

Michael Galili

List of Publications by Year in descending order

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302
docs citations

302
times ranked

2975
citing authors

#	ARTICLE	IF	CITATIONS
1	Single-source chip-based frequency comb enabling extreme parallel data transmission. Nature Photonics, 2018, 12, 469-473.	31.4	165
2	640 Gbit/s and 128 Tbit/s polarisation insensitive all optical wavelength conversion. Optics Express, 2010, 18, 9961.	3.4	143
3	Demonstration of 51 Tbit/s data capacity on a single-wavelength channel. Optics Express, 2010, 18, 1438.	3.4	134
4	Orbital Angular Momentum States Enabling Fiber-based High-dimensional Quantum Communication. Physical Review Applied, 2019, 11, .	3.8	128
5	Breakthrough switching speed with an all-optical chalcogenide glass chip: 640 Gbit/s demultiplexing. Optics Express, 2009, 17, 2182.	3.4	117
6	0.4 THz Photonic-Wireless Link With 106 Gb/s Single Channel Bitrate. Journal of Lightwave Technology, 2018, 36, 610-616.	4.6	113
7	Ultra-compact integrated graphene plasmonic photodetector with bandwidth above 110 GHz. Nanophotonics, 2020, 9, 317-325.	6.0	113
8	160 Gbit/s photonics wireless transmission in the 300-500 GHz band. APL Photonics, 2016, 1, .	5.7	110
9	Nonlinear properties of and nonlinear processing in hydrogenated amorphous silicon waveguides. Optics Express, 2011, 19, B146.	3.4	108
10	1.28 Tbit/s single-polarisation serial OOK optical data generation and demultiplexing. Electronics Letters, 2009, 45, 280.	1.0	105
11	Constellation Shaping for WDM Systems Using 256QAM/1024QAM With Probabilistic Optimization. Journal of Lightwave Technology, 2016, 34, 5146-5156.	4.6	105
12	320 Gb/s Nyquist OTDM received by polarization-insensitive time-domain OFT. Optics Express, 2014, 22, 110.	3.4	78
13	12 mode, WDM, MIMO-free orbital angular momentum transmission. Optics Express, 2018, 26, 20225.	3.4	77
14	Phase regeneration of DPSK signals in a silicon waveguide with reverse-biased p-i-n junction. Optics Express, 2014, 22, 5029.	3.4	75
15	Photonic chip based transmitter optimization and receiver demultiplexing of a 128 Tbit/s OTDM signal. Optics Express, 2010, 18, 17252.	3.4	73
16	Flat-Top Pulse Generation by the Optical Fourier Transform Technique for Ultrahigh Speed Signal Processing. IEEE Journal of Quantum Electronics, 2009, 45, 1317-1324.	1.9	72
17	Ultra-high-speed wavelength conversion in a silicon photonic chip. Optics Express, 2011, 19, 19886.	3.4	72
18	100-Gbps RZ Data Reception in 67-GHz Si-Contacted Germanium Waveguide p-i-n Photodetectors. Journal of Lightwave Technology, 2017, 35, 722-726.	4.6	69

#	ARTICLE	IF	CITATIONS
19	Optical Waveform Sampling and Error-Free Demultiplexing of 1.28 Tb/s Serial Data in a Nanoengineered Silicon Waveguide. <i>Journal of Lightwave Technology</i> , 2011, 29, 426-431.	4.6	66
20	OTDM-to-WDM Conversion Based on Time-to-Frequency Mapping by Time-Domain Optical Fourier Transformation. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2012, 18, 681-688.	2.9	54
21	1.28-Tb/s Demultiplexing of an OTDM DPSK Data Signal Using a Silicon Waveguide. <i>IEEE Photonics Technology Letters</i> , 2010, 22, 1762-1764.	2.5	53
22	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.	3.1	49
23	Boosting the secret key rate in a shared quantum and classical fibre communication system. <i>Communications Physics</i> , 2019, 2, .	5.3	48
24	260 Gbit/s photonic-wireless link in the THz band. , 2016, , .		47
25	Ultra-high-speed optical serial-to-parallel data conversion by time-domain optical Fourier transformation in a silicon nanowire. <i>Optics Express</i> , 2011, 19, B825.	3.4	44
26	THz photonic wireless links with 16-QAM modulation in the 375-450 GHz band. <i>Optics Express</i> , 2016, 24, 23777.	3.4	44
27	Silicon Photonics for Signal Processing of Tbit/s Serial Data Signals. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2012, 18, 996-1005.	2.9	43
28	Characterization and Optimization of a High-Efficiency AlGaAs-On-Insulator-Based Wavelength Converter for 64- and 256-QAM Signals. <i>Journal of Lightwave Technology</i> , 2017, 35, 3750-3757.	4.6	41
29	640-Gbit/s Data Transmission and Clock Recovery Using an Ultrafast Periodically Poled Lithium Niobate Device. <i>Journal of Lightwave Technology</i> , 2009, 27, 205-213.	4.6	40
30	One-to-six WDM multicasting of DPSK signals based on dual-pump four-wave mixing in a silicon waveguide. <i>Optics Express</i> , 2011, 19, 24448.	3.4	40
31	Optical Wavelength Conversion by Cross-Phase Modulation of Data Signals up to 640 Gb/s. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2008, 14, 573-579.	2.9	38
32	Reconfigurable SDM Switching Using Novel Silicon Photonic Integrated Circuit. <i>Scientific Reports</i> , 2016, 6, 39058.	3.3	38
33	10 GHz pulse source for 640 Gbit/s OTDM based on phase modulator and self-phase modulation. <i>Optics Express</i> , 2011, 19, B343.	3.4	36
34	640 Gbit/s clock recovery using periodically poled lithium niobate. <i>Electronics Letters</i> , 2008, 44, 370.	1.0	35
35	Spontaneous dissociation of a conjugated molecule on the Si(100) surface. <i>Journal of Chemical Physics</i> , 2002, 117, 321-330.	3.0	32
36	Simultaneous QPSK-to- BPSK and BPSK Wavelength and Modulation Format Conversion in PPLN. <i>IEEE Photonics Technology Letters</i> , 2014, 26, 1207-1210.	2.5	32

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37	Double-layer graphene on photonic crystal waveguide electro-absorption modulator with 12 GHz bandwidth. <i>Nanophotonics</i> , 2020, 9, 2377-2385.	6.0	32
38	640 Gb/s Timing Jitter-Tolerant Data Processing Using a Long-Period Fiber-Grating-Based Flat-Top Pulse Shaper. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2008, 14, 566-572.	2.9	31
39	Compressive sensing in a photonic link with optical integration. <i>Optics Letters</i> , 2014, 39, 2222.	3.3	29
40	60 Gbit/s 400 GHz wireless transmission. , 2015, , .		26
41	Scalable WDM phase regeneration in a single phase-sensitive amplifier through optical time lenses. <i>Nature Communications</i> , 2018, 9, 1049.	12.8	26
42	Ultra-low power all-optical wavelength conversion of high-speed data signals in high-confinement AlGaAs-on-insulator microresonators. <i>APL Photonics</i> , 2019, 4, .	5.7	26
43	Polarization insensitive wavelength conversion in a dispersion-engineered silicon waveguide. <i>Optics Express</i> , 2012, 20, 16374.	3.4	25
44	Demultiplexing of 320-Gb/s OTDM Data Using Ultrashort Flat-Top Pulses. <i>IEEE Photonics Technology Letters</i> , 2007, 19, 1855-1857.	2.5	24
45	Experimental Demonstration of Multidimensional Switching Nodes for All-Optical Data Center Networks. <i>Journal of Lightwave Technology</i> , 2016, 34, 1837-1843.	4.6	24
46	Generation of a 640 Gbit/s NRZ OTDM signal using a silicon microring resonator. <i>Optics Express</i> , 2011, 19, 6471.	3.4	22
47	Polarization-Insensitive 640 Cb/s Demultiplexing Based on Four Wave Mixing in a Polarization-Maintaining Fibre Loop. <i>Journal of Lightwave Technology</i> , 2010, 28, 1789-1795.	4.6	21
48	Time Lens-Based Optical Fourier Transformation for All-Optical Signal Processing of Spectrally-Efficient Data. <i>Journal of Lightwave Technology</i> , 2017, 35, 799-806.	4.6	21
49	Signal reshaping and noise suppression using photonic crystal Fano structures. <i>Optics Express</i> , 2018, 26, 19596.	3.4	21
50	Characterization and Optimization of Four-Wave-Mixing Wavelength Conversion System. <i>Journal of Lightwave Technology</i> , 2019, 37, 5628-5636.	4.6	21
51	4:1 Silicon Photonic Serializer for Data Center Interconnects Demonstrating 104 Gbaud OOK and PAM4 Transmission. <i>Journal of Lightwave Technology</i> , 2019, 37, 1498-1503.	4.6	21
52	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.	4.6	20
53	15-THz Tunable Wavelength Conversion of Picosecond Pulses in a Silicon Waveguide. <i>IEEE Photonics Technology Letters</i> , 2011, 23, 1409-1411.	2.5	19
54	Air-cladded mode-group selective photonic lanterns for mode-division multiplexing. <i>Optics Express</i> , 2019, 27, 13329.	3.4	19

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55	Nonlinear Phase Noise Compensation in Experimental WDM Systems With 256QAM. Journal of Lightwave Technology, 2017, 35, 1438-1443.	4.6	18
56	Single Channel 106 Gbit/s 16QAM Wireless Transmission in the 0.4 THz Band. , 2017, , .		18
57	Super-broadband on-chip continuous spectral translation unlocking coherent optical communications beyond conventional telecom bands. Nature Communications, 2022, 13, .	12.8	18
58	Wavelength conversion of QAM signals in a low loss CMOS compatible spiral waveguide. APL Photonics, 2017, 2, 046105.	5.7	17
59	Ultrahigh-Spectral-Efficiency WDM/SDM Transmission Using PDM-1024-QAM Probabilistic Shaping With Adaptive Rate. Journal of Lightwave Technology, 2018, 36, 1304-1308.	4.6	17
60	1.28 Tbaud Nyquist Signal Transmission using Time-Domain Optical Fourier Transformation based Receiver. , 2013, , .		17
61	All-optical OFDM demultiplexing by spectral magnification and band-pass filtering. Optics Express, 2014, 22, 136.	3.4	16
62	Frequency-domain ultrafast passive logic: NOT and XNOR gates. Nature Communications, 2020, 11, 5839.	12.8	15
63	Single-Source AlGaAs Frequency Comb Transmitter for 661 Tbit/s Data Transmission in a 30-core Fiber. , 2016, , .		15
64	Parametric amplification and phase preserving amplitude regeneration of a 640 Gbit/s RZ-DPSK signal. Optics Express, 2013, 21, 25944.	3.4	14
65	Pulse carving using nanocavity-enhanced nonlinear effects in photonic crystal Fano structures. Optics Letters, 2018, 43, 955.	3.3	14
66	Symmetry Enhancement Through Advanced Dispersion Mapping in OPC-Aided Transmission. Journal of Lightwave Technology, 2021, 39, 2820-2829.	4.6	14
67	Photonic chip based 1.28 Tbaud Transmitter Optimization and Receiver OTDM Demultiplexing. , 2010, , .		13
68	Optical Waveform Sampling and Error-free Demultiplexing of 1.28 Tbit/s Serial Data in a Silicon Nanowire. , 2010, , .		13
69	Asymmetric gain-saturated spectrum in fiber optical parametric amplifiers. Optics Express, 2012, 20, 15530.	3.4	13
70	Dynamic characterization and amplification of sub-picosecond pulses in fiber optical parametric chirped pulse amplifiers. Optics Express, 2013, 21, 26044.	3.4	13
71	Ultrafast all-optical clock recovery based on phase-only linear optical filtering. Optics Letters, 2014, 39, 2815.	3.3	13
72	All-Optical 160-Gbit/s Retiming System Using Fiber Grating Based Pulse Shaping Technology. Journal of Lightwave Technology, 2009, 27, 1135-1141.	4.6	12

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73	4 Å– 160-Gbit/s multi-channel regeneration in a single fiber. Optics Express, 2014, 22, 11456.	3.4	12
74	The prospects of ultra-broadband THz wireless communications. , 2014, , .		12
75	160-Gb/s Silicon All-Optical Packet Switch for Buffer-less Optical Burst Switching. Journal of Lightwave Technology, 2015, 33, 843-848.	4.6	12
76	Recent Progress on Optical Regeneration of Wavelength-Division-Multiplexed Data. IEEE Journal of Selected Topics in Quantum Electronics, 2021, 27, 1-12.	2.9	12
77	320 Gbps to 10 GHz sub-clock recovery using a PPLN-based opto-electronic phase-locked loop. Optics Express, 2008, 16, 5007.	3.4	11
78	Single- and multi-carrier techniques to build up Tb/s per channel transmission systems. , 2010, , .		11
79	Optical switching and detection of 640 Gbits/s optical time-division multiplexed data packets transmitted over 50 km of fiber. Optics Letters, 2011, 36, 3473.	3.3	11
80	Optical Waveform Sampling and Error-free Demultiplexing of 1.28 Tbit/s Serial Data in a Silicon Nanowire. , 2010, , .		11
81	320 Gbit/s DQPSK All-Optical Wavelength Conversion using Four Wave Mixing. , 2007, , .		10
82	Forward error correction supported 150 Gbit/s error-free wavelength conversion based on cross phase modulation in silicon. Optics Express, 2013, 21, 3152.	3.4	10
83	Combined Optical and Electrical Spectrum Shaping for High-Baud-Rate Nyquist-WDM Transceivers. IEEE Photonics Journal, 2016, 8, 1-11.	2.0	10
84	A Novel Phase-Locking-Free Phase Sensitive Amplifier-Based Regenerator. Journal of Lightwave Technology, 2016, 34, 643-652.	4.6	10
85	Optical Phase Conjugation in a Silicon Waveguide With Lateral p-i-n Diode for Nonlinearity Compensation. Journal of Lightwave Technology, 2019, 37, 323-329.	4.6	10
86	Single Dark-Pulse Kerr Comb Supporting 1.84 Pbit/s Transmission over 37-Core Fiber. , 2020, , .		10
87	Generating a Square Switching Window for Timing Jitter Tolerant 160 Gb/s Demultiplexing by the Optical Fourier Transform Technique. , 2006, , .		9
88	Compressive sensing with a microwave photonic filter. Optics Communications, 2015, 338, 428-432.	2.1	9
89	640 Gbit/s return-to-zero to non-return-to-zero format conversion based on optical linear spectral phase filtering. Optics Letters, 2016, 41, 64.	3.3	9
90	Modeling of MIMO Less Mode Division Multiplexed Systems. IEEE Photonics Technology Letters, 2020, 32, 1191-1194.	2.5	9

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91	Probabilistic Shaping for the Optical Phase Conjugation Channel. IEEE Journal of Selected Topics in Quantum Electronics, 2021, 27, 1-16.	2.9	9
92	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.	2.9	9
93	Single Source 5-dimensional (Space-, Wavelength-, Time-, Polarization-, Quadrature-) 43 Tbit/s Data Transmission of 6 SDM Å– 6 WDM Å– 1.2 Tbit/s Nyquist-OTDM-PDM-QPSK. , 2014, , .		9
94	640 Gbit/s time-division add-drop multiplexing using a non-linear polarisation-rotating fibre loop. , 2008, , .		8
95	Error-free transmission of serial 1.28 Tbaud RZ-DPSK signal. , 2010, , .		8
96	Demonstration of Cascaded In-Line Single-Pump Fiber Optical Parametric Amplifiers in Recirculating Loop Transmission. , 2012, , .		8
97	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.	7.0	8
98	Silicon Waveguide with Lateral p-i-n Diode for Nonlinearity Compensation by On-Chip Optical Phase Conjugation. , 2018, , .		8
99	Silicon Chip based Wavelength Conversion of Ultra-High Repetition Rate Data Signals. , 2011, , .		8
100	12 Mode, MIMO-Free OAM Transmission. , 2017, , .		8
101	Lumped Compensation of Nonlinearities based on Optical Phase Conjugation. Journal of Lightwave Technology, 2022, 40, 681-691.	4.6	8
102	Timing jitter analysis for clock recovery circuits based on an optoelectronic phase-locked loop (OPLL). , 2005, , .		7
103	Pump-To-Signal Intensity Modulation Transfer Characteristics in FOPAs: Modulation Frequency and Saturation Effect. Journal of Lightwave Technology, 2012, 30, 3061-3067.	4.6	7
104	640 GBd Phase-Correlated OTDM NRZ-OOK Generation and Field Trial Transmission. Journal of Lightwave Technology, 2013, 31, 696-701.	4.6	7
105	Real-Time All-Optical OFDM Transmission System Based on Time-Domain Optical Fourier Transformation. , 2014, , .		7
106	Detailed characterization of CW- and pulsed-pump four-wave mixing in highly nonlinear fibers. Optics Letters, 2016, 41, 4887.	3.3	7
107	Kramers-Kronig Detection with Adaptive Rates for 909.5 Tbit/s Dense SDM and WDM Data Channels. , 2018, , .		7
108	All-optical 160 Gbit/s RZ data retiming system incorporating a pulse shaping fibre Bragg grating. , 2007, , .		7

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109	744-nm wavelength conversion of PAM-4 signal using an AlGaAsOI nanowaveguide. Optics Letters, 2020, 45, 889.	3.3	7
110	Clock recovery for 320 Gb/s OTDM data using filtering-assisted XPM in an SOA. , 0, , .		6
111	640 Gbit/s optical time-division add-drop multiplexing in a non-linear optical loop mirror. , 2009, , .		6
112	Nonlinear Optical Signal Processing for Tbit/s Ethernet Applications. International Journal of Optics, 2012, 2012, 1-14.	1.4	6
113	Impact of Signal-Conjugate Wavelength Shift on Optical Phase Conjugation-based Transmission of QAM Signals. , 2017, , .		6
114	Optimization and characterization of highly nonlinear fiber for broadband optical time lens applications. Optics Express, 2017, 25, 12566.	3.4	6
115	100s Gigabit/s THz Communication. , 2018, , .		6
116	Silicon Chip based Wavelength Conversion of Ultra-High Repetition Rate Data Signals. , 2011, , .		6
117	Crosstalk-free all-optical switching enabled by Fano resonance in a multi-mode photonic crystal nanocavity. Optics Express, 2022, 30, 7457.	3.4	6
118	All-Optical Combination of DPSK and OOK to 160 Gbit/s DQPSK Data Signals. , 2007, , .		5
119	Generation and Detection of 2.56 Tbit/s OTDM Data using DPSK and Polarisation Multiplexing. , 2010, , .		5
120	Synchronization, retiming and time-division multiplexing of an asynchronous 10 Gigabit NRZ Ethernet packet to terabit Ethernet. Optics Express, 2011, 19, B931.	3.4	5
121	In-Fiber Subpicosecond Pulse Shaping for Nonlinear Optical Telecommunication Data Processing at 640 Gbit/s. International Journal of Optics, 2012, 2012, 1-16.	1.4	5
122	All-optical WDM regeneration of DPSK signals using optical fourier transformation and phase sensitive amplification. , 2015, , .		5
123	Linear all-optical signal processing using silicon micro-ring resonators. Frontiers of Optoelectronics, 2016, 9, 362-376.	3.7	5
124	Photonic compressive sensing with a micro-ring-resonator-based microwave photonic filter. Optics Communications, 2016, 373, 65-69.	2.1	5
125	Unrepeated Transmission Reach Extension by Receiver-Side all-Optical Back-Propagation. , 2019, , .		5
126	Silicon Photonics for Quantum Communication. , 2019, , .		5

