

Hao Hu

List of Publications by Year in descending order

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275
papers

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citations

117625

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278
all docs

278
docs citations

278
times ranked

3554
citing authors

#	ARTICLE	IF	CITATIONS
1	Effective Electro-Optical Modulation with High Extinction Ratio by a Graphene-Silicon Microring Resonator. Nano Letters, 2015, 15, 4393-4400.	9.1	196
2	Single-source chip-based frequency comb enabling extreme parallel data transmission. Nature Photonics, 2018, 12, 469-473.	31.4	165
3	640 Gbit/s and 128 Tbit/s polarisation insensitive all optical wavelength conversion. Optics Express, 2010, 18, 9961.	3.4	143
4	Demonstration of 51 Tbit/s data capacity on a single-wavelength channel. Optics Express, 2010, 18, 1438.	3.4	134
5	Nonreciprocal transmission in a nonlinear photonic-crystal Fano structure with broken symmetry. Laser and Photonics Reviews, 2015, 9, 241-247.	8.7	125
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	Fano resonance control in a photonic crystal structure and its application to ultrafast switching. Applied Physics Letters, 2014, 105, .	3.3	107
11	Efficient electro-optic modulation in low-loss graphene-plasmonic slot waveguides. Nanoscale, 2017, 9, 15576-15581.	5.6	94
12	CRL4B promotes tumorigenesis by coordinating with SUV39H1/HP1/DNMT3A in DNA methylation-based epigenetic silencing. Oncogene, 2015, 34, 104-118.	5.9	84
13	Functionalized Layered Double Hydroxide Nanoparticles Conjugated with Disulfide-Linked Polycation Brushes for Advanced Gene Delivery. Bioconjugate Chemistry, 2013, 24, 968-978.	3.6	81
14	320 Gb/s Nyquist OTDM received by polarization-insensitive time-domain OFT. Optics Express, 2014, 22, 110.	3.4	78
15	Ultra-Efficient and Broadband Nonlinear AlGaAs-Insulator Chip for Low-Power Optical Signal Processing. Laser and Photonics Reviews, 2018, 12, 1800111.	8.7	78
16	12 mode, WDM, MIMO-free orbital angular momentum transmission. Optics Express, 2018, 26, 20225.	3.4	77
17	Photonic chip based transmitter optimization and receiver demultiplexing of a 128 Tbit/s OTDM signal. Optics Express, 2010, 18, 17252.	3.4	73
18	Ultra-high-speed wavelength conversion in a silicon photonic chip. Optics Express, 2011, 19, 19886.	3.4	72

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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	2 Å– 300 Gbit/s Line Rate PS-64QAM-OFDM THz Photonic-Wireless Transmission. <i>Journal of Lightwave Technology</i> , 2020, 38, 4715-4721.	4.6	61
21	Chip-based optical frequency combs for high-capacity optical communications. <i>Nanophotonics</i> , 2021, 10, 1367-1385.	6.0	59
22	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
23	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
24	Preparation and evaluation of well-defined hemocompatible layered double hydroxide-poly(sulfobetaine) nanohybrids. <i>Journal of Materials Chemistry</i> , 2012, 22, 15362.	6.7	53
25	120 Gb/s Multi-Channel THz Wireless Transmission and THz Receiver Performance Analysis. <i>IEEE Photonics Technology Letters</i> , 2017, 29, 310-313.	2.5	53
26	Fiber nonlinearity mitigation of WDM-PDM QPSK/16-QAM signals using fiber-optic parametric amplifiers based multiple optical phase conjugations. <i>Optics Express</i> , 2017, 25, 1618.	3.4	49
27	Integrated dual-laser photonic chip for high-purity carrier generation enabling ultrafast terahertz wireless communications. <i>Nature Communications</i> , 2022, 13, 1388.	12.8	48
28	260 Gbit/s photonic-wireless link in the THz band. , 2016, , .		47
29	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
30	THz photonic wireless links with 16-QAM modulation in the 375-450 GHz band. <i>Optics Express</i> , 2016, 24, 23777.	3.4	44
31	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
32	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
33	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
34	Compact titanium dioxide waveguides with high nonlinearity at telecommunication wavelengths. <i>Optics Express</i> , 2018, 26, 1055.	3.4	37
35	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
36	Ultrafast all-optical modulation using a photonic-crystal Fano structure with broken symmetry. <i>Optics Letters</i> , 2015, 40, 2357.	3.3	36

