</i> , 2014, 39, 4001.	3.3	7
444	On-Chip Multiplexing Conversion between PDM and MDM. , 2014, , .		0
445	On-Chip Demultiplexing of Polarization and Wavelength Multiplexed OFDM/OQAM 64/128-QAM Signals using Silicon 2D Grating Coupler and Microring Resonators. , 2014, , .		3
446	Chip-integrated optical power limiter based on an all-passive micro-ring resonator. <i>Scientific Reports</i> , 2014, 4, 6676.	3.3	11
447	All-optical differential equation solver with constant-coefficient tunable based on a single microring resonator. <i>Scientific Reports</i> , 2014, 4, 5581.	3.3	41
448	High-Order Mode Polarization Rotator for All Optical SDM-PDM Signals Processing. , 2014, , .		0
449	Enhanced mid-to-near-infrared second harmonic generation in silicon-organic hybrid plasmonic microring resonators. , 2014, , .		0
450	All-optical control of optofluidic ring resonator filled with magnetic fluid. , 2014, , .		0

#	ARTICLE	IF	CITATIONS
451	Novel Optical Multibistability and Multistability Characteristics of Coupled Active Microrings. IEEE Journal of Quantum Electronics, 2013, 49, 365-374.	1.9	3
452	Simultaneous multi-channel RZ-OOK/DPSK to NRZ-OOK/DPSK format conversion based on integrated delay interferometers and arrayed-waveguide grating. Science China Technological Sciences, 2013, 56, 558-562.	4.0	7
453	Chromatic dispersion monitoring using four wave mixing of semiconductor optical amplifier. , 2013, , .		1
454	Multi-channel format conversion based on a SOA and a Si integrated comb filter and demultiplexer. , 2013, , .		0
455	All-optical analog signal processing technologies with SOI-based microring resonators. , 2013, , .		0
456	Photonic Generation of Precisely $\pi$ Phase-Coded Microwave Signal With Broadband Tunability. IEEE Photonics Technology Letters, 2013, 25, 2466-2469.	2.5	12
457	An optically tunable optoelectronic oscillator incorporating a bandpass microwave photonic filter. , 2013, , .		0
458	All-Optical Format Conversion for Multichannel QPSK Signals. Journal of Lightwave Technology, 2013, 31, 375-384.	4.6	17
459	All-optical amplitude regeneration of non-return-to-zero differential-phase-shift-keying signal. Optics Communications, 2013, 298-299, 83-87.	2.1	2
460	Compact Notch Microwave Photonic Filters Using On-Chip Integrated Microring Resonators. IEEE Photonics Journal, 2013, 5, 5500307-5500307.	2.0	57
461	Coherent emission of light using stacked gratings. Physical Review B, 2013, 87, .	3.2	39
462	Photonic multi-shape UWB pulse generation using a semiconductor optical amplifier-based nonlinear optical loop mirror. Chinese Physics B, 2013, 22, 023201.	1.4	3
463	A single passband microwave photonic filter with flat-top and steep transition edges. Optics Communications, 2013, 286, 95-98.	2.1	4
464	All-optical three-input logic minterms generation using semiconductor optical amplifier-based Sagnac interferometer. Electronics Letters, 2013, 49, 1467-1468.	1.0	2
465	High-order all-optical differential equation solver based on microring resonators. Optics Letters, 2013, 38, 3735.	3.3	33
466	High-order photonic differentiator employing on-chip cascaded microring resonators. Optics Letters, 2013, 38, 628.	3.3	46
467	Efficient second harmonic generation from mid-infrared to near-infrared regions in silicon-organic hybrid plasmonic waveguides with small fabrication-error sensitivity and a large bandwidth. Optics Letters, 2013, 38, 2089.	3.3	15
468	SOI based ultracompact polarization insensitive filter for PDM signal processing. Optics Letters, 2013, 38, 2379.	3.3	10

#	ARTICLE	IF	CITATIONS
469	An optically tunable wideband optoelectronic oscillator based on a bandpass microwave photonic filter. Optics Express, 2013, 21, 16381.	3.4	89
470	Single SOA based simultaneous amplitude regeneration for WDM-PDM RZ-PSK signals. Optics Express, 2013, 21, 6718.	3.4	2
471	All-optical computation system for solving differential equations based on optical intensity differentiator. Optics Express, 2013, 21, 7008.	3.4	40
472	Compact, flexible and versatile photonic differentiator using silicon Mach-Zehnder interferometers. Optics Express, 2013, 21, 7014.	3.4	40
473	Highly efficient phase-matched second harmonic generation using an asymmetric plasmonic slot waveguide configuration in hybrid polymer-silicon photonics. Optics Express, 2013, 21, 14876.	3.4	34
474	Silicon based polarization insensitive filter for WDM-PDM signal processing. Optics Express, 2013, 21, 25727.	3.4	11
475	All-optical 10 Gb/s AND logic gate in a silicon microring resonator. Optics Express, 2013, 21, 25772.	3.4	34
476	Slow light in an alternative row of ellipse-hole photonic crystal waveguide. Applied Optics, 2013, 52, 1155.	1.8	40
477	Phase regeneration of phase-shift keying signals in highly nonlinear hybrid plasmonic waveguides. Optics Letters, 2013, 38, 848.	3.3	25
478	Compact in-line optical notch filter based on an asymmetric microfiber coupler. Applied Optics, 2013, 52, 8834.	1.8	15
479	In-line polarization-dependent microfiber interferometers and their applications in UWB signal generation. Optics Express, 2013, 21, 8231.	3.4	12
480	Proposal of a Si based device for multiplexing conversion between PDM and MDM. Proceedings of SPIE, 2013, , .	0.8	0
481	Comparison analysis of optical frequency comb generation with nonlinear effects in highly nonlinear fibers. Optics Express, 2013, 21, 8508.	3.4	76
482	WDM-PDM signal processing based on a silicon polarization insensitive filter. , 2013, , .		0
483	Systematic Comparison of FWM Conversion Efficiency in Silicon Waveguides and MRRs. , 2013, , .		0
484	High-order Photonic Differentiator using On-chip Cascaded Mach-Zehnder Interferometers. , 2013, , .		0
485	Efficient injection of light into slow light slot photonic crystal waveguides using an asymmetric directional coupler scheme. , 2013, , .		0
486	Wide range and multi-channel all-optical clock recovery using a silicon microring resonator assisted by a semiconductor optical amplifier. , 2013, , .		1

#	ARTICLE	IF	CITATIONS
487	Single-notch Filter Based on a Compact Asymmetric Microfiber Coupler. , 2013, , .		0
488	Phase Regeneration of PDM Signals using Phase Sensitive Amplification. , 2013, , .		0
489	All-Optical Signal Processing with SOI-based Microring Resonators. , 2013, , .		0
490	Efficient mid-to-near-infrared second harmonic generation based on silicon-organic hybrid plasmonic waveguides. , 2013, , .		0
491	Arbitrary-waveform-decomposition technique applied to the Schrödinger equation. Optical Engineering, 2012, 51, 105006-1.	1.0	0
492	Reconfigurable all-optical dual-directional half-subtractor for high-speed differential phase shift keying signal based on semiconductor optical amplifiers. Chinese Physics B, 2012, 21, 024209.	1.4	2
493	All-Optical Temporal Differentiator Using a High Resolution Optical Arbitrary Waveform Shaper. Chinese Physics Letters, 2012, 29, 014203.	3.3	10
494	Simultaneous RZ-OOK to NRZ-OOK and RZ-DPSK to NRZ-DPSK format conversion in a silicon microring resonator. Optics Express, 2012, 20, 27263.	3.4	20
495	Acceleration of carrier recovery in a quantum well semiconductor optical amplifier due to the tunneling effect. Journal of the Optical Society of America B: Optical Physics, 2012, 29, 2990.	2.1	3
496	Photonic generation of ultra-wideband doublet pulse using a semiconductor-optical-amplifier based polarization-diversified loop. Optics Letters, 2012, 37, 2217.	3.3	11
497	Theoretical investigation on gain recovery dynamics in step quantum well semiconductor optical amplifiers. Journal of the Optical Society of America B: Optical Physics, 2012, 29, 607.	2.1	7
498	41.6 Gb/s RZ-DPSK to NRZ-DPSK format conversion in a microring resonator. , 2012, , .		1
499	Photonic generation of UWB doublet pulse based on XPM in an SOA-based NOLM. , 2012, , .		3
500	Nanohole induced microfiber Bragg gratings. Optics Express, 2012, 20, 28625.	3.4	18
501	Photonic generation of arbitrary waveforms based on incoherent wavelength-to-time mapping. Chinese Physics B, 2012, 21, 068401.	1.4	5
502	RZ-DQPSK Signal Amplitude Regeneration Using a Semiconductor Optical Amplifier. Chinese Physics Letters, 2012, 29, 044205.	3.3	1
503	Photonic generation of power-efficient FCC-compliant ultra-wideband waveforms using semiconductor optical amplifier (SOA): theoretical analysis and experiment verification. Chinese Physics B, 2012, 21, 043201.	1.4	4
504	Single- and Dual-Channel DPSK Signal Amplitude Regeneration Based on a Single Semiconductor Optical Amplifier. Chinese Physics Letters, 2012, 29, 054202.	3.3	1

#	ARTICLE	IF	CITATIONS
505	A Slot Micro/Nano Fiber With Elliptical Low-Index Core. IEEE Photonics Journal, 2012, 4, 1610-1621.	2.0	1
506	Gain and phase dynamics in strained quantum well semiconductor optical amplifiers. , 2012, , .		1
507	All-optical programmable logic arrays using SOA-based canonical logic units. , 2012, , .		0
508	Chromatic Dispersion Monitoring for NRZ-DPSK System Using Asynchronous Amplitude Histogram Evaluation. IEEE Photonics Journal, 2012, 4, 1212-1219.	2.0	6
509	Flat Band Slow Light With High Coupling Efficiency in One-Dimensional Grating Waveguides. IEEE Photonics Technology Letters, 2012, 24, 7-9.	2.5	17
510	Parallel Eight Channels All-Optical NRZ-to-RZ Format Conversions at 40 Gb/s Using a Single SOA. IEEE Photonics Technology Letters, 2012, 24, 1091-1093.	2.5	6
511	Bandwidth-Tunable Single-Carrier UWB Monocycle Generation Using a Nonlinear Optical Loop Mirror. IEEE Photonics Technology Letters, 2012, 24, 1646-1649.	2.5	8
512	All-Optical Format Conversion for Polarization and Wavelength Division Multiplexed System. IEEE Photonics Technology Letters, 2012, 24, 1606-1609.	2.5	9
513	All-Optical Canonical Logic Units-Based Programmable Logic Array (CLUs-PLA) Using Semiconductor Optical Amplifiers. Journal of Lightwave Technology, 2012, 30, 3532-3539.	4.6	30
514	Reconfigurable Four-Input Photonic Logic Minterms and Maxterms Generation Using SOAs. IEEE Photonics Technology Letters, 2012, 24, 985-987.	2.5	2
515	Multichannel All-Optical RZ-PSK Amplitude Regeneration Based on the XPM Effect in a Single SOA. Journal of Lightwave Technology, 2012, 30, 3633-3639.	4.6	8
516	Longitudinal coupling effect in microfiber Bragg gratings. Optics Communications, 2012, 285, 4655-4659.	2.1	2
517	Power-efficient UWB generation based on hybrid of optical fiber link and RF circuits. Proceedings of SPIE, 2012, , .	0.8	0
518	40-Gb/s all-optical digital 4-bit priority encoder employing cross-gain modulation in semiconductor optical amplifiers. Science Bulletin, 2012, 57, 1204-1208.	1.7	5
519	All-optical format conversion from RZ-QPSK to NRZ-QPSK. Frontiers of Optoelectronics, 2012, 5, 330-333.	3.7	1
520	Competition mechanism of multiple four-wave mixing in highly nonlinear fiber: spatial instability and satellite characteristics. Frontiers of Optoelectronics, 2012, 5, 414-428.	3.7	0
521	Simple solutions for photonic power-efficient ultra-wideband system assisted by electrical bandpass filter. Frontiers of Optoelectronics, 2012, 5, 403-413.	3.7	2
522	Reconfigurable photonic full-adder and full-subtractor based on three-input XOR gate and logic minterms. Electronics Letters, 2012, 48, 399.	1.0	25

#	ARTICLE	IF	CITATIONS
523	Linear signal processing using silicon micro-ring resonators. , 2012, , .		1
524	40-Gbit/s 3-input all-optical priority encoder based on cross-gain modulation in two parallel semiconductor optical amplifiers. <i>Frontiers of Optoelectronics</i> , 2012, 5, 195-199.	3.7	0
525	A simple experimental scheme for M-QAM optical signals generation. <i>Frontiers of Optoelectronics</i> , 2012, 5, 200-207.	3.7	2
526	Pulse-width tunable multi-channel NRZ-to-RZ conversion with duplicate output. <i>Optics Communications</i> , 2012, 285, 109-112.	2.1	2
527	Simultaneous all-optical digital comparator and dual-directional half-subtractor for two-input 40Gbit/s DPSK signals employing SOAs. <i>Optics Communications</i> , 2012, 285, 407-411.	2.1	12
528	Photonic generation of millimeter-wave ultra-wideband signal using phase modulation to intensity modulation conversion and frequency up-conversion. <i>Optics Communications</i> , 2012, 285, 1748-1752.	2.1	9
529	All-Optical Clock Recovery Using a Single Fabry-Pérot Semiconductor Optical Amplifier. <i>Journal of Lightwave Technology</i> , 2012, 30, 1632-1637.	4.6	5
530	An Ultracompact DP-QPSK Demodulator Based on Multimode Interference and Photonic Crystals. <i>Journal of Lightwave Technology</i> , 2012, 30, 1595-1601.	4.6	10
531	UWB Monocycle Generation and Bi-Phase Modulation Based on Mach-Zehnder Modulator and Semiconductor Optical Amplifier. <i>IEEE Photonics Journal</i> , 2012, 4, 327-339.	2.0	20
532	All-Optical Millimeter-Wave Ultrawideband Signal Generation Using a Nonlinear Optical Loop Mirror. <i>IEEE Photonics Journal</i> , 2012, 4, 350-356.	2.0	5
533	Noise Suppression Mechanisms in Regenerators Based on XGC in an SOA With Subsequent Optical Filtering. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2012, 18, 935-949.	2.9	9
534	6*40Gb/s all-optical RZ-DPSK amplitude regeneration based on XPM effect in a single SOA. , 2012, , .		0
535	Ultra-wide band signal generation using a silicon micro-ring resonator. , 2011, , .		0
536	Low Dispersion Slow Light in Slot Waveguide Grating. <i>IEEE Photonics Technology Letters</i> , 2011, 23, 1700-1702.	2.5	13
537	Ultra-Wideband Generation Based on Cascaded Mach-Zehnder Modulators. <i>IEEE Photonics Technology Letters</i> , 2011, 23, 1754-1756.	2.5	23
538	All-Optical Logic Minterms for Three-Input Demodulated Differential Phase-Shift Keying Signals at 40 Gb/s. <i>IEEE Photonics Technology Letters</i> , 2011, 23, 118-120.	2.5	14
539	A Tunable Microwave Photonic Filter Based on an All-Optical Differentiator. <i>IEEE Photonics Technology Letters</i> , 2011, 23, 308-310.	2.5	34
540	40-Gb/s 16-ary All-Optical Logic Minterms Generation for Four-Line Inputs. <i>IEEE Photonics Technology Letters</i> , 2011, 23, 1322-1324.	2.5	4



#	ARTICLE	IF	CITATIONS
541	Multi-Channel 40 Gbit/s NRZ-DPSK Demodulation Using a Single Silicon Microring Resonator. Journal of Lightwave Technology, 2011, 29, 677-684.	4.6	37
542	Single Passband Microwave Photonic Filter With Continuous Wideband Tunability Based on Electro-Optic Phase Modulator and Fabry-Pérot Semiconductor Optical Amplifier. Journal of Lightwave Technology, 2011, 29, 3542-3550.	4.6	29
543	All-optical clock recovery from 40 Gbit/s RZ signal based on microring resonators. Applied Optics, 2011, 50, 5390.	2.1	6
544	Instantaneous frequency measurement based on transversal microwave filters with high resolution. Chinese Optics Letters, 2011, 9, 051202-51204.	2.9	1
545	Bandwidth and wavelength-tunable optical bandpass filter based on silicon microring-MZI structure. Optics Express, 2011, 19, 6462.	3.4	108
546	Generation of a 640 Gbit/s NRZ OTDM signal using a silicon microring resonator. Optics Express, 2011, 19, 6471.	3.4	22
547	All-optical binary phase-coded UWB signal generation for multi-user UWB communications. Optics Express, 2011, 19, 10587.	3.4	13
548	Simultaneous all-optical demodulation and format conversion for multi-channel (CS)RZ-DPSK signals. Optics Express, 2011, 19, 12427.	3.4	21
549	All-optical parallel NRZ-DPSK to RZ-DPSK format conversion at 40 Gb/s based on XPM effect in a single SOA. Optics Express, 2011, 19, 14720.	3.4	17
550	Dual-band optical filter based on a single microdisk resonator. Optics Letters, 2011, 36, 4494.	3.3	19
551	Cascaded Microwave Photonic Filters with Multiple Infinite Impulse Responses based on Wavelength Conversion. , 2011, , .		0
552	Photonic generation of ultra-wideband pulses using a fiber delay interferometer. , 2011, , .		0
553	Single AWG based clock extraction from WDM signals with mixed formats and mixed bit-rates. Optics Communications, 2011, 284, 5430-5433.	2.1	0
554	Reconfigurable photonic differentiators based on all-optical phase modulation and linear filtering. Optics Communications, 2011, 284, 5792-5797.	2.1	15
555	Arbitrary-Order Bandwidth-Tunable Temporal Differentiator Using a Programmable Optical Pulse Shaper. IEEE Photonics Journal, 2011, 3, 996-1003.	2.0	16
556	Optimized Quantum Well Semiconductor Optical Amplifier for RZ-DPSK Signal Regeneration. IEEE Journal of Quantum Electronics, 2011, 47, 819-826.	1.9	22
557	Gain Recovery Acceleration by Enhancing Differential Gain in Quantum Well Semiconductor Optical Amplifiers. IEEE Journal of Quantum Electronics, 2011, 47, 1443-1450.	1.9	17
558	All-Optical Microwave Photonic Filter Based on Electrooptic Phase Modulator and Detuned Wavelength Division De-Multiplexer. IEEE Transactions on Microwave Theory and Techniques, 2011, 59, 2340-2349.	4.6	5



#	ARTICLE	IF	CITATIONS
559	High-efficiency diode-pumped acousto-optically Q-switched 1123 nm ceramic Nd:YAG laser. <i>Laser Physics</i> , 2011, 21, 695-699.	1.2	5
560	Systematic investigation of silicon digital $1\lambda-2$ electro-optic switch based on a microdisk resonator through carrier injection. <i>Applied Physics B: Lasers and Optics</i> , 2011, 105, 353-361.	2.2	8
561	Simultaneous all-optical multi-channel RZ and CSRZ to NRZ format conversion. <i>Optics Communications</i> , 2011, 284, 129-135.	2.1	21
562	Hybrid fabricating of silica micro/nanofibers. <i>Frontiers of Optoelectronics in China</i> , 2011, 4, 338-342.	0.2	1
563	A special issue on photonic signal processing. <i>Frontiers of Optoelectronics in China</i> , 2011, 4, 229-230.	0.2	0
564	Simulation for all-optical format conversion from NRZ-DPSK to RZ-DPSK. <i>Frontiers of Optoelectronics in China</i> , 2011, 4, 320-324.	0.2	0
565	High accuracy numerical solutions for band structures in strained quantum well semiconductor optical amplifiers. <i>Frontiers of Optoelectronics in China</i> , 2011, 4, 330-337.	0.2	1
566	Investigation polarization characteristics of vertical-cavity surface-emitting lasers. <i>Optik</i> , 2011, 122, 1595-1597.	2.9	0
567	Photonic generation of millimeter-wave ultra-wideband signal using microfiber ring resonator. <i>Optics Communications</i> , 2011, 284, 1803-1806.	2.1	6
568	A tunable and switchable single-longitudinal-mode dual-wavelength fiber laser incorporating a reconfigurable dual-pass Mach-Zehnder interferometer and its application in microwave generation. <i>Optics Communications</i> , 2011, 284, 2337-2340.	2.1	31
569	Investigation of data-format-transparent multiwavelength all-optical clock recovery using a single FP-SOA. <i>Optics and Laser Technology</i> , 2011, 43, 1203-1207.	4.6	1
570	All-optical switchable UWB pulses generation, modulation and transmission. <i>Optics Communications</i> , 2011, 284, 2448-2454.	2.1	4
571	Transmission characteristics of a novel grating assisted microring. <i>Proceedings of SPIE</i> , 2011, , .	0.8	0
572	Cascaded microwave photonic filters with multiple infinite impulse responses based on wavelength conversion. <i>Proceedings of SPIE</i> , 2011, , .	0.8	1
573	Model of Bragg grating written in subwavelength-diameter fiber taper. , 2011, , .		2
574	Enhancement of nonreciprocal phase shift by magneto-optical slot waveguide with a compensation wall. <i>Applied Physics Letters</i> , 2011, 98, 171109.	3.3	6
575	Towards Polarization Diversity on the SOI Platform With Simple Fabrication Process. <i>IEEE Photonics Technology Letters</i> , 2011, 23, 1808-1810.	2.5	16
576	Wideband slow light in one-dimensional grating waveguide. <i>Proceedings of SPIE</i> , 2011, , .	0.8	0

#	ARTICLE	IF	CITATIONS
577	40-Gbit/s four-input photonic digital priority encoder employing three parallel semiconductor optical amplifiers. Electronics Letters, 2011, 47, 872.	1.0	7
578	Single and Multicasting Inverted-Wavelength Conversion at 80 Gb/s Based on a Single Semiconductor Optical Amplifier. Chinese Physics Letters, 2011, 28, 114211.	3.3	1
579	All-Optical Format Conversion from RZ-DPSK to NRZ-DPSK at 40 Gbit/s. Chinese Physics Letters, 2011, 28, 054203.	3.3	3
580	Preprocessing-Free All-Optical Clock Recovery from NRZ and NRZ-DPSK Signals Using an FP-SOA Based Active Filter. Chinese Physics Letters, 2011, 28, 064208.	3.3	0
581	A 40-Gbit/s 1-to-2 Photonic Data Distributor Employing a Single Semiconductor Optical Amplifier. Chinese Physics Letters, 2011, 28, 064212.	3.3	4
582	40Gb/s all-optical binary-coded-decimal decoder. Proceedings of SPIE, 2011, , .	0.8	0
583	Ultra-wideband pulse generation based on cascaded semiconductor optical amplifiers. , 2011, , .		1
584	40-Gbit/s 2-to-1 photonic data selector via XGM and FWM in two SOAs. Electronics Letters, 2011, 47, 811-813.	1.0	6
585	Wideband slow light in one-dimensional grating waveguide. , 2011, , .		0
586	Transmission characteristics of a novel grating assisted microring. , 2011, , .		0
587	40Gb/s All-optical Binary-Coded-Decimal Decoder. , 2011, , .		0
588	Model of Bragg grating written in subwavelength-diameter fiber taper. , 2011, , .		0
589	Photonic generation of power-efficient ultra-wideband waveforms using a single semiconductor optical amplifier. , 2010, , .		0
590	Experimental demonstration of 40 Gbit/s 2-to-4 photonic decoder based on delay interferometers and semiconductor optical amplifiers. Proceedings of SPIE, 2010, , .	0.8	0
591	All optical microwave photonic filter with bandpass and notch filtering shapes. , 2010, , .		0
592	Widely tunable microwave photonic filter based on semiconductor optical amplifier. , 2010, , .		0
593	Multi-channel non-return-to-zero format to return-to-zero format conversion with duplicate output. Proceedings of SPIE, 2010, , .	0.8	0
594	A tunable and switchable single-longitudinal-mode dual-wavelength fiber laser for microwave generation. , 2010, , .		0