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127	640 Gbaud NRZ-OOK data signal generation and 1.19 Tbit/s PDM-NRZ-OOK field trial transmission. , 2012, , .		5
128	640 Gbaud NRZ-OOK data signal generation and 1.19 Tbit/s PDM-NRZ-OOK field trial transmission. , 2012, , .		5
129	Regeneration of Phase Unlocked Serial Multiplexed DPSK Signals in a Single Phase Sensitive Amplifier. , 2017, , .		5
130	Fiber optical trap deposition of carbon nanotubes on fiber end-faces in a modelocked laser. , 2008, , .		5
131	Signal-to-Idler Conversion Penalty in AlGaAs-on-Insulator Wavelength Converter. , 2018, , .		5
132	High-Order Phase-Matching Enabled Octave-Bandwidth Four-Wave Mixing in AlGaAs-On-Insulator Waveguides. , 2019, , .		5
133	Mode Division Multiplexing on Standard 50/125 Åµm Multi Mode Fiber using Photonic Lanterns. , 2021, , .		5
134	Improved nonlinearity compensation of OPC-aided EDFA- amplified transmission by enhanced dispersion mapping. , 2020, , .		5
135	Flat-top pulse enabling 640 Gb/s OTDM demultiplexing. , 2007, , .		4
136	Error-free 640 Gbit/s demultiplexing using a chalcogenide planar waveguide chip. , 2008, , .		4
137	Ultrafast Phase Comparator for Phase-Locked Loop-Based Optoelectronic Clock Recovery Systems. Journal of Lightwave Technology, 2009, 27, 2439-2448.	4.6	4
138	Detailed time-resolved spectral analysis of ultra-fast four-wave mixing in silicon nanowires. , 2011, , .		4
139	All-optical 2R regeneration of a 160-Gbit/s RZOOK serial data signal using a FOPA. , 2012, , .		4
140	Quadrature decomposition by phase conjugation and projection in a polarizing beam splitter. , 2014, , .		4
141	Ring-based all-optical datacenter networks. , 2015, , .		4
142	Fiber-Optical Parametric Amplification of Sub-Picosecond Pulses for High-Speed Optical Communications. Fiber and Integrated Optics, 2015, 34, 23-37.	2.5	4
143	16-QAM field-quadrature decomposition using polarization-assisted phase sensitive amplification. , 2016, , .		4
144	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

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145	Ultra-High-Speed Optical Serial-to-Parallel Data Conversion in a Silicon Nanowire. , 2011, , .		4
146	160 Gb/s Raman-assisted notch-filtered XPM wavelength conversion and transmission. , 2006, , .		3
147	Low-penalty Raman-Assisted XPM Wavelength Conversion at 320 Gb/s. , 2007, , .		3
148	The Effect of Timing Jitter on a 160-Gb/s Demultiplexer. IEEE Photonics Technology Letters, 2007, 19, 957-959.	2.5	3
149	Polarization-Independent High-Speed Switching in a Standard Non-Linear Optical Loop Mirror. , 2008, , .		3
150	640 Gbit/s wavelength conversion. , 2008, , .		3
151	640 Gbit/s Optical Signal Processing. , 2009, , .		3
152	650 Gbit/s OTDM Transmission over 80 km SSMF Incorporating Clock Recovery, Channel Identification and Demultiplexing in a Polarisation Insensitive Receiver. , 2010, , .		3
153	Time-domain optical Fourier transformation for OTDM-DWDM and DWDM-OTDM conversion. , 2011, , .		3
154	40 Gbit/s serial data signal regeneration using self-phase modulation in a silicon nanowire. , 2012, , .		3
155	160 Gbit/s optical packet switching using a silicon chip. , 2012, , .		3
156	Wavelength Preserving Optical Serial-to-Parallel Conversion. , 2013, , .		3
157	Phase-sensitive optical processing in silicon waveguides. , 2015, , .		3
158	A Novel Phase-Locking-Free Phase Sensitive Amplifier based Regenerator. , 2015, , .		3
159	All-Optical Ultra-High-Speed OFDM to Nyquist-WDM Conversion. , 2015, , .		3
160	Synchronization in a Random Length Ring Network for SDN-Controlled Optical TDM Switching. Journal of Optical Communications and Networking, 2017, 9, A26.	4.8	3
161	On-Chip SDM Switching for Unicast, Multicast, and Traffic Grooming in Data Center Networks. IEEE Photonics Technology Letters, 2017, 29, 231-234.	2.5	3
162	Enhanced dispersion mapping for OPC-aided transmission systems. , 2019, , .		3

