

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. | 4.6 | 8 |
| 2 | Crosstalk-free all-optical switching enabled by Fano resonance in a multi-mode photonic crystal nanocavity. Optics Express, 2022, 30, 7457. | 3.4 | 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, . | 12.8 | 18 |
| 5 | Probabilistic Shaping for the Optical Phase Conjugation Channel. IEEE Journal of Selected Topics in Quantum Electronics, 2021, 27, 1-16. | 2.9 | 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. | 2.9 | 9 |
| 7 | Recent Progress on Optical Regeneration of Wavelength-Division-Multiplexed Data. IEEE Journal of Selected Topics in Quantum Electronics, 2021, 27, 1-12. | 2.9 | 12 |
| 8 | Symmetry Enhancement Through Advanced Dispersion Mapping in OPC-Aided Transmission. Journal of Lightwave Technology, 2021, 39, 2820-2829. | 4.6 | 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. | 6.0 | 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. | 12.8 | 15 |
| 13 | MDM Transmission Using Air-Clad Photonic Lanterns. IEEE Photonics Technology Letters, 2020, 32, 1049-1052. | 2.5 | 3 |
| 14 | Modeling of MIMO Less Mode Division Multiplexed Systems. IEEE Photonics Technology Letters, 2020, 32, 1191-1194. | 2.5 | 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. | 3.3 | 7 |
| 17 | Double-layer graphene on photonic crystal waveguide electro-absorption modulator with 12 GHz bandwidth. Nanophotonics, 2020, 9, 2377-2385. | 6.0 | 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, . | 3.8 | 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, . | 5.7 | 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. | 4.6 | 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. | 4.6 | 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, . | 5.3 | 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. | 4.6 | 10 |
| 36 | Air-cladded mode-group selective photonic lanterns for mode-division multiplexing. Optics Express, 2019, 27, 13329. | 3.4 | 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. | 4.6 | 113 |
| 41 | Scalable WDM phase regeneration in a single phase-sensitive amplifier through optical time lenses. Nature Communications, 2018, 9, 1049. | 12.8 | 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 | 4.6 | 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. | 4.6 | 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. | 3.4 | 77 |
| 50 | Single-source chip-based frequency comb enabling extreme parallel data transmission. Nature Photonics, 2018, 12, 469-473. | 31.4 | 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. | 7.0 | 8 |
| 52 | Pulse carving using nanocavity-enhanced nonlinear effects in photonic crystal Fano structures. Optics Letters, 2018, 43, 955. | 3.3 | 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. | 3.4 | 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. | 4.6 | 18 |
| 60 | 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 |
| 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. | 5.7 | 17 |
| 63 | 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 |
| 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. | 4.6 | 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. | 4.6 | 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. | 4.6 | 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. | 3.4 | 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. | 3.4 | 44 |
| 83 | Detailed characterization of CW- and pulsed-pump four-wave mixing in highly nonlinear fibers. Optics Letters, 2016, 41, 4887. | 3.3 | 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, . | 5.7 | 110 |
| 88 | Reconfigurable SDM Switching Using Novel Silicon Photonic Integrated Circuit. Scientific Reports, 2016, 6, 39058. | 3.3 | 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. | 4.6 | 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. | 3.7 | 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. | 3.1 | 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. | 4.6 | 20 |
| 95 | Combined Optical and Electrical Spectrum Shaping for High-Baud-Rate Nyquist-WDM Transceivers. <i>IEEE Photonics Journal</i> , 2016, 8, 1-11. | 2.0 | 10 |
| 96 | A Novel Phase-Locking-Free Phase Sensitive Amplifier-Based Regenerator. <i>Journal of Lightwave Technology</i> , 2016, 34, 643-652. | 4.6 | 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. | 3.3 | 9 |
| 98 | 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 |
| 99 | Photonic compressive sensing with a micro-ring-resonator-based microwave photonic filter. <i>Optics Communications</i> , 2016, 373, 65-69. | 2.1 | 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. | 2.5 | 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. | 4.6 | 2 |
| 125 | 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 |
| 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. | 2.5 | 4 |
| 129 | Compressive sensing with a microwave photonic filter. Optics Communications, 2015, 338, 428-432. | 2.1 | 9 |
| 130 | Energy-Efficient Optical Signal Processing Using Optical Time Lenses. Springer Series in Optical Sciences, 2015, , 261-289. | 0.7 | 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. | 2.0 | 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. | 4.6 | 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. | 3.3 | 13 |
| 140 | Compressive sensing in a photonic link with optical integration. Optics Letters, 2014, 39, 2222. | 3.3 | 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. | 3.4 | 78 |
| 143 | All-optical OFDM demultiplexing by spectral magnification and band-pass filtering. Optics Express, 2014, 22, 136. | 3.4 | 16 |
| 144 | 4 Å– 160-Gbit/s multi-channel regeneration in a single fiber. Optics Express, 2014, 22, 11456. | 3.4 | 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. | 3.4 | 75 |
| 147 | Simultaneous QPSK-to- π -BPSK Wavelength and Modulation Format Conversion in PPLN. IEEE Photonics Technology Letters, 2014, 26, 1207-1210. | 2.5 | 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. | 4.6 | 7 |
| 154 | Simultaneous regeneration of two 160 Gbit/s WDM channels in a single highly nonlinear fiber. Optics Express, 2013, 21, 2862. | 3.4 | 1 |
| 155 | Dynamic Characterization and Impulse Response Modeling of Amplitude and Phase Response of Silicon Nanowires. IEEE Photonics Journal, 2013, 5, 4500111-4500111. | 2.0 | 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. | 3.4 | 10 |
| 158 | Parametric amplification and phase preserving amplitude regeneration of a 640 Gbit/s RZ-DPSK signal. Optics Express, 2013, 21, 25944. | 3.4 | 14 |
| 159 | Dynamic characterization and amplification of sub-picosecond pulses in fiber optical parametric chirped pulse amplifiers. Optics Express, 2013, 21, 26044. | 3.4 | 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. | 3.4 | 13 |
| 173 | Polarization insensitive wavelength conversion in a dispersion-engineered silicon waveguide. Optics Express, 2012, 20, 16374. | 3.4 | 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. | 4.6 | 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. | 1.4 | 5 |
| 185 | Nonlinear Optical Signal Processing for Tbit/s Ethernet Applications. International Journal of Optics, 2012, 2012, 1-14. | 1.4 | 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. | 2.9 | 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. | 2.9 | 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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