Leif Katsuo OxenlÃ¸we

List of Publications by Year
in descending order

440	6,844	66343	82547
papers	citations	42 h-index	72 g-index

443	443	443	4987
all docs	docs citations	times ranked	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	Photonic integrated chip enabling orbital angular momentum multiplexing for quantum communication. Nanophotonics, 2022, 11, 821-827.	6.0	22
3	Quantum randomness generation via orbital angular momentum modes crosstalk in a ring-core fiber. AVS Quantum Science, 2022, 4, .	4.9	12
4	Bridging the Terahertz Gap: Photonics-Assisted Free-Space Communications From the Submillimeter-Wave to the Mid-Infrared. Journal of Lightwave Technology, 2022, 40, 3149-3162.	4.6	33
5	A programmable qudit-based quantum processor. Nature Communications, 2022, 13, 1166.	12.8	93
6	Integrated dual-laser photonic chip for high-purity carrier generation enabling ultrafast terahertz wireless communications. Nature Communications, 2022, 13, 1388.	12.8	48
7	64-Channel WDM Transmitter based on Optical Fourier Transformation using a Portable Time Lens Assembly. , 2022, , .		0
8	Quantum communications with space encoding technique. , 2022, , .		0
9	Super-broadband on-chip continuous spectral translation unlocking coherent optical communications beyond conventional telecom bands. Nature Communications, 2022, 13, .	12.8	18
10	Probabilistic Shaping for the Optical Phase Conjugation Channel. IEEE Journal of Selected Topics in Quantum Electronics, 2021, 27, 1-16.	2.9	9
11	Advances in Silicon Quantum Photonics. IEEE Journal of Selected Topics in Quantum Electronics, 2021, 27, 1-24.	2.9	41
12	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
13	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
14	High-performance Silicon/Graphene Photodetector Employing Double Slot Structure. , 2021, , .		0
15	Chip-based optical frequency combs for high-capacity optical communications. Nanophotonics, 2021, 10, 1367-1385.	6.0	59
16	Path-encoded high-dimensional quantum communication over a 2-km multicore fiber. Npj Quantum Information, 2021, 7, .	6.7	24
17	Integrated MLL chip-based PAM-4/DMT-16QAM photonic-wireless link in W-band for flexible applications. Optics Express, 2021, 29, 15969.	3.4	2
18	Stimulated Brillouin Scattering on AlGaAs on Sapphire platform. , 2021, , .		1

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19	Error-protected qubits in a silicon photonic chip. Nature Physics, 2021, 17, 1137-1143.	16.7	53
20	Characterization and stability measurement of deployed multicore fibers for quantum applications. Photonics Research, 2021, 9, 1992.	7.0	8
21	Maxwell-Boltzmann PMF Design Using Machine Learning for Reconfigurable Optical Fiber Networks. , 2021, , .		0
22	Integrated Dual-DFB Laser Chip-based PAM-4 Photonic-Wireless Transmission in W-band. , 2021, , .		2
23	Orbital Angular Momentum Mode Multiplexing and Data Transmission using a Silicon Photonic Integrated MUX. , 2021, , .		4
24	Free-Space Transmissions in the Upper- and Lower-THz Bands Assisted with Photonics. , 2021, , .		1
25	Quantum-Communication using Multicore Fibers. , 2021, , .		1
26	Ultra-compact integrated graphene plasmonic photodetector with bandwidth above 110 GHz. Nanophotonics, 2020, 9, 317-325.	6.0	113
27	Optical processing and manipulation of wavelength division multiplexed signals. , 2020, , 233-299.		2
28	Chip-to-chip quantum teleportation and multi-photon entanglement in silicon. Nature Physics, 2020, 16, 148-153.	16.7	163
29	Probabilistically Shaped Rate-Adaptive Polar-Coded 256-QAM WDM Optical Transmission System. Journal of Lightwave Technology, 2020, 38, 1800-1808.	4.6	11
30	Frequency-domain ultrafast passive logic: NOT and XNOR gates. Nature Communications, 2020, 11, 5839.	12.8	15
31	Efficient Time-Bin Encoding for Practical High-Dimensional Quantum Key Distribution. Physical Review Applied, 2020, 14, .	3.8	46
32	Optimization of Probabilistic Shaping for Nonlinear Fiber Channels with Non-Gaussian Noise. Entropy, 2020, 22, 872.	2.2	4
33	Quantum Communication with Orbital Angular Momentum. , 2020, , .		3
34	2 Ã— 300 Gbit/s Line Rate PS-64QAM-OFDM THz Photonic-Wