

Michael Galili

List of Publications by Year in descending order

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times ranked

2975
citing authors

#	ARTICLE	IF	CITATIONS
1	Lumped Compensation of Nonlinearities based on Optical Phase Conjugation. Journal of Lightwave Technology, 2022, 40, 681-691.	2.7	8
2	Crosstalk-free all-optical switching enabled by Fano resonance in a multi-mode photonic crystal nanocavity. Optics Express, 2022, 30, 7457.	1.7	6
3	64-Channel WDM Transmitter based on Optical Fourier Transformation using a Portable Time Lens Assembly. , 2022, , .		0
4	Super-broadband on-chip continuous spectral translation unlocking coherent optical communications beyond conventional telecom bands. Nature Communications, 2022, 13, .	5.8	18
5	Probabilistic Shaping for the Optical Phase Conjugation Channel. IEEE Journal of Selected Topics in Quantum Electronics, 2021, 27, 1-16.	1.9	9
6	909.5 Tbit/s Dense SDM and WDM Transmission Based on a Single Source Optical Frequency Comb and Kramers-Kronig Detection. IEEE Journal of Selected Topics in Quantum Electronics, 2021, 27, 1-8.	1.9	9
7	Recent Progress on Optical Regeneration of Wavelength-Division-Multiplexed Data. IEEE Journal of Selected Topics in Quantum Electronics, 2021, 27, 1-12.	1.9	12
8	Symmetry Enhancement Through Advanced Dispersion Mapping in OPC-Aided Transmission. Journal of Lightwave Technology, 2021, 39, 2820-2829.	2.7	14
9	Mode Division Multiplexing on Standard 50/125 Åµm Multi Mode Fiber using Photonic Lanterns. , 2021, , .		5
10	Ultra-compact integrated graphene plasmonic photodetector with bandwidth above 110 GHz. Nanophotonics, 2020, 9, 317-325.	2.9	113
11	Optical processing and manipulation of wavelength division multiplexed signals. , 2020, , 233-299.		2
12	Frequency-domain ultrafast passive logic: NOT and XNOR gates. Nature Communications, 2020, 11, 5839.	5.8	15
13	MDM Transmission Using Air-Clad Photonic Lanterns. IEEE Photonics Technology Letters, 2020, 32, 1049-1052.	1.3	3
14	Modeling of MIMO Less Mode Division Multiplexed Systems. IEEE Photonics Technology Letters, 2020, 32, 1191-1194.	1.3	9
15	Single Dark-Pulse Kerr Comb Supporting 1.84 Pbit/s Transmission over 37-Core Fiber. , 2020, , .		10
16	744-nm wavelength conversion of PAM-4 signal using an AlGaAsOI nanowaveguide. Optics Letters, 2020, 45, 889.	1.7	7
17	Double-layer graphene on photonic crystal waveguide electro-absorption modulator with 12 GHz bandwidth. Nanophotonics, 2020, 9, 2377-2385.	2.9	32
18	32-Channel WDM Transmitter based on a Single Off-the-Shelf Transceiver and a Time Lens. , 2020, , .		0

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19	Cross Talk and Interference in MIMO less Few Mode Transmission Systems. , 2020, , .		0
20	All-Optical Spectral Magnification of WDM Signals after 50 km of Dispersion Un-Compensated Transmission. , 2020, , .		0
21	Broadband Optical Signal Processing in AlGaAs-on-insulator Waveguides. , 2020, , .		0
22	Improved nonlinearity compensation of OPC-aided EDFA- amplified transmission by enhanced dispersion mapping. , 2020, , .		5
23	Orbital Angular Momentum States Enabling Fiber-based High-dimensional Quantum Communication. Physical Review Applied, 2019, 11, .	1.5	128
24	Ultra-low power all-optical wavelength conversion of high-speed data signals in high-confinement AlGaAs-on-insulator microresonators. APL Photonics, 2019, 4, .	3.0	26
25	Coherent WDM PON using a Single Time Lens Source and Kramers-Kronig Receiver. , 2019, , .		0
26	Co-Existence of 87 Mbit/s Quantum and 10 Gbit/s Classical Communications in 37-Core Fiber. , 2019, , .		1
27	Characterization and Optimization of Four-Wave-Mixing Wavelength Conversion System. Journal of Lightwave Technology, 2019, 37, 5628-5636.	2.7	21
28	4:1 Silicon Photonic Serializer for Data Center Interconnects Demonstrating 104 Gbaud OOK and PAM4 Transmission. Journal of Lightwave Technology, 2019, 37, 1498-1503.	2.7	21
29	Unrepeated Transmission Reach Extension by Receiver-Side all-Optical Back-Propagation. , 2019, , .		5
30	Enhanced dispersion mapping for OPC-aided transmission systems. , 2019, , .		3
31	Towards High-Speed Fano Photonic Switches. , 2019, , .		1
32	Boosting the secret key rate in a shared quantum and classical fibre communication system. Communications Physics, 2019, 2, .	2.0	48
33	Silicon Photonics for Quantum Communication. , 2019, , .		5
34	Low-Power Thermo-Optic Switching Using Photonic Crystal Fano Structure with p-i-n Junction. , 2019, , .		2
35	Optical Phase Conjugation in a Silicon Waveguide With Lateral p-i-n Diode for Nonlinearity Compensation. Journal of Lightwave Technology, 2019, 37, 323-329.	2.7	10
36	Air-cladded mode-group selective photonic lanterns for mode-division multiplexing. Optics Express, 2019, 27, 13329.	1.7	19

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37	High-Order Phase-Matching Enabled Octave-Bandwidth Four-Wave Mixing in AlGaAs-On-Insulator Waveguides. , 2019, , .		5
38	Wavelength conversion of 10 Gbit/s data from 2000 to 1255 nm using an AlGaAsOI nanowaveguide and a continuous-wave pump in the C band. , 2019, , .		2
39	Manipulation and Optical Processing of WDM Signals Using Optical Time Lenses. , 2019, , .		0
40	0.4 THz Photonic-Wireless Link With 106 Gb/s Single Channel Bitrate. Journal of Lightwave Technology, 2018, 36, 610-616.	2.7	113
41	Scalable WDM phase regeneration in a single phase-sensitive amplifier through optical time lenses. Nature Communications, 2018, 9, 1049.	5.8	26
42	Foreword to the Special Issue on the 43rd European Conference on Optical Communication (ECOC) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	2.7	0
43	Ultrahigh-Spectral-Efficiency WDM/SDM Transmission Using PDM-1024-QAM Probabilistic Shaping With Adaptive Rate. Journal of Lightwave Technology, 2018, 36, 1304-1308.	2.7	17
44	Optimizing the Achievable Rates of Tricky Channels: A Probabilistic Shaping for OPC Channel Example. , 2018, , .		2
45	Ultra-broadband THz photonic wireless transmission. , 2018, , .		0
46	Nonlinearity Compensation through Optical Phase Conjugation for Improved Transmission Reach/Rate. , 2018, , .		0
47	Kramersâ€™Kronig Detection with Adaptive Rates for 909.5 Tbit/s Dense SDM and WDM Data Channels. , 2018, , .		7
48	100s Gigabit/s THz Communication. , 2018, , .		6
49	12 mode, WDM, MIMO-free orbital angular momentum transmission. Optics Express, 2018, 26, 20225.	1.7	77
50	Single-source chip-based frequency comb enabling extreme parallel data transmission. Nature Photonics, 2018, 12, 469-473.	15.6	165
51	Dual-polarization wavelength conversion of 16-QAM signals in a single silicon waveguide with a lateral p-i-n diode [Invited]. Photonics Research, 2018, 6, B23.	3.4	8
52	Pulse carving using nanocavity-enhanced nonlinear effects in photonic crystal Fano structures. Optics Letters, 2018, 43, 955.	1.7	14
53	Silicon Waveguide with Lateral p-i-n Diode for Nonlinearity Compensation by On-Chip Optical Phase Conjugation. , 2018, , .		8
54	Signal reshaping and noise suppression using photonic crystal Fano structures. Optics Express, 2018, 26, 19596.	1.7	21

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55	The Hi-Ring Architecture for Data Center Networks. , 2018, , 93-106.		0
56	Highly Flexible WDM PON System with a Single TDM Time Lens Source Enabling Record 150 km Downstream Reach. , 2018, , .		2
57	Signal-to-Idler Conversion Penalty in AlGaAs-on-Insulator Wavelength Converter. , 2018, , .		5
58	Link-Placement Characterization of Optical Phase Conjugation for Nonlinearity Compensation. , 2018, , .		2
59	Nonlinear Phase Noise Compensation in Experimental WDM Systems With 256QAM. Journal of Lightwave Technology, 2017, 35, 1438-1443.	2.7	18
60	Synchronization in a Random Length Ring Network for SDN-Controlled Optical TDM Switching. Journal of Optical Communications and Networking, 2017, 9, A26.	3.3	3
61	Supercontinuum comb sources for broadband communications based on AlGaAs-on-insulator. Proceedings of SPIE, 2017, , .	0.8	1
62	Wavelength conversion of QAM signals in a low loss CMOS compatible spiral waveguide. APL Photonics, 2017, 2, 046105.	3.0	17
63	On-Chip SDM Switching for Unicast, Multicast, and Traffic Grooming in Data Center Networks. IEEE Photonics Technology Letters, 2017, 29, 231-234.	1.3	3
64	Characterization and Optimization of a High-Efficiency AlGaAs-On-Insulator-Based Wavelength Converter for 64- and 256-QAM Signals. Journal of Lightwave Technology, 2017, 35, 3750-3757.	2.7	41
65	100-Gbps RZ Data Reception in 67-GHz Si-Contacted Germanium Waveguide p-i-n Photodetectors. Journal of Lightwave Technology, 2017, 35, 722-726.	2.7	69
66	Time Lens-Based Optical Fourier Transformation for All-Optical Signal Processing of Spectrally-Efficient Data. Journal of Lightwave Technology, 2017, 35, 799-806.	2.7	21
67	Characterization of Spectral Magnification based on Four-Wave Mixing in Nonlinear Fibre for Advanced Modulation Formats. , 2017, , .		1
68	Impact of Signal-Conjugate Wavelength Shift on Optical Phase Conjugation-based Transmission of QAM Signals. , 2017, , .		6
69	Adaptive Rates of High-Spectral-Efficiency WDM/SDM Channels Using PDM-1024-QAM Probabilistic Shaping. , 2017, , .		0
70	Carrier dynamics analysis in metal-semiconductor-metal device for mid-IR silicon photonics. , 2017, , .		0
71	Ultra-Broadband Optical Signal Processing using AlGaAs-OI Devices. , 2017, , .		0
72	Optimization and characterization of highly nonlinear fiber for broadband optical time lens applications. Optics Express, 2017, 25, 12566.	1.7	6

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73	Combining hardware and simulation for datacenter scaling studies. , 2017, , .		1
74	Optical spectral reshaping for directly modulated 4-pulse amplitude modulation signals. , 2017, , .		0
75	Raman amplification of OAM modes. , 2017, , .		2
76	12 Mode, MIMO-Free OAM Transmission. , 2017, , .		8
77	Regeneration of Phase Unlocked Serial Multiplexed DPSK Signals in a Single Phase Sensitive Amplifier. , 2017, , .		5
78	Single Channel 106 Gbit/s 16QAM Wireless Transmission in the 0.4 THz Band. , 2017, , .		18
79	Bit-rate-transparent optical RZ-to-NRZ format conversion based on linear spectral phase filtering. , 2017, , .		0
80	Characterization of Chirped Pump Four-Wave Mixing in Nonlinear Fibers using only Continuous-Wave-Lasers. , 2017, , .		0
81	An ultra-efficient nonlinear planar integrated platform for optical signal processing and generation. , 2017, , .		1
82	THz photonic wireless links with 16-QAM modulation in the 375-450 GHz band. Optics Express, 2016, 24, 23777.	1.7	44
83	Detailed characterization of CW- and pulsed-pump four-wave mixing in highly nonlinear fibers. Optics Letters, 2016, 41, 4887.	1.7	7
84	Phase-sensitive four-wave mixing in AlGaAs-on-insulator nano-waveguides. , 2016, , .		2
85	16-QAM field-quadrature decomposition using polarization-assisted phase sensitive amplification. , 2016, , .		4
86	260 Gbit/s photonic-wireless link in the THz band. , 2016, , .		47
87	160 Gbit/s photonics wireless transmission in the 300-500 GHz band. APL Photonics, 2016, 1, .	3.0	110
88	Reconfigurable SDM Switching Using Novel Silicon Photonic Integrated Circuit. Scientific Reports, 2016, 6, 39058.	1.6	38
89	Advanced optical signal processing of broadband parallel data signals. , 2016, , .		0
90	Constellation Shaping for WDM Systems Using 256QAM/1024QAM With Probabilistic Optimization. Journal of Lightwave Technology, 2016, 34, 5146-5156.	2.7	105

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91	Linear all-optical signal processing using silicon micro-ring resonators. <i>Frontiers of Optoelectronics</i> , 2016, 9, 362-376.	1.9	5
92	400-GHz Wireless Transmission of 60-Gb/s Nyquist-QPSK Signals Using UTC-PD and Heterodyne Mixer. <i>IEEE Transactions on Terahertz Science and Technology</i> , 2016, 6, 765-770.	2.0	49
93	The Hi-Ring architecture for datacentre networks. , 2016, , .		0
94	All-Optical Ultra-High-Speed OFDM to Nyquist-WDM Conversion Based on Complete Optical Fourier Transformation. <i>Journal of Lightwave Technology</i> , 2016, 34, 626-632.	2.7	20
95	Combined Optical and Electrical Spectrum Shaping for High-Baud-Rate Nyquist-WDM Transceivers. <i>IEEE Photonics Journal</i> , 2016, 8, 1-11.	1.0	10
96	A Novel Phase-Locking-Free Phase Sensitive Amplifier-Based Regenerator. <i>Journal of Lightwave Technology</i> , 2016, 34, 643-652.	2.7	10
97	640 Gbit/s return-to-zero to non-return-to-zero format conversion based on optical linear spectral phase filtering. <i>Optics Letters</i> , 2016, 41, 64.	1.7	9
98	Experimental Demonstration of Multidimensional Switching Nodes for All-Optical Data Center Networks. <i>Journal of Lightwave Technology</i> , 2016, 34, 1837-1843.	2.7	24
99	Photonic compressive sensing with a micro-ring-resonator-based microwave photonic filter. <i>Optics Communications</i> , 2016, 373, 65-69.	1.0	5
100	Single-Source AlGaAs Frequency Comb Transmitter for 661 Tbit/s Data Transmission in a 30-core Fiber. , 2016, , .		15
101	Experimental Demonstration of 7 Tb/s Switching Using Novel Silicon Photonic Integrated Circuit. , 2016, , .		3
102	Detailed Characterization of Continuous-Wave and Pulsed-Pump Four-Wave Mixing in Nonlinear Fibers. , 2016, , .		0
103	Low-penalty up to 16-QAM wavelength conversion in a low loss CMOS compatible spiral waveguide. , 2016, , .		1
104	QPSK Regeneration without Active Phase-Locking. , 2016, , .		2
105	Synchronization Algorithm for SDN-controlled All-Optical TDM Switching in a Random Length Ring Network. , 2016, , .		2
106	COSIGN - developing an optical software controlled data plane for future large-scale datacenter networks. , 2015, , .		0
107	Comparison of delay-interferometer and time-lens-based all-optical OFDM demultiplexers. , 2015, , .		0
108	A novel phase sensitive amplifier based QPSK regenerator without active phase-locking. , 2015, , .		2

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109	Silicon nanowires for ultra-fast and ultrabroadband optical signal processing. , 2015, , .		0
110	Phase-sensitive optical processing in silicon waveguides. , 2015, , .		3
111	Passive Linear-Optics 640 Gbit/s Logic NOT Gate. , 2015, , .		2
112	Experimental Demonstration of Optical Switching of Tbit/s Data Packets for High Capacity Short-Range Networks. , 2015, , .		0
113	A Novel Phase-Locking-Free Phase Sensitive Amplifier based Regenerator. , 2015, , .		3
114	Comparison of Delay-Interferometer and Time- Lens-Based All-Optical OFDM Demultiplexers. IEEE Photonics Technology Letters, 2015, 27, 1153-1156.	1.3	1
115	Characterization of spectral compression of OFDM symbols using optical time lenses. , 2015, , .		1
116	All-optical WDM regeneration of DPSK signals using optical fourier transformation and phase sensitive amplification. , 2015, , .		5
117	Cavity-less sub-picosecond pulse generation for the demultiplexing of a 640 Gbaud OTDM signal. , 2015, , .		0
118	Ring-based all-optical datacenter networks. , 2015, , .		4
119	Characterization of the zero-dispersion wavelength variation in a strained highly nonlinear fiber. , 2015, , .		0
120	60 Gbit/s 400 GHz wireless transmission. , 2015, , .		26
121	Experimental characterization of extremely broadband THz impulse radio communication systems. , 2015, , .		0
122	Experimental demonstration of multidimensional switching nodes for all-optical data centre networks. , 2015, , .		2
123	All-Optical Ultra-High-Speed OFDM to Nyquist-WDM Conversion. , 2015, , .		3
124	Phase Regeneration of a BPSK Data Signal Using a Lithium Niobate Phase Modulator. Journal of Lightwave Technology, 2015, 33, 2189-2198.	2.7	2
125	160-Gb/s Silicon All-Optical Packet Switch for Buffer-less Optical Burst Switching. Journal of Lightwave Technology, 2015, 33, 843-848.	2.7	12
126	Increase in data capacity utilising dimensions of wavelength, space, time, polarisation and multilevel modulation using a single laser. , 2015, , .		0