#	ARTICLE	IF	CITATIONS
595	A SOA-based high Q microwave photonic filter. Proceedings of SPIE, 2010, , .	0.8	0
596	An all-optical UWB generation and modulation scheme for multiuser UWB-over-fiber system. Proceedings of SPIE, 2010, , .	0.8	0
597	Metal-oxide-semiconductor-Structured MgZnO Ultraviolet Photodetector with High Internal Gain. Journal of Physical Chemistry C, 2010, 114, 7169-7172.	3.1	112
598	Tunable 19Å–10GHz L-band FP-SOA based multi-wavelength mode-locked fiber laser. Optics Communications, 2010, 283, 1434-1437.	2.1	6
599	Simple and flexible generation of vestigial side band modified duobinary return-to-zero signals at 10, 20 and 40Gb/s. Optics Communications, 2010, 283, 2074-2078.	2.1	1
600	A novel tunable cascaded IIR microwave photonic filter. Optics Communications, 2010, 283, 2794-2797.	2.1	12
601	Photonic generation of ultrawideband signals using a delay interferometer. Frontiers of Optoelectronics in China, 2010, 3, 179-183.	0.2	2
602	Investigation of Patterning Effects in Ultrafast SOA-Based Optical Switches. IEEE Journal of Quantum Electronics, 2010, 46, 87-94.	1.9	42
603	Local Carrier Recovery Acceleration in Quantum Well Semiconductor Optical Amplifiers. IEEE Journal of Quantum Electronics, 2010, 46, 1407-1413.	1.9	7
604	China's Wuhan National Laboratory for Optoelectronics. IEEE Nanotechnology Magazine, 2010, 4, 4-8.	1.3	0
605	Investigation of the effects of process-induced disorder location on planar photonic crystal waveguide properties. Microelectronic Engineering, 2010, 87, 2301-2305.	2.4	0
606	82-channel multi-wavelength comb generation in a SOA fiber ring laser. Optics and Laser Technology, 2010, 42, 285-288.	4.6	21
607	Analysis of modulation format in the 40 Gbit/s optical communication system. Optik, 2010, 121, 1550-1557.	2.9	25
608	Investigation of a high-speed optical FSK scheme for WDM-PON applications with centralized lightwave source. Optics Communications, 2010, 283, 1251-1260.	2.1	5
609	Microwave photonic filter with multiple taps based on single semiconductor optical amplifier. Optics Communications, 2010, 283, 3026-3029.	2.1	7
610	Multi-channel 40 Gbit/s NRZ-DPSK demodulation using a single silicon microring resonator. , 2010, , .		1
611	A Microwave Photonic Notch Filter Using a Microfiber Ring Resonator. Chinese Physics Letters, 2010, 27, 074207.	3.3	11
612	A tunable and switchable single-longitudinal-mode dual-wavelength fiber laser for microwave generation. , 2010, , .		0

#	ARTICLE	IF	CITATIONS
613	Photonic generation of power-efficient ultra-wideband waveforms using a single semiconductor optical amplifier. , 2010, , .		2
614	Widely tunable microwave photonic filter based on semiconductor optical amplifier. , 2010, , .		2
615	Measurement of the carrier recovery time in SOA based on four-wave mixing on narrow-band ASE spectrum. Chinese Physics B, 2010, 19, 104206.	1.4	0
616	Filter-Free Optically Switchable and Tunable Ultrawideband Monocycle Generation Based on Wavelength Conversion and Fiber Dispersion. IEEE Photonics Technology Letters, 2010, 22, 42-44.	2.5	21
617	Novel Kind of Semislow Light Photonic Crystal Waveguides With Large Delay-Bandwidth Product. IEEE Photonics Technology Letters, 2010, 22, 844-846.	2.5	38
618	Wideband Slow Light in One-Dimensional Chirped Holey Grating Waveguide. IEEE Photonics Technology Letters, 2010, 22, 1135-1137.	2.5	14
619	Contact Properties of Au/Mg <sub>0.27</sub> Zn <sub>0.73</sub> O by Different Annealing Processes. Journal of Physical Chemistry C, 2010, 114, 21757-21761.	3.1	16
620	Novel slow light waveguide with controllable delay-bandwidth product and ultra-low dispersion. Optics Express, 2010, 18, 5942.	3.4	76
621	Improvement of delay-bandwidth product in photonic crystal slow-light waveguides. Optics Express, 2010, 18, 16309.	3.4	58
622	Multi-channel WDM RZ-to-NRZ format conversion at 50 Gbit/s based on single silicon microring resonator. Optics Express, 2010, 18, 21121.	3.4	41
623	All-optical UWB generation and modulation using SOA-XPM effect and DWDM-based multi-channel frequency discrimination. Optics Express, 2010, 18, 24588.	3.4	48
624	Switchable microwave photonic filter between high Q bandpass filter and notch filter with flat passband based on phase modulation. Optics Express, 2010, 18, 25271.	3.4	41
625	Refractive index sensing based on higher-order mode reflection of a microfiber Bragg grating. Optics Express, 2010, 18, 26345.	3.4	118
626	Ultra-high-Q microwave photonic filter with Vernier effect and wavelength conversion in a cascaded pair of active loops. Optics Letters, 2010, 35, 1242.	3.3	50
627	All-Optical Microwave Filter With High Frequency Selectivity Based on Semiconductor Optical Amplifier and Optical Filter. Journal of Lightwave Technology, 2010, 28, 2358-2365.	4.6	15
628	Crosstalk suppression in silicon nanowire arrayed waveguide grating by cascaded grating filter. , 2010, , .		0
629	A SOA-based high Q microwave photonic filter. , 2010, , .		0
630	All-optical UWB generation and modulation for multiuser UWB-over-fiber system. , 2010, , .		0

#	ARTICLE	IF	CITATIONS
631	Pulse-width tunable and regenerative multi-channel NRZ-to-RZ conversion with duplicate output. , 2010, , .		0
632	All optical microwave photonic filter with bandpass and notch filtering shapes. , 2010, , .		0
633	Experimental demonstration of 2-to-4 line photonic decoder at 40 Gbit/s with FDIs and SOAs. , 2010, , .		2
634	All Optical Microwave Photonic Filter with Bandpass and Notch Filtering Shapes. , 2010, , .		0
635	An all-optical UWB Generation and Modulation Scheme for Multiuser UWB-Over-Fiber System. , 2010, , .		0
636	A SOA-based High Q Microwave Photonic Filter. , 2010, , .		0
637	Multi-channel non-return-to-zero Format to return-to-zero Format Conversion with Duplicate Output. , 2010, , .		0
638	Photonic Generation of Power-Efficient Ultra-wideband Waveforms Using a Single Semiconductor Optical Amplifier. , 2010, , .		0
639	Widely Tunable Microwave Photonic Filter Based on Semiconductor Optical Amplifier. , 2010, , .		0
640	Single AWG based Clock Extraction from WDM NRZ-DPSK Signals with Mixed Bit-rates. , 2010, , .		0
641	A Tunable and Switchable Single-longitudinal-mode Dual-wavelength Fiber Laser for Microwave Generation. , 2010, , .		0
642	Theoretical Investigation of Nearly Degenerate Four-Wave Mixing in Semiconductor Optical Amplifier. Zhongguo Jiguang/Chinese Journal of Lasers, 2010, 37, 2864-2871.	1.2	0
643	Analytical Study of Spectral and Delaying Characteristics of Lossy Series Cascaded Dual Microring Resonators. Zhongguo Jiguang/Chinese Journal of Lasers, 2010, 37, 147-154.	1.2	0
644	Experimental demonstration of 40 Gbit/s 2-to-4 photonic decoder based on delay interferometers and semiconductor optical amplifiers. , 2010, , .		0
645	Measurement of the Carrier Recovery Time in SOA based on Dual Pump FWM. , 2009, , .		1
646	Raman based silicon photonic integrator. , 2009, , .		1
647	Multi-channel delay lines using dual cascaded detuning cells of microring coupled-resonator optical waveguides. , 2009, , .		0
648	Investigation of patterning effect in ultrafast SOA-based optical switches. , 2009, , .		4

#	ARTICLE	IF	CITATIONS
649	Demonstration of reflected microfiber ring resonator. , 2009, , .		0
650	A Proposal and Demonstration for Photonic Generation of a Microwave Signal by Incorporating a Microring Resonator. Chinese Physics Letters, 2009, 26, 034207.	3.3	1
651	Hybrid Active-Passive Microwave Photonic Filter with High Quality Factor. Chinese Physics Letters, 2009, 26, 094208.	3.3	13
652	Novel and Flexible WDM NRZ-DPSK System with Demultiplexing and Demodulation using a Single Standard AWG. , 2009, , .		7
653	Measurement of the Carrier Recovery Time in Semiconductor Optical Amplifier Based on Dual-Pump Four-Wave Mixing Technology. Chinese Physics Letters, 2009, 26, 124208.	3.3	2
654	Suppression of Nonlinear Patterning Effect in Wavelength Conversion Based on Transient Cross-Phase Modulation in Semiconductor Optical Amplifier Assisted with a Detuning Filter. Chinese Physics Letters, 2009, 26, 034213.	3.3	3
655	Photonic generation of a microwave signal by employing a microfiber ring resonator. Optics Communications, 2009, 282, 2552-2555.	2.1	4
656	All-optical ultra-wideband pulse generation based on semiconductor optical amplifiers. Frontiers of Optoelectronics in China, 2009, 2, 40-49.	0.2	3
657	Q value analysis of microwave photonic filters. Frontiers of Optoelectronics in China, 2009, 2, 269-278.	0.2	2
658	Proposal for a novel and simple WDM NRZ-DPSK system. Frontiers of Optoelectronics in China, 2009, 2, 253-258.	0.2	0
659	Experimental investigation on slow light via four-wave mixing in semiconductor optical amplifier. Frontiers of Optoelectronics in China, 2009, 2, 259-263.	0.2	0
660	All-optical filter for simultaneous implementation of microwave bandpass and notch responses based on semiconductor optical amplifier. Frontiers of Optoelectronics in China, 2009, 2, 403-406.	0.2	0
661	Investigation of high-speed optical FSK generation scheme based on carrier suppression and phase modulation. Optics Communications, 2009, 282, 508-517.	2.1	6
662	All-optical microwave notch filter with flat passband based on semiconductor optical amplifier. Optics Communications, 2009, 282, 2297-2300.	2.1	11
663	Experimental demonstration on 40Gbit/s all-optical multicasting logic XOR gate for NRZ-DPSK signals using four-wave mixing in highly nonlinear fiber. Optics Communications, 2009, 282, 2615-2619.	2.1	27
664	A fiber-ring laser incorporating dual mode-locking mechanism. Optics and Laser Technology, 2009, 41, 85-88.	4.6	4
665	Analysis of 2.5Gbit/s GPON downlink optical-receiver performance. Optics Communications, 2009, 282, 198-203.	2.1	4
666	All-optical clock recovery of 20Gbit/s NRZ-DPSK signals using polarization-maintaining fiber loop mirror filter and semiconductor optical amplifier fiber ring laser. Optics Communications, 2009, 282, 2292-2296.	2.1	8

#	ARTICLE	IF	CITATIONS
667	Photonic generation of ultrawideband monocycle and doublet pulses by using a semiconductor-optical-amplifier-based wavelength converter. <i>Optics Letters</i> , 2009, 34, 1336.	3.3	12
668	Self-collimating photonic-crystal wave plates. <i>Optics Letters</i> , 2009, 34, 2676.	3.3	16
669	Reconfigurable All-Optical Logic Gates for Multi-Input Differential Phase-Shift Keying Signals: Design and Experiments. <i>Journal of Lightwave Technology</i> , 2009, 27, 5268-5275.	4.6	51
670	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> , 2009, 27, 5580-5589.	4.6	20
671	Simultaneous multiple DWDM channel NRZ-to-RZ regenerative format conversion at 10 and 20 Gb/s. <i>Optics Express</i> , 2009, 17, 3964.	3.4	30
672	A proposal for two-input arbitrary Boolean logic gates using single semiconductor optical amplifier by picosecond pulse injection. <i>Optics Express</i> , 2009, 17, 7725.	3.4	48
673	Active microring optical integrator associated with electroabsorption modulators for high speed low light power loadable and erasable optical memory unit. <i>Optics Express</i> , 2009, 17, 12835.	3.4	25
674	Analyzing and tailoring spectra of arbitrary microring resonator arrays based on six transfer cells and simulated annealing algorithm. <i>Chinese Optics Letters</i> , 2009, 7, 841-844.	2.9	1
675	A simple microwave photonic notch filter based on a semiconductor optical amplifier. <i>Journal of Optics</i> , 2009, 11, 085405.	1.5	11
676	Ultra-Wideband Pulse Train Generation Based on Turbo-Switch Structures. <i>IEEE Photonics Technology Letters</i> , 2009, 21, 271-273.	2.5	8
677	Single and Multiwavelength All-Optical Clock Recovery Using Fabry-Pérot Semiconductor Optical Amplifier. <i>IEEE Photonics Technology Letters</i> , 2009, 21, 1109-1111.	2.5	12
678	All-Optical Format Conversion From RZ to NRZ Utilizing Microfiber Resonator. <i>IEEE Photonics Technology Letters</i> , 2009, 21, 1202-1204.	2.5	27
679	Single-crystalline cubic MgZnO films and their application in deep-ultraviolet optoelectronic devices. <i>Applied Physics Letters</i> , 2009, 95, .	3.3	108
680	Detuning between peak frequencies of spectra and delays of series-cascaded microring resonators. , 2009, , .		1
681	Extinction ratio enhanced 80-Gbit/s wavelength conversion based on optimization of spectrum filtering. , 2009, , .		1
682	A microwave photonic filter with passband and stopband interchanged. , 2009, , .		0
683	Analysis of asymmetric transparent characteristics of parallel cascaded dual detuning microring resonators. , 2009, , .		0
684	All-Optical Format Conversions Using Periodically Poled Lithium Niobate Waveguides. <i>IEEE Journal of Quantum Electronics</i> , 2009, 45, 195-205.	1.9	29

#	ARTICLE	IF	CITATIONS
685	All-Optical Ultrawideband Pulse Generation Using Cascaded Periodically Poled Lithium Niobate Waveguides. IEEE Journal of Quantum Electronics, 2009, 45, 292-299.	1.9	12
686	Elastic Polarization Converter Based on Dual Microring Resonators. IEEE Journal of Quantum Electronics, 2009, 45, 1033-1038.	1.9	8
687	SOA-Based Ultrafast Multifunctional All-Optical Logic Gates With PolSK Modulated Signals. IEEE Journal of Quantum Electronics, 2009, 45, 1542-1550.	1.9	23
688	Multi-channel all-optical format conversions from RZ signals with different duty-cycle to NRZ signals. Proceedings of SPIE, 2009, , .	0.8	0
689	A novel all-optical clock recovery scheme. , 2009, , .		1
690	Measurement of the carrier recovery time in SOA based on dual pump FWM. Proceedings of SPIE, 2009, , .	0.8	1
691	A novel L-band multiwavelength mode-locked semiconductor fibre laser. , 2009, , .		0
692	Microwave photonic interference mitigation filter based on semiconductor optical amplifier. Proceedings of SPIE, 2009, , .	0.8	0
693	Multilevel all-optical format conversion from NRZ signal to RZ signal. Proceedings of SPIE, 2009, , .	0.8	1
694	Simple and flexible optical NRZ-DQPSK demodulation and detection scheme. Proceedings of SPIE, 2009, , .	0.8	0
695	A microwave photonic notch filter based on semiconductor optical amplifier and optical filter. , 2009, , .		0
696	Analysis and design of box-like filters based on $3\tilde{A}-2$ microring resonator arrays. , 2009, , .		1
697	Multilevel All-optical Format Conversion from NRZ Signal to RZ Signal. , 2009, , .		4
698	A novel all-optical clock recovery scheme. , 2009, , .		1
699	A Microwave Photonic Interference Mitigation Filter Based on Semiconductor Optical Amplifier. , 2009, , .		0
700	Analysis and Design of Box-like Filters Based on $3\tilde{A}-2$ Microring Resonator Arrays. , 2009, , .		0
701	Silicon microring based elastic polarization converter. , 2009, , .		0
702	All-Optical SOA-Based Microwave Filter with Passband and Stopband Interchanged. Guangxue Xuebao/Acta Optica Sinica, 2009, 29, 2534-2539.	1.2	0