#	ARTICLE	IF	CITATIONS
37	Parametric Amplification, Wavelength Conversion, and Phase Conjugation of a 2.048-Tbit/s WDM PDM 16-QAM Signal. <i>Journal of Lightwave Technology</i> , 2015, 33, 1286-1291.	4.6	34
38	Bridging the Terahertz Gap: Photonics-Assisted Free-Space Communications From the Submillimeter-Wave to the Mid-Infrared. <i>Journal of Lightwave Technology</i> , 2022, 40, 3149-3162.	4.6	33
39	Energy-efficient thermo-optic silicon phase shifter with well-balanced overall performance. <i>Optics Letters</i> , 2020, 45, 4806.	3.3	32
40	Double-layer graphene on photonic crystal waveguide electro-absorption modulator with 12 GHz bandwidth. <i>Nanophotonics</i> , 2020, 9, 2377-2385.	6.0	32
41	Spatially controlled electrostatic doping in graphene p-i-n junction for hybrid silicon photodiode. <i>Npj 2D Materials and Applications</i> , 2018, 2, .	7.9	31
42	Polarization-insensitive all-optical wavelength conversion of 320 Gb/s RZ-DQPSK signals using a Ti:PPLN waveguide. <i>Applied Physics B: Lasers and Optics</i> , 2010, 101, 875-882.	2.2	29
43	Nonlinear Tomlinson-Harashima precoding for direct-detected double sideband PAM-4 transmission without dispersion compensation. <i>Optics Express</i> , 2019, 27, 19156.	3.4	29
44	Fiber Nonlinearity Compensation of an 8-channel WDM PDM-QPSK Signal using Multiple Phase Conjugations. , 2014, , .		28
45	Scalable WDM phase regeneration in a single phase-sensitive amplifier through optical time lenses. <i>Nature Communications</i> , 2018, 9, 1049.	12.8	26
46	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
47	Polarization insensitive wavelength conversion in a dispersion-engineered silicon waveguide. <i>Optics Express</i> , 2012, 20, 16374.	3.4	25
48	Pulse source based on directly modulated laser and phase modulator. <i>Optics Express</i> , 2007, 15, 8931.	3.4	23
49	Broadband Optical Frequency Comb Generation With Flexible Frequency Spacing and Center Wavelength. <i>IEEE Photonics Journal</i> , 2018, 10, 1-7.	2.0	23
50	Generation of a 640 Gbit/s NRZ OTDM signal using a silicon microring resonator. <i>Optics Express</i> , 2011, 19, 6471.	3.4	22
51	Integrated Dual-DFB Laser for 408 GHz Carrier Generation Enabling 131 Gbit/s Wireless Transmission over 10.7 Meters. , 2019, , .		22
52	Polarization-Insensitive 640 Gb/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
53	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
54	Signal reshaping and noise suppression using photonic crystal Fano structures. <i>Optics Express</i> , 2018, 26, 19596.	3.4	21

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55	THz Wireless Transmission Systems Based on Photonic Generation of Highly Pure Beat-Notes. IEEE Photonics Journal, 2016, 8, 1-8.	2.0	20
56	All-Optical Ultra-High-Speed OFDM to Nyquist-WDM Conversion Based on Complete Optical Fourier Transformation. Journal of Lightwave Technology, 2016, 34, 626-632.	4.6	20
57	15-THz Tunable Wavelength Conversion of Picosecond Pulses in a Silicon Waveguide. IEEE Photonics Technology Letters, 2011, 23, 1409-1411.	2.5	19
58	Single Channel 106 Gbit/s 16QAM Wireless Transmission in the 0.4 THz Band. , 2017, , .		18
59	Super-broadband on-chip continuous spectral translation unlocking coherent optical communications beyond conventional telecom bands. Nature Communications, 2022, 13, .	12.8	18
60	Generation of 1024-Tb/s Nyquist-WDM phase-conjugated twin vector waves by a polarization-insensitive optical parametric amplifier for fiber-nonlinearity-tolerant transmission. Optics Express, 2014, 22, 6478.	3.4	17
61	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
62	1.28 Tbaud Nyquist Signal Transmission using Time-Domain Optical Fourier Transformation based Receiver. , 2013, , .		17
63	40-Gb/s All-Optical Serial-to-Parallel Conversion Based on a Single SOA. IEEE Photonics Technology Letters, 2008, 20, 1181-1183.	2.5	16
64	Intra-Datacenter Interconnects With a Serialized Silicon Optical Frequency Comb Modulator. Journal of Lightwave Technology, 2020, 38, 4677-4682.	4.6	16
65	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
66	High-Q titanium dioxide micro-ring resonators for integrated nonlinear photonics. Optics Express, 2020, 28, 39084.	3.4	16
67	Single-Source AlGaAs Frequency Comb Transmitter for 661 Tbit/s Data Transmission in a 30-core Fiber. , 2016, , .		15
68	Simultaneous Polarization-Insensitive Wavelength Conversion of 80-Gb/s RZ-DQPSK Signal and 40-Gb/s RZ-OOK Signal in a Ti:PPLN Waveguide. Journal of Lightwave Technology, 2011, 29, 1092-1097.	4.6	14
69	Parametric amplification and phase preserving amplitude regeneration of a 640 Gbit/s RZ-DPSK signal. Optics Express, 2013, 21, 25944.	3.4	14
70	All-Optical Switching Improvement Using Photonic-Crystal Fano Structures. IEEE Photonics Journal, 2016, 8, 1-8.	2.0	14
71	Pulse carving using nanocavity-enhanced nonlinear effects in photonic crystal Fano structures. Optics Letters, 2018, 43, 955.	3.3	14
72	Computationally efficient 104 Gb/s PWL-Volterra equalized 2D-TCM-PAM8 in dispersion unmanaged DML-DD system. Optics Express, 2020, 28, 7070.	3.4	14

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73	DSP-free single-wavelength 100 Gbps SDM-PON with increased splitting ratio using 10G-class DML. <i>Optics Express</i> , 2019, 27, 33915.	3.4	14
74	Phase-modulator-based optoelectronic oscillator for generating short optical pulse and microwave signal. <i>Optical Engineering</i> , 2007, 46, 090502.	1.0	13
75	Photonic chip based 1.28 Tbaud Transmitter Optimization and Receiver OTDM Demultiplexing. , 2010, , .		13
76	Optical Waveform Sampling and Error-free Demultiplexing of 1.28 Tbit/s Serial Data in a Silicon Nanowire. , 2010, , .		13
77	Piecewise Linear Equalizer for DML Based PAM-4 Signal Transmission Over a Dispersion Uncompensated Link. <i>Journal of Lightwave Technology</i> , 2020, 38, 654-660.	4.6	13
78	110 km transmission of 160 Gbit/s RZ-DQPSK signals by midspan polarization-insensitive optical phase conjugation in a Ti:PPLN waveguide. <i>Optics Letters</i> , 2010, 35, 2867.	3.3	12
79	4 Å— 160-Gbit/s multi-channel regeneration in a single fiber. <i>Optics Express</i> , 2014, 22, 11456.	3.4	12
80	160-Gb/s Silicon All-Optical Packet Switch for Buffer-less Optical Burst Switching. <i>Journal of Lightwave Technology</i> , 2015, 33, 843-848.	4.6	12
81	300 Gb/s IM/DD based SDM-WDM-PON with laserless ONUs. <i>Optics Express</i> , 2018, 26, 7949.	3.4	12
82	AlGaAs-On-Insulator Nanowire with 750 nm FWM Bandwidth, -9 dB CW Conversion Efficiency, and Ultrafast Operation Enabling Record Tbaud Wavelength Conversion. , 2015, , .		12
83	Polarization-Insensitive 320-Cb/s In-Line All-Optical Wavelength Conversion in a 320-km Transmission Span. <i>IEEE Photonics Technology Letters</i> , 2011, 23, 627-629.	2.5	11
84	Optical switching and detection of 640 Gbits/s optical time-division multiplexed data packets transmitted over 50 km of fiber. <i>Optics Letters</i> , 2011, 36, 3473.	3.3	11
85	Polarization-insensitive wavelength conversion of 40 Gb/s NRZ-DPSK signals in a silicon polarization diversity circuit. <i>Optics Express</i> , 2014, 22, 12467.	3.4	11
86	Silicon/silicon-rich nitride hybrid-core waveguide for nonlinear optics. <i>Optics Express</i> , 2019, 27, 23775.	3.4	11
87	Fiber Nonlinearity Compensation by Repeated Phase Conjugation in 2.048-Tbit/s WDM transmission of PDM 16-QAM Channels. , 2016, , .		11
88	Tunable All-Optical Wavelength Conversion Based on Cascaded SHG/DFG in a Ti:PPLN Waveguide Using a Single CW Control Laser. <i>IEEE Photonics Journal</i> , 2012, 4, 1396-1400.	2.0	10
89	Forward error correction supported 150 Gbit/s error-free wavelength conversion based on cross phase modulation in silicon. <i>Optics Express</i> , 2013, 21, 3152.	3.4	10
90	Single Dark-Pulse Kerr Comb Supporting 1.84 Pbit/s Transmission over 37-Core Fiber. , 2020, , .		10

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91	Enhancing amplification of late-outgrowth endothelial cells by bilobalide. Journal of Cellular and Molecular Medicine, 2018, 22, 3340-3352.	3.6	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	Digital-Analog Hybrid Optical Access Integrating 56-Gbps PAM-4 Signal and 5G mmWave Signal by Spectral Null Filling. Journal of Lightwave Technology, 2021, 39, 1278-1288.	4.6	9
94	Single Source 5-dimensional (Space-, Wavelength-, Time-, Polarization-, Quadrature-) 43 Tbit/s Data Transmission of 6 SDM – 6 WDM – 1.2 Tbit/s Nyquist-OTDM-PDM-QPSK. , 2014, , .		9
95	Experimental study on all-optical half-adder based on semiconductor optical amplifier. Optoelectronics Letters, 2009, 5, 161-164.	0.8	8
96	Error-free transmission of serial 1.28 Tbaud RZ-DPSK signal. , 2010, , .		8
97	Demonstration of Cascaded In-Line Single-Pump Fiber Optical Parametric Amplifiers in Recirculating Loop Transmission. , 2012, , .		8
98	Silicon Chip based Wavelength Conversion of Ultra-High Repetition Rate Data Signals. , 2011, , .		8
99	12 Mode, MIMO-Free OAM Transmission. , 2017, , .		8
100	Investigation of a Rate-Selectable All-Optical Packet Clock Recovery System. IEEE Photonics Technology Letters, 2008, 20, 466-468.	2.5	7
101	Polarization Insensitive All-Optical Wavelength Conversion of 320 Gb/s RZ-DQPSK Data Signals. , 2009, , .		7
102	Single-Channel 1-Tb/s Transmission over 480 km DMF for Future Terabit Ethernet Systems. , 2009, , .		7
103	640 GBd Phase-Correlated OTDM NRZ-OOK Generation and Field Trial Transmission. Journal of Lightwave Technology, 2013, 31, 696-701.	4.6	7
104	All-optical OFDM system using a wavelength selective switch based transmitter and a spectral magnification based receiver. , 2014, , .		7
105	Experimental demonstration of 6-mode division multiplexed NG-PON2: Cost effective 40 Gbit/s/spatial-mode access based on 3D laser inscribed photonic lanterns. , 2015, , .		7
106	Kramers-Kronig Detection with Adaptive Rates for 909.5 Tbit/s Dense SDM and WDM Data Channels. , 2018, , .		7
107	107.1-Gbps net-rate transmission over a joint 51km-fibre-and-10.7m-wireless link for terahertz radio access networks. , 2019, , .		7
108	120 GBaud PAM-4/PAM-6 Generation and Detection by Photonic Aided Digital-to-Analog Converter and Linear Equalization. Journal of Lightwave Technology, 2020, 38, 2226-2230.	4.6	7