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127	Towards ultrahigh speed impulse radio THz wireless communications. , 2015, , .		1
128	Fiber-Optical Parametric Amplification of Sub-Picosecond Pulses for High-Speed Optical Communications. Fiber and Integrated Optics, 2015, 34, 23-37.	1.7	4
129	Compressive sensing with a microwave photonic filter. Optics Communications, 2015, 338, 428-432.	1.0	9
130	Energy-Efficient Optical Signal Processing Using Optical Time Lenses. Springer Series in Optical Sciences, 2015, , 261-289.	0.5	0
131	High-Speed Optical Signal Processing Using Time Lenses. , 2015, , .		0
132	Optical Systems for Ultra-High-Speed TDM Networking. Photonics, 2014, 1, 83-94.	0.9	2
133	Quadrature decomposition by phase conjugation and projection in a polarizing beam splitter. , 2014, , .		4
134	640 Gbit/s RZ-to-NRZ format conversion based on optical phase filtering. , 2014, , .		0
135	Scalable In-Band Optical Notch-Filter Labeling for Ultrahigh Bit Rate Optical Packet Switching. Journal of Lightwave Technology, 2014, 32, 4871-4878.	2.7	2
136	1Å–4 Optical packet switching of variable length 640 Gbit/s data packets using in-band optical notch-filter labeling. , 2014, , .		0
137	Flexible DWDM grid manipulation using four wave mixing-based time lenses. , 2014, , .		0
138	All-optical signal processing using silicon devices. , 2014, , .		1
139	Ultrafast all-optical clock recovery based on phase-only linear optical filtering. Optics Letters, 2014, 39, 2815.	1.7	13
140	Compressive sensing in a photonic link with optical integration. Optics Letters, 2014, 39, 2222.	1.7	29
141	Real-Time All-Optical OFDM Transmission System Based on Time-Domain Optical Fourier Transformation. , 2014, , .		7
142	320 Gb/s Nyquist OTDM received by polarization-insensitive time-domain OFT. Optics Express, 2014, 22, 110.	1.7	78
143	All-optical OFDM demultiplexing by spectral magnification and band-pass filtering. Optics Express, 2014, 22, 136.	1.7	16
144	4 Å– 160-Gbit/s multi-channel regeneration in a single fiber. Optics Express, 2014, 22, 11456.	1.7	12