#	ARTICLE	IF	CITATIONS
703	Simple and Flexible NRZ-DQPSK Demodulation Scheme. , 2009, , .		0
704	Photonic Generation of UWB Monocycle Pulses Using a Cascaded Semiconductor Optical Amplifier and Electroabsorption Modulator. , 2009, , .		1
705	All-optical ultra-wideband doublet generation and non-degraded transmission over optical fiber. , 2009, , .		3
706	Simulation and evaluation of phase noise for optical amplification using semiconductor optical amplifiers in DPSK applications. Optics Communications, 2008, 281, 28-36.	2.1	2
707	40Gb/s all-optical logic NOR and OR gates using a semiconductor optical amplifier: Experimental demonstration and theoretical analysis. Optics Communications, 2008, 281, 1710-1715.	2.1	55
708	Proposal for loadable and erasable optical memory unit based on dual active microring optical integrators. Optics Communications, 2008, 281, 5315-5321.	2.1	17
709	All-optical dual-direction half-subtractor based on sum-frequency generation. Optics Communications, 2008, 281, 788-792.	2.1	7
710	Filter-free ultrawideband generation based on semiconductor optical amplifier nonlinearities. Optics Communications, 2008, 281, 808-813.	2.1	9
711	A novel actively and passively mode-locked semiconductor optical amplifier fiber ring laser. Optics Communications, 2008, 281, 2868-2873.	2.1	2
712	Proposal and simulation for all-optical format conversion between differential phase-shift keying signals based on cascaded second-order nonlinearities. Optics Communications, 2008, 281, 5019-5024.	2.1	9
713	Eleven-wavelength switchable fiber ring laser with a dispersion compensation fiber and a delayed interferometer. Optics Communications, 2008, 281, 5842-5845.	2.1	4
714	Experimental study of SOA-based NRZ-to-PRZ conversion and distortion elimination of amplified NRZ signal using spectral filtering. Optics Communications, 2008, 281, 5618-5624.	2.1	14
715	Ultrafast All-Optical Signal Processing Based on Single Semiconductor Optical Amplifier and Optical Filtering. IEEE Journal of Selected Topics in Quantum Electronics, 2008, 14, 770-778.	2.9	81
716	Single-SOA-Based Ultrahigh-Speed All-Optical Half Subtractor with PolSK Modulated Signals. Chinese Physics Letters, 2008, 25, 1705-1708.	3.3	5
717	All-optical error-bit amplitude monitor based on NOT and AND gates in cascaded semiconductor optical amplifiers. Chinese Physics B, 2008, 17, 4226-4231.	1.4	2
718	PPLN-Based Flexible Optical Logic and Gate. IEEE Photonics Technology Letters, 2008, 20, 211-213.	2.5	54
719	Simultaneous All-Optical &lt;emphasistype="smcaps"&gt;and&lt;/emphasistype="smcaps"&gt;nor&lt;/emphasistype="smcaps"&gt; Gates for NRZ Differential Phase-Shift-Keying Signals. IEEE Photonics Technology Letters, 2008, 20, 596-598.	2.5	19
720	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. IEEE Photonics Technology Letters, 2008, 20, 1039-1041.	2.5	8

#	ARTICLE	IF	CITATIONS
721	Design of multimode interference coupled polymer rectangular ring resonators with air trench assisted mirrors. Proceedings of SPIE, 2008, , .	0.8	0
722	Photonic generation of a microwave signal by incorporating a delay interferometer and a saturable absorber. Optics Letters, 2008, 33, 554.	3.3	46
723	Ultrafast all-optical three-input Boolean XOR operation for differential phase-shift keying signals using periodically poled lithium niobate. Optics Letters, 2008, 33, 1419.	3.3	69
724	Optical phase erasure and its application to format conversion through cascaded second-order processes in periodically poled lithium niobate. Optics Letters, 2008, 33, 1804.	3.3	23
725	All-Optical Tunable Wavelength Conversion With Extinction Ratio Enhancement Using Periodically Poled Lithium Niobate Waveguides. Journal of Lightwave Technology, 2008, 26, 3137-3148.	4.6	12
726	Optical clock division based on dual-wavelength mode-locked semiconductor fiber ring laser. Optics Express, 2008, 16, 11231.	3.4	10
727	Single SOA based 16 DWDM channels all-optical NRZ-to-RZ format conversions with different duty cycles. Optics Express, 2008, 16, 16166.	3.4	41
728	Reduction of patterning effects in SOA-based wavelength converters by combining cross-gain and cross-absorption modulation. Optics Express, 2008, 16, 21522.	3.4	11
729	First demonstration on the non-transparency of FWM and its application of 40 Gbit/s all-optical CSRZ-to-RZ format conversion. , 2008, , .		2
730	First Demonstration on the Non-transparency of PPLN and Its Potential Application of CSRZ-to-RZ Format Conversion. , 2008, , .		1
731	High order ultrawideband pulse generation from NRZ-DPSK signals. , 2008, , .		2
732	Design of the LD interface circuit in transceiver-receiver module. , 2008, , .		0
733	The design of EMI and EMC based on optical burst- module PCB. , 2008, , .		0
734	Optical UWB doublet pulse generation using multiple nonlinearities of single SOA. Electronics Letters, 2008, 44, 1083.	1.0	21
735	Single-to-dual channel NRZ-to-RZ format conversion by four-wave mixing in single semiconductor optical amplifier. Electronics Letters, 2008, 44, 763.	1.0	12
736	PPLN-based all-optical 40â€¦Gbit/s three-input logic AND gate for both NRZ and RZ signals. Electronics Letters, 2008, 44, 413.	1.0	13
737	Dual active microring optical integrators coupled via 3Ã—3 couplers for loadable and erasable memory. Proceedings of SPIE, 2008, , .	0.8	0
738	All-Optical Clock Recovery from NRZ-DPSK Signals at Flexible Bit Rates. Chinese Physics Letters, 2008, 25, 1680-1683.	3.3	4

#	ARTICLE	IF	CITATIONS
739	High-Order Ultrawideband Pulse Generation from NRZ-DPSK Signals. Chinese Physics Letters, 2008, 25, 911-914.	3.3	1
740	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. , 2008, , .		3
741	SOA-based filter-free scheme for optical ultrawideband monocycle generation. , 2008, , .		1
742	Ultrahigh-Speed Multifunctional All-Optical Logic Gates Based on FWM in SOAs with PolSK Modulated Signals. , 2008, , .		2
743	All-optical minterm generator for three-input NRZ-DPSK signals based on SOAs and delay interferometers. , 2008, , .		2
744	A Novel Configuration for Both Multiwavelength Mode-locking and Optical Clock Division. , 2008, , .		2
745	Multiwavelength SOA fiber ring laser incorporating a dual-pass Mach-Zehnder interferometer filter. Proceedings of SPIE, 2008, , .	0.8	0
746	NRZ-DPSK to RZ-BPSK all-optical format conversion using optical filter and SOA-MZI. Proceedings of SPIE, 2008, , .	0.8	2
747	The study of optical FSK modulation for 40-Gb/s WDM-PON network with centralized lightwave source. , 2008, , .		0
748	Ultra-wideband pulse generation using turbo-switches. , 2008, , .		0
749	Multiwavelength mode-locked fiber laser incorporating two SOAs and a DCF. , 2008, , .		1
750	All-optical 20 Gbit/s NRZ-DPSK demodulation and clock recovery. Proceedings of SPIE, 2008, , .	0.8	0
751	A proposal for two-input arbitrary Boolean logic gates based on single semiconductor optical amplifier. Proceedings of SPIE, 2008, , .	0.8	0
752	Microwave photonic filters with high Q value. Proceedings of SPIE, 2008, , .	0.8	0
753	16 DWDM channels optoelectronic 3R NRZ-to-RZ regenerative format conversions based on single phase modulator. Proceedings of SPIE, 2008, , .	0.8	0
754	Numerical simulation of all-optical wavelength conversion of DPSK signal based on SOA in a Mach-Zehnder configuration. , 2008, , .		0
755	Theoretical study of InGaAsP-InP active microring. Proceedings of SPIE, 2008, , .	0.8	0
756	40 Gbit/s FSK all-optical wavelength conversion and NOT gate using periodically poled lithium niobate waveguides. , 2008, , .		1