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109	224-Gbps single-photodiode PAM-4 transmission with extended transmitter bandwidth based on optical time-and-polarization interleaving. Optics Express, 2020, 28, 21155.	3.4	7
110	Bidirectional 120 Gbps SDM-WDM-PON with Colourless ONU using 10 Gbps Optical Components without DSP. , 2016, , .		7
111	744-nm wavelength conversion of PAM-4 signal using an AlGaAsOI nanowaveguide. Optics Letters, 2020, 45, 889.	3.3	7
112	10â€¦GHz 1.6â€¦ps optical pulse generation with 84â€¦fs timing jitter. Electronics Letters, 2007, 43, 1222.	1.0	6
113	Optical Synchronization of a 10-G Ethernet Packet and Time-Division Multiplexing to a 50-Gb/s Signal Using an Optical Time Lens. IEEE Photonics Technology Letters, 2010, 22, 1583-1585.	2.5	6
114	Nonlinear Optical Signal Processing for Tbit/s Ethernet Applications. International Journal of Optics, 2012, 2012, 1-14.	1.4	6
115	Inhibition of potassium currents is involved in antiarrhythmic effect of moderate ethanol on atrial fibrillation. Toxicology and Applied Pharmacology, 2017, 322, 89-96.	2.8	6
116	Impact of Signal-Conjugate Wavelength Shift on Optical Phase Conjugation-based Transmission of QAM Signals. , 2017, , .		6
117	100s Gigabit/s THz Communication. , 2018, , .		6
118	Low-dose alcohol ameliorated high fat diet-induced anxiety-related behavior <i>via</i> enhancing adiponectin expression and activating the Nrf2 pathway. Food and Function, 2021, 12, 241-251.	4.6	6
119	Silicon Chip based Wavelength Conversion of Ultra-High Repetition Rate Data Signals. , 2011, , .		6
120	All-optical 3R regeneration based on the XPM effect of semiconductor optical amplifier. Microwave and Optical Technology Letters, 2008, 50, 1807-1810.	1.4	5
121	Generation and Detection of 2.56 Tbit/s OTDM Data using DPSK and Polarisation Multiplexing. , 2010, , .		5
122	Simultaneous Dual-Channel Retiming and Reshaping Using Two Independent Phase Clocks in Fiber-Optic Parametric Amplification. IEEE Photonics Technology Letters, 2010, 22, 760-762.	2.5	5
123	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
124	In-Fiber Subpicosecond Pulse Shaping for Nonlinear Optical Telecommunication Data Processing at 640â€¦Gbit/s. International Journal of Optics, 2012, 2012, 1-16.	1.4	5
125	All-optical WDM regeneration of DPSK signals using optical fourier transformation and phase sensitive amplification. , 2015, , .		5
126	Linear all-optical signal processing using silicon micro-ring resonators. Frontiers of Optoelectronics, 2016, 9, 362-376.	3.7	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	High-Order Phase-Matching Enabled Octave-Bandwidth Four-Wave Mixing in AlGaAs-On-Insulator Waveguides. , 2019, , .		5
131	PS-64QAM-OFDM THz Photonic-Wireless Transmission with 2 \bar{A} –300 Gbit/s Line Rate. , 2020, , .		5
132	Detailed time-resolved spectral analysis of ultra-fast four-wave mixing in silicon nanowires. , 2011, , .		4
133	All-optical 2R regeneration of a 160-Gbit/s RZOOK serial data signal using a FOPA. , 2012, , .		4
134	Optical time domain demultiplexing using fano resonance in InP photonic crystals. , 2017, , .		4
135	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
136	Ultra-High-Speed Optical Serial-to-Parallel Data Conversion in a Silicon Nanowire. , 2011, , .		4
137	Foundry-Fabricated Dual-DFB PIC Injection-Locked to Optical Frequency Comb for High-Purity THz Generation. , 2019, , .		4
138	Low-Cost and High-Spectral-Efficient Co-Transmission Integrating 28-Gbaud PAM-4/NRZ and 5G-mmW ARoF. , 2020, , .		4
139	Linewidth investigation of monolithically integrated 40 GHz mode-locked laser diodes for high-speed RZ-DQPSK transmission. , 2008, , .		3
140	650 Gbit/s OTDM Transmission over 80 km SSMF Incorporating Clock Recovery, Channel Identification and Demultiplexing in a Polarisation Insensitive Receiver. , 2010, , .		3
141	Time-domain optical Fourier transformation for OTDM-DWDM and DWDM-OTDM conversion. , 2011, , .		3
142	40 Gbit/s serial data signal regeneration using self-phase modulation in a silicon nanowire. , 2012, , .		3
143	160 Gbit/s optical packet switching using a silicon chip. , 2012, , .		3
144	Optical parametric wavelength conversion for 53.5 \hat{a} €Gb/s RZ \hat{a} €DPSK signal with phase preserved amplitude regeneration. Microwave and Optical Technology Letters, 2012, 54, 2172-2175.	1.4	3