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163	MDM Transmission Using Air-Clad Photonic Lanterns. IEEE Photonics Technology Letters, 2020, 32, 1049-1052.	2.5	3
164	160 Gb/s notch-filtered Raman-assisted XPM wavelength converter. , 2005, , .		3
165	High-Q Microring Resonator with Narrow Free Spectral Range for Pulse Repetition Rate Multiplication. , 2009, , .		3
166	Experimental Demonstration of 7 Tb/s Switching Using Novel Silicon Photonic Integrated Circuit. , 2016, , .		3
167	DWDM-to-OTDM Conversion by Time-Domain Optical Fourier Transformation. , 2011, , .		3
168	Nyquist filtering of 160 GBaud NRZ-like DPSK signal. , 2013, , .		3
169	Spectral compression of a DWDM grid using optical time-lenses. , 2013, , .		3
170	320 Gb/s Phase-Transparent Wavelength Conversion in a Silicon Nanowire. , 2011, , .		3
171	Ultrafast Nonlinear Signal Processing in Silicon Waveguides. , 2012, , .		3
172	Synchronization, retiming and OTDM of an asynchronous 10 Gigabit Ethernet NRZ packet using a time lens for Terabit Ethernet. , 2011, , .		3
173	Recent Advances in Ultra-High-Speed Optical Signal Processing. , 2012, , .		3
174	Error-Free 320 Gb/s Simultaneous Add-Drop Multiplexing. , 2007, , .		2
175	Using a newly developed long-period grating filter to improve the timing tolerance of a 320 Gb/s demultiplexer. , 2007, , .		2
176	640 Gbit/s optical wavelength conversion using FWM in a polarisation maintaining HNLF. , 2008, , .		2
177	Polarisation-insensitive 640 Gbit/s demultiplexing using a polarisation-maintaining highly non-linear fibre. , 2009, , .		2
178	Optical Frame Synchronizer for 10 G Ethernet Packets aiming at 1 Tb/s OTDM Ethernet. , 2010, , .		2
179	0.87 Tbit/s 160 Gbaud dual-polarization D8PSK OTDM transmission over 110 km. , 2010, , .		2
180	Ultra-high-speed optical signal processing of Tbaud data signals. , 2010, , .		2

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181	All-optical wavelength conversion of a high-speed RZ-OOK signal in a silicon nanowire. , 2011, , .		2
182	Distortion-less 610 fs pulse transmission over 160 km SSMF-DCF using wavelength selective switch for compensation of chromatic dispersion. , 2011, , .		2
183	Ultra-high-speed optical signal processing of serial data signals. , 2012, , .		2
184	Dynamic characterization of silicon nanowires using a terahertz optical asymmetric demultiplexer-based pump-probe scheme. , 2012, , .		2
185	Simultaneous Regeneration of 4Å—160-Gbit/s WDM and PDM Channels in a Single Highly Nonlinear Fiber. , 2013, , .		2
186	The time lens concept applied to ultra-high-speed OTDM signal processing. , 2013, , .		2
187	Optical Systems for Ultra-High-Speed TDM Networking. Photonics, 2014, 1, 83-94.	2.0	2
188	Scalable In-Band Optical Notch-Filter Labeling for Ultrahigh Bit Rate Optical Packet Switching. Journal of Lightwave Technology, 2014, 32, 4871-4878.	4.6	2
189	640 Gbit/s Optical Packet Switching using a Novel In-Band Optical Notch-Filter Labeling Scheme. , 2014, , .		2
190	A novel phase sensitive amplifier based QPSK regenerator without active phase-locking. , 2015, , .		2
191	Passive Linear-Optics 640 Gbit/s Logic NOT Gate. , 2015, , .		2
192	Experimental demonstration of multidimensional switching nodes for all-optical data centre networks. , 2015, , .		2
193	Phase Regeneration of a BPSK Data Signal Using a Lithium Niobate Phase Modulator. Journal of Lightwave Technology, 2015, 33, 2189-2198.	4.6	2
194	Phase-sensitive four-wave mixing in AlGaAs-on-insulator nano-waveguides. , 2016, , .		2
195	Raman amplification of OAM modes. , 2017, , .		2
196	Optimizing the Achievable Rates of Tricky Channels: A Probabilistic Shaping for OPC Channel Example. , 2018, , .		2
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