#	ARTICLE	IF	CITATIONS
757	Photonic generation of ultra-wideband monocycle and doublet pulses using simplex semiconductor optical amplifier. Proceedings of SPIE, 2008, , .	0.8	0
758	All-optical 40-Gb/s RZ-DPSK to phase-incorporated ASK-Manchester format conversion. Proceedings of SPIE, 2008, , .	0.8	0
759	Experimental investigation on simultaneous true demodulation of NRZ-DPSK signal and all-optical ODB-to-NRZ and AML-to-RZ format conversions. Proceedings of SPIE, 2008, , .	0.8	0
760	All-optical clock recovery from both NRZ and NRZ-DPSK signals at different bit-rates. , 2008, , .		2
761	A novel wavelength switchable fiber ring laser. Proceedings of SPIE, 2008, , .	0.8	0
762	3 $\lambda$ -3 coupler-based dual microring resonator array: model and analysis. Proceedings of SPIE, 2008, , .	0.8	0
763	Mitigation of patterning effect in wavelength conversion by cascaded semiconductor optical amplifier and electroabsorption modulator. Proceedings of SPIE, 2008, , .	0.8	0
764	Experimental Demonstration on PPLN-Based 40 Gbit/s All-Optical NRZ-to-CSRZ, NRZ-to-RZ, and NRZ-DPSK-to-RZ-DPSK Format Conversions. , 2008, , .		4
765	Amplitude-equalized clock recovery using nonlinear polarization rotation in a semiconductor optical amplifier. , 2008, , .		1
766	A Full-Duplex 60 GHz-Band Radio over Fiber System. Guangxue Xuebao/Acta Optica Sinica, 2008, 28, 36-42.	1.2	4
767	All-optical PPLN-based tunable NRZ-to-RZ and NRZ-DPSK-to-RZ-DPSK format conversions. , 2008, , .		0
768	Experimental Study of Wavelength Conversion at Various Modulation Formats Based on Four-Wave Mixing in a Semiconductor Optical Amplifier. Guangxue Xuebao/Acta Optica Sinica, 2008, 28, 1327-1332.	1.2	1
769	All-Optical 40 Gbit/s Multicasting XOR Logic Gate for NRZ-DPSK Signals. , 2008, , .		0
770	Ultrawideband doublet generation from NRZ-DPSK signals. , 2008, , .		0
771	Dual-channel-output all-optical logic AND gate at 20 $\mu$ m Gbit/s based on cascaded second-order nonlinearity in PPLN waveguide. Electronics Letters, 2007, 43, 940.	1.0	19
772	40 $\mu$ m Gbit/s reconfigurable photonic logic gates based on various nonlinearities in single SOA. Electronics Letters, 2007, 43, 884.	1.0	28
773	40Gb/s all-optical digital encoder/comparator based on semiconductor optical amplifiers. Proceedings of SPIE, 2007, , .	0.8	0
774	Semiconductor-Optical-Amplifier-Based Inverted and Non-Inverted Wavelength Conversion at 40 Gb/s Using a Detuning Optical Bandpass Filter. Chinese Physics Letters, 2007, 24, 3450-3453.	3.3	2

#	ARTICLE	IF	CITATIONS
775	Dual-Wavelength Erbium-Doped Fibre Ring Laser by Cascading Tunable Bandpass Filter with Bandstop Filter. Chinese Physics Letters, 2007, 24, 3145-3148.	3.3	2
776	All-Optical RZ-to-NRZ Format Conversion with a Tunable Fibre Based Delay Interferometer. Chinese Physics Letters, 2007, 24, 706-709.	3.3	13
777	Theoretical Study of SOA-Based Wavelength Conversion with NRZ and RZ Format at 40 Gb/s. Chinese Physics Letters, 2007, 24, 990-993.	3.3	8
778	Filter-free all-optical UWB monocycle generation based on the semiconductor optical amplifier (SOA) nonlinearities. , 2007, , .		0
779	All-optical format conversion using a periodically poled lithium niobate waveguide and a reflective semiconductor optical amplifier. Applied Physics Letters, 2007, 91, 051107.	3.3	27
780	Single-SOA-based all-optical XNOR and AND gates. Proceedings of SPIE, 2007, , .	0.8	1
781	Dynamic range and switching speed of an optical switch matrix based on cascaded semiconductor optical amplifier gates with holding-light injection. Optical Engineering, 2007, 46, 045002.	1.0	0
782	Analytic approach to the small-signal frequency response of saturated semiconductor optical amplifiers using multisection model. Chinese Physics B, 2007, 16, 2998-3003.	1.3	1
783	Ultrafast multifunctional all-optical logic gates based on single semiconductor optical amplifier. , 2007, , .		0
784	Simulation and analysis of gain-transparent SOA used as optical phase-modulator in DPSK applications. Proceedings of SPIE, 2007, , .	0.8	2
785	All-optical single-to-dual channel non-return-to-zero to return-to-zero format converter using a periodically poled $\text{LiNbO}_3$ waveguide and a reflective semiconductor optical amplifier. Optical Engineering, 2007, 46, 120501.	1.0	1
786	All-optical clock recovery from NRZ signal through preprocessing by single narrow-band filter. , 2007, , .		0
787	$3\lambda$ -3 coupler based dual microring resonators: a proposal, model, and analysis. , 2007, , .		0
788	Three-input ultrahigh-speed all-optical AND and NOR gates based on orthogonal dual-pump four-wave mixing in semiconductor optical amplifier with PolSK modulated signals. Proceedings of SPIE, 2007, , .	0.8	0
789	Theoretical investigation and experimental demonstration of nonlinear patterning suppression in bulk semiconductor optical amplifiers for transient cross phase modulation. , 2007, , .		0
790	Hybrid mode-locking based on nonlinear polarization rotation in a SOA fiber ring laser. Proceedings of SPIE, 2007, , .	0.8	0
791	All-optical passive format conversions from RZ and CS-RZ signals to NRZ signals at 40Gb/s. Proceedings of SPIE, 2007, , .	0.8	0
792	Investigation of ultrafast all-optical AND gate based on cascaded SOAs and optical filters. Proceedings of SPIE, 2007, , .	0.8	1

#	ARTICLE	IF	CITATIONS
793	Numerical investigation of differential phase noise and its power penalty for optical amplification using semiconductor optical amplifiers in DPSK applications. Proceedings of SPIE, 2007, , .	0.8	0
794	Design of all-optical UWB monocycle generation for UWB-over-fibre communications. Proceedings of SPIE, 2007, , .	0.8	0
795	Ultrawideband monocycle generation using cross-phase modulation in a semiconductor optical amplifier. Optics Letters, 2007, 32, 1223.	3.3	107
796	High-speed all-optical differentiator based on a semiconductor optical amplifier and an optical filter. Optics Letters, 2007, 32, 1872.	3.3	81
797	All-optical ultrawideband monocycle generation utilizing gain saturation of a dark return-to-zero signal in a semiconductor optical amplifier. Optics Letters, 2007, 32, 2158.	3.3	59
798	Experimental observation of all-optical non-return-to-zero-to-return-to-zero format conversion based on cascaded second-order nonlinearity assisted by active mode-locking. Optics Letters, 2007, 32, 2462.	3.3	23
799	All-optical differentiator based on cross-gain modulation in semiconductor optical amplifier. Optics Letters, 2007, 32, 3029.	3.3	52
800	Evaluating characteristics of semiconductor optical amplifiers using optical pumping near the transparency. Journal of the Optical Society of America B: Optical Physics, 2007, 24, 2647.	2.1	6
801	40 Gb/s all-optical NRZ to RZ format conversion using single SOA assisted by optical bandpass filter. Optics Express, 2007, 15, 2907.	3.4	48
802	All-optical format conversion from CS-RZ to NRZ at 40Gbit/s. Optics Express, 2007, 15, 5693.	3.4	23
803	Analysis on dynamic characteristics of semiconductor optical amplifiers with certain facet reflection based on detailed wideband model. Optics Express, 2007, 15, 9096.	3.4	24
804	Transmission characteristics of dual microring resonators coupled via 3 $\tilde{\Lambda}$ –3 couplers. Optics Express, 2007, 15, 13557.	3.4	24
805	Simultaneous demonstration on all-optical digital encoder and comparator at 40 Gb/s with semiconductor optical amplifiers. Optics Express, 2007, 15, 15080.	3.4	81
806	Simulation and analysis of OOK-to-BPSK format conversion based on gain-transparent SOA used as optical phase-modulator. Optics Express, 2007, 15, 18357.	3.4	15
807	Ultrafast all-optical AND gate based on cascaded SOAs with assistance of optical filters. Electronics Letters, 2007, 43, 585.	1.0	7
808	40 Gb/s both inverted and non-inverted wavelength conversion based on transient XPM of SOA. , 2007, , .		2
809	20-Gb/s All-Optical Format Conversions From RZ Signals With Different Duty Cycles to NRZ Signals. IEEE Photonics Technology Letters, 2007, 19, 1027-1029.	2.5	29
810	All-Optical Clock Recovery From NRZ Signals at Different Bit Rates via Preprocessing by an Optical Filter. IEEE Photonics Technology Letters, 2007, 19, 2039-2041.	2.5	20