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145	Parametric Optical Signal Processing in Silicon Waveguides with Reverse-Biased p-i-n Junctions. , 2014, , .		1
146	Phase regeneration of DPSK signals in a silicon waveguide with reverse-biased p-i-n junction. Optics Express, 2014, 22, 5029.	1.7	75
147	Simultaneous QPSK-to- π -BPSK Wavelength and Modulation Format Conversion in PPLN. IEEE Photonics Technology Letters, 2014, 26, 1207-1210.	1.3	32
148	The prospects of ultra-broadband THz wireless communications. , 2014, , .		12
149	640 Gbit/s Optical Packet Switching using a Novel In-Band Optical Notch-Filter Labeling Scheme. , 2014, , .		2
150	Single Source 5-dimensional (Space-, Wavelength-, Time-, Polarization-, Quadrature-) 43 Tbit/s Data Transmission of 6 SDM \times 6 WDM \times 1.2 Tbit/s Nyquist-OTDM-PDM-QPSK. , 2014, , .		9
151	Ultrafast All-Optical Clock Recovery Based on Phase-Only Linear Optical Filtering. , 2014, , .		1
152	Ultra-High-Speed Optical Time Division Multiplexing. , 2013, , 641-707.		1
153	640 GBd Phase-Correlated OTDM NRZ-OOK Generation and Field Trial Transmission. Journal of Lightwave Technology, 2013, 31, 696-701.	2.7	7
154	Simultaneous regeneration of two 160 Gbit/s WDM channels in a single highly nonlinear fiber. Optics Express, 2013, 21, 2862.	1.7	1
155	Dynamic Characterization and Impulse Response Modeling of Amplitude and Phase Response of Silicon Nanowires. IEEE Photonics Journal, 2013, 5, 4500111-4500111.	1.0	0
156	Simultaneous Regeneration of 4 \times 160-Gbit/s WDM and PDM Channels in a Single Highly Nonlinear Fiber. , 2013, , .		2
157	Forward error correction supported 150 Gbit/s error-free wavelength conversion based on cross phase modulation in silicon. Optics Express, 2013, 21, 3152.	1.7	10
158	Parametric amplification and phase preserving amplitude regeneration of a 640 Gbit/s RZ-DPSK signal. Optics Express, 2013, 21, 25944.	1.7	14
159	Dynamic characterization and amplification of sub-picosecond pulses in fiber optical parametric chirped pulse amplifiers. Optics Express, 2013, 21, 26044.	1.7	13
160	All-Optical OFDM Demultiplexing by Spectral Magnification and Optical Band-Pass Filtering. , 2013, , .		0
161	All-Optical Phase-Preserving Amplitude Regeneration of a 640 Gbit/s RZ-DPSK Signal. , 2013, , .		1
162	The time lens concept applied to ultra-high-speed OTDM signal processing. , 2013, , .		2

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163	Detection of 320 Gb/s Nyquist OTDM by Polarization-insensitive Time-domain Optical Fourier Transformation. , 2013, , .		1
164	Wavelength Preserving Optical Serial-to-Parallel Conversion. , 2013, , .		3
165	1.28 Tbaud Nyquist Signal Transmission using Time-Domain Optical Fourier Transformation based Receiver. , 2013, , .		17
166	Nyquist filtering of 160 GBaud NRZ-like DPSK signal. , 2013, , .		3
167	Spectral compression of a DWDM grid using optical time-lenses. , 2013, , .		3
168	Parametric Amplification of a 640 Gbit/s RZ-DPSK Signal. , 2013, , .		1
169	Novel Optical Labeling Scheme for Ultra-High Bit Rate Data Packets. , 2013, , .		2
170	Dynamic Characterization of Fiber Optical Chirped Pulse Amplification for Sub-ps Pulses. , 2013, , .		0
171	Fiber Optical Parametric Chirped Pulse Amplification of Sub-Picosecond Pulses. , 2013, , .		0
172	Asymmetric gain-saturated spectrum in fiber optical parametric amplifiers. Optics Express, 2012, 20, 15530.	1.7	13
173	Polarization insensitive wavelength conversion in a dispersion-engineered silicon waveguide. Optics Express, 2012, 20, 16374.	1.7	25
174	Ultra-high-speed optical signal processing of serial data signals. , 2012, , .		2
175	Dynamic characterization of silicon nanowires using a terahertz optical asymmetric demultiplexer-based pump-probe scheme. , 2012, , .		2
176	40 Gbit/s serial data signal regeneration using self-phase modulation in a silicon nanowire. , 2012, , .		3
177	160 Gbit/s optical packet switching using a silicon chip. , 2012, , .		3
178	All-optical 2R regeneration of a 160-Gbit/s RZOOK serial data signal using a FOPA. , 2012, , .		4
179	Pump-To-Signal Intensity Modulation Transfer Characteristics in FOPAs: Modulation Frequency and Saturation Effect. Journal of Lightwave Technology, 2012, 30, 3061-3067.	2.7	7
180	Broadband Polarization-Insensitive Wavelength Conversion Based on Non-Degenerate Four-Wave Mixing in a Silicon Nanowire. , 2012, , .		0