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145	Wavelength Preserving Optical Serial-to-Parallel Conversion. , 2013, , .		3
146	Conversion of a DWDM signal to a single Nyquist channel based on a complete optical Fourier transformation. , 2014, , .		3
147	Ultrafast low-energy all-optical switching using a photonic-crystal asymmetric Fano structure. , 2015, , .		3
148	All-Optical Ultra-High-Speed OFDM to Nyquist-WDM Conversion. , 2015, , .		3
149	Supercontinuum Generation in AlGaAs-On-Insulator Nano-Waveguide at Telecom Wavelengths. , 2016, , .		3
150	Experimental analysis of THz receiver performance in 80 Gbit/s communication system. , 2016, , .		3
151	Low-dose alcohol ameliorated homocysteine-induced anxiety-related behavior via attenuating oxidative stress in mice. Neuroscience Letters, 2020, 714, 134568.	2.1	3
152	\hat{m}^2 mid-infrared silicon-rich silicon nitride/silicon hybrid nonlinear waveguides. Optics Communications, 2021, 481, 126544.	2.1	3
153	DWDM-to-OTDM Conversion by Time-Domain Optical Fourier Transformation. , 2011, , .		3
154	Nyquist filtering of 160 GBaud NRZ-like DPSK signal. , 2013, , .		3
155	Spectral compression of a DWDM grid using optical time-lenses. , 2013, , .		3
156	320 Gb/s Phase-Transparent Wavelength Conversion in a Silicon Nanowire. , 2011, , .		3
157	Ultrafast Nonlinear Signal Processing in Silicon Waveguides. , 2012, , .		3
158	Synchronization, retiming and OTDM of an asynchronous 10 Gigabit Ethernet NRZ packet using a time lens for Terabit Ethernet. , 2011, , .		3
159	Recent Advances in Ultra-High-Speed Optical Signal Processing. , 2012, , .		3
160	All-Optical 40 Gbit/s Regenerative Wavelength Conversion Based on Cross-Phase Modulation in a Silicon Nanowire. , 2013, , .		3
161	Effective carrier sweepout in a silicon waveguide by a metal-semiconductor-metal structure. , 2015, , .		3
162	107 Gb/s RZ-DPSK Transmission over 320 km Dispersion-managed Fiber with Balanced Detection ETDM Integrated Receiver. , 2008, , .		2

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163	Time- and wavelength-interleaved picosecond pulse source using spectral slicing and dispersion management. <i>Optical Engineering</i> , 2009, 48, 015003.	1.0	2
164	Polarisation-insensitive 640 Gbit/s demultiplexing using a polarisation-maintaining highly non-linear fibre. , 2009, , .		2
165	107 Gb/s RZ-DQPSK Signal Transmission over 108 km SMF Using Optical Phase Conjugation in an SOA. , 2009, , .		2
166	Optical Frame Synchronizer for 10 G Ethernet Packets aiming at 1 Tb/s OTDM Ethernet. , 2010, , .		2
167	Ultra-high-speed optical signal processing of Tbaud data signals. , 2010, , .		2
168	Analysis of a time-lens based optical frame synchronizer and retimer for 10G Ethernet aiming at a Tb/s optical router/Switch design. , 2010, , .		2
169	All-optical wavelength conversion of a high-speed RZ-OOK signal in a silicon nanowire. , 2011, , .		2
170	Ultra-high-speed optical signal processing of serial data signals. , 2012, , .		2
171	Simultaneous Regeneration of 4Å—160-Gbit/s WDM and PDM Channels in a Single Highly Nonlinear Fiber. , 2013, , .		2
172	The time lens concept applied to ultra-high-speed OTDM signal processing. , 2013, , .		2
173	Optical Systems for Ultra-High-Speed TDM Networking. <i>Photonics</i> , 2014, 1, 83-94.	2.0	2
174	Parametric amplification and wavelength conversion of a 2.048-Tbit/s WDM PDM 16-QAM signal. , 2014, , .		2
175	Phase-sensitive four-wave mixing in AlGaAs-on-insulator nano-waveguides. , 2016, , .		2
176	Characterization and Optimal Design of Silicon-Rich Nitride Nonlinear Waveguides for 2 $\hat{1}$ / ₄ m Wavelength Band. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 8087.	2.5	2
177	Changes in the hepatitis B surface antibody in childhood acute lymphocytic leukaemia survivors after treatment with the CCLG-ALL 2008 protocol. <i>Clinical and Experimental Immunology</i> , 2020, 203, 80-86.	2.6	2
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