#	ARTICLE	IF	CITATIONS
811	All-optical XNOR and AND gates simultaneously realized in a single semiconductor optical amplifier with improved dynamics. Chinese Physics B, 2007, 16, 3719-3727.	1.3	1
812	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. Journal of Optics, 2007, 9, 811-819.	1.5	9
813	20 Gb/s all-optical and gates and nor gates using cascaded SOAs. Microwave and Optical Technology Letters, 2007, 49, 484-487.	1.4	5
814	Novel all-optical format conversion using an ultrafast-nonlinear interferometer at 10-40 Gbit/s. Microwave and Optical Technology Letters, 2007, 49, 508-510.	1.4	3
815	Single SOA based all-optical adder assisted by optical bandpass filter: Theoretical analysis and performance optimization. Optics Communications, 2007, 270, 238-246.	2.1	34
816	Single-longitudinal-mode dual-wavelength fiber ring laser by incorporating variable saturable absorbers and feedback fiber loops. Optics Communications, 2007, 273, 231-237.	2.1	22
817	Experimental observation of tunable wavelength down- and up-conversions of ultra-short pulses in a periodically poled LiNbO <sub>3</sub> waveguide. Optics Communications, 2007, 269, 179-187.	2.1	20
818	All-optical 20 Gb/s logic AND gate with tunable single-channel output or dual-channel outputs using a PPLN waveguide. , 2007, , .		3
819	Study of Coupled-Resonator-Induced Transparency in 3 <sup>rd</sup> Coupler Based Dual Microring Resonators. , 2006, , .		0
820	Modeling of SOA-based high speed all-optical wavelength conversion with optical filter assistance. , 2006, , .		0
821	40Gb/S Simultaneous Inverted and Non-inverted Wavelength Conversion Based on SOA Using Transient Cross Phase Modulation. , 2006, , .		1
822	Measurement of Gain Curves for Semiconductor Optical Amplifier Utilizing Hakki-Paoli Method With Wavelet Denoise and Deconvolution Process. , 2006, , .		1
823	40Gb/s All-optical NOR Gate Based on Semiconductor Optical Amplifier and Fiber Delay Interferometer. , 2006, , .		0
824	All-Optical Clock Recovery From NRZ-DPSK Signal. IEEE Photonics Technology Letters, 2006, 18, 2356-2358.	2.5	37
825	Analysis of a semiconductor optical amplifier with polarization-insensitive gain and polarization-insensitive phase modulation. Semiconductor Science and Technology, 2006, 21, 1643-1650.	2.0	8
826	Analytical Solution for SOA-Based All-Optical Wavelength Conversion Using Transient Cross-Phase Modulation. IEEE Photonics Technology Letters, 2006, 18, 2554-2556.	2.5	18
827	Experimental demonstration of both inverted and non-inverted wavelength conversion based on transient cross phase modulation of SOA. Optics Express, 2006, 14, 7587.	3.4	28
828	Ultrafast all-optical NOR gate based on semiconductor optical amplifier and fiber delay interferometer. Optics Express, 2006, 14, 10708.	3.4	20



#	ARTICLE	IF	CITATIONS
829	Numerical analysis of polarization splitter based on vertically coupled microring resonator. Optics Express, 2006, 14, 11304.	3.4	32
830	Ultrahigh-speed all-optical half adder based on four-wave mixing in semiconductor optical amplifier. Optics Express, 2006, 14, 11839.	3.4	57
831	Scalar transfer matrix method analysis of ARROW VCSEL. , 2006, , .		0
832	All-optical adders based on transient cross phase modulation using a single semiconductor optical amplifier. , 2006, , .		1
833	Demonstration on all-optical logic AND and NOR gates at 20Gb/s with cascaded SOAs. , 2006, 6025, 183.		0
834	Single-longitudinal-mode fiber ring laser using fiber grating-based Fabry-Pérot filters and variable saturable absorbers. Optics Communications, 2006, 267, 177-181.	2.1	45
835	Single-to-Multiple Channel Wavelength Conversions and Tuning of Picosecond Pulses in Quasi-Phase-Matched Waveguides. Chinese Physics Letters, 2006, 23, 1806-1809.	3.3	10
836	Polarization Maintaining Fibre Loop Mirror for NRZ-to-PRZ Conversion in All-Optical Clock Recovery. Chinese Physics Letters, 2006, 23, 355-358.	3.3	8
837	Investigation of the polarization dependence of the characteristics of a semiconductor laser amplifier in a loop mirror for all-optical pattern conversion. Optical Engineering, 2006, 45, 128202.	1.0	3
838	All-optical RZ to NRZ Format Conversion with Tunable Fiber Based Delay Interferometer. , 2006, , .		2
839	Study on cross polarization modulation in semiconductor optical amplifier. , 2005, , .		0
840	Novel measurement of traveling-wave semiconductor optical amplifier with tensile-strained-barrier MQW structure. , 2005, , .		0
841	The optimization of rear facet reflectivity in all-optical wavelength converters based on a single-port coupled SOA. , 2005, , .		0
842	Theoretical and experimental investigation on all-optical AND gate with cascaded single-port-coupled SOAs. , 2005, 5624, 459.		0
843	Theoretical and experimental investigation on carrier recovery time in semiconductor optical amplifier. , 2005, , .		2
844	Experimental and theoretical investigation on tunable FWM wavelength conversion based on SOA-fiber ring laser. , 2005, 5624, 30.		0
845	Semiconductor optical amplifier with polarization-insensitive gain and polarization-insensitive phase modulation. , 2005, , .		0
846	Theoretical and Experimental Study on all-optical Wavelength Converters Based on the Single-port-coupled SOA. Optical and Quantum Electronics, 2005, 37, 1011-1023.	3.3	5



#	ARTICLE	IF	CITATIONS
847	Theoretical analysis of tunable wavelength conversion based on FWM in a semiconductor fiber ring laser. IEEE Journal of Quantum Electronics, 2005, 41, 581-588.	1.9	9
848	Tunable all-optical NOR gate at 10 Gb/s based on SOA fiber ring laser. Optics Express, 2005, 13, 2793.	3.4	25
849	Performance simulation of tunable wavelength conversion based on FWM in semiconductor fiber ring laser. , 2005, , .		0
850	Novel algorithms for wavelength converters placement in wavelength-routed network. , 2005, , .		0
851	All-optical NOT and XOR logic operation at 2.5 Gb/s based on semiconductor optical amplifier loop mirror. Chinese Physics B, 2004, 13, 882-886.	1.3	6
852	Single to 16-Channel Wavelength Conversion at 10 Gb/s Based on Cross-Gain Modulation of ASE Spectrum in SOA. Optical and Quantum Electronics, 2004, 36, 627-634.	3.3	5
853	Investigation of the output characteristics of multi-wavelength lasers based on SOAs and sampled fiber gratings. Microwave and Optical Technology Letters, 2004, 40, 142-146.	1.4	2
854	Tunable and self-probed wavelength conversion in an SOA-based fiber-ring laser. Microwave and Optical Technology Letters, 2004, 41, 237-241.	1.4	0
855	All-optical AND gate at 10 Gbit/s based on cascaded single-port-couple SOAs. Optics Express, 2004, 12, 361.	3.4	123
856	Simultaneous 16-channel wavelength conversion at 10 Gb/s based on cross-gain modulation of ASE spectrum in SOA. , 2004, 5280, 98.		0
857	Tunable and self-probed wavelength conversion in SOA-based fiber ring laser. , 2004, , .		0
858	Suppression of four-wave mixing in erbium-doped fiber amplifiers by utilizing laser oscillation. Optics Communications, 2003, 225, 39-45.	2.1	4
859	Multiwavelength lasers based on semiconductor optical amplifiers. IEEE Photonics Technology Letters, 2002, 14, 750-752.	2.5	23
860	Noninverted wavelength conversion using Fabry-Perot semiconductor optical amplifiers. Optics Communications, 2002, 207, 287-294.	2.1	1
861	A novel scheme for XGM wavelength conversion based on single-port-coupled SOA. Chinese Physics B, 2001, 10, 124-127.	1.3	9
862	Performance improvement in XGM wavelength conversion based on a single-port-coupled SOA. Microwave and Optical Technology Letters, 2000, 26, 286-288.	1.4	2
863	Performance improvement in XGM wavelength conversion exploiting SLAOLM. , 2000, 4078, 345.		0
864	Novel XGM wavelength conversion scheme based on SLAOLM. , 0, , .		1

#	ARTICLE	IF	CITATIONS
865	All-optical wavelength conversion based on semiconductor optical amplifiers. , 0, , .		1
866	All-Optical Signal Processing with Semiconductor Optical Amplifiers and Tunable Filters. , 0, , .		5