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181	Demonstration of Cascaded In-Line Single-Pump Fiber Optical Parametric Amplifiers in Recirculating Loop Transmission. , 2012, , .		8
182	Pulse Distortion in Saturated Fiber Optical Parametric Chirped Pulse Amplification. , 2012, , .		0
183	Linear signal processing using silicon micro-ring resonators. , 2012, , .		1
184	In-Fiber Subpicosecond Pulse Shaping for Nonlinear Optical Telecommunication Data Processing at 640â€‰Gbit/s. International Journal of Optics, 2012, 2012, 1-16.	0.6	5
185	Nonlinear Optical Signal Processing for Tbit/s Ethernet Applications. International Journal of Optics, 2012, 2012, 1-14.	0.6	6
186	OTDM-to-WDM Conversion Based on Time-to-Frequency Mapping by Time-Domain Optical Fourier Transformation. IEEE Journal of Selected Topics in Quantum Electronics, 2012, 18, 681-688.	1.9	54
187	Silicon Photonics for Signal Processing of Tbit/s Serial Data Signals. IEEE Journal of Selected Topics in Quantum Electronics, 2012, 18, 996-1005.	1.9	43
188	Two-Copy Wavelength Conversion of an 80 Gbit/s Serial Data Signal Using Cross-Phase Modulation in a Silicon Nanowire and Detailed Pump-Probe Characterisation. , 2012, , .		4
189	640 Gbaud NRZ-OOK data signal generation and 1.19 Tbit/s PDM-NRZ-OOK field trial transmission. , 2012, , .		5
190	Ultrafast Nonlinear Signal Processing in Silicon Waveguides. , 2012, , .		3
191	640 Gbaud NRZ-OOK data signal generation and 1.19 Tbit/s PDM-NRZ-OOK field trial transmission. , 2012, , .		5
192	Recent Advances in Ultra-High-Speed Optical Signal Processing. , 2012, , .		3
193	Polarization Insensitive One-to-Six WDM Multicasting in a Silicon Nanowire. , 2012, , .		0
194	Simultaneous Regeneration of Two 160 Gbit/s WDM Channels in a Single Highly Nonlinear Fiber. , 2012, , .		1
195	160 Gb/s Silicon All-Optical Data Modulator based on Cross Phase Modulation. , 2012, , .		1
196	Polarization Insensitive One-to-Six WDM Multicasting in a Silicon Nanowire. , 2012, , .		0
197	Wavelength Conversion with Large Signal-Idler Separation using Discrete Four-Wave Mixing in a Silicon Nanowire. , 2012, , .		0
198	Polarization Insensitive Wavelength Conversion Based on Four-Wave Mixing in a Silicon Nanowire. , 2012, , .		1

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199	Asymmetric gain-saturated spectrum in one-pump fiber optical parametric amplifiers. , 2011, , .		0
200	Saturation effect on pump-to-signal intensity modulation transfer in single-pump phase-insensitive fibre optic parametric amplifiers. , 2011, , .		1
201	Time-domain optical Fourier transformation for OTDM-DWDM and DWDM-OTDM conversion. , 2011, , .		3
202	Optical Waveform Sampling and Error-Free Demultiplexing of 1.28 Tb/s Serial Data in a Nanoengineered Silicon Waveguide. Journal of Lightwave Technology, 2011, 29, 426-431.	2.7	66
203	Generation of a 640 Gbit/s NRZ OTDM signal using a silicon microring resonator. Optics Express, 2011, 19, 6471.	1.7	22
204	Ultra-high-speed wavelength conversion in a silicon photonic chip. Optics Express, 2011, 19, 19886.	1.7	72
205	One-to-six WDM multicasting of DPSK signals based on dual-pump four-wave mixing in a silicon waveguide. Optics Express, 2011, 19, 24448.	1.7	40
206	Nonlinear properties of and nonlinear processing in hydrogenated amorphous silicon waveguides. Optics Express, 2011, 19, B146.	1.7	108
207	10 GHz pulse source for 640 Gbit/s OTDM based on phase modulator and self-phase modulation. Optics Express, 2011, 19, B343.	1.7	36
208	Ultra-high-speed optical serial-to-parallel data conversion by time-domain optical Fourier transformation in a silicon nanowire. Optics Express, 2011, 19, B825.	1.7	44
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210	Demultiplexing of OTDM-DPSK signals based on a single semiconductor optical amplifier and optical filtering. Optics Letters, 2011, 36, 1560.	1.7	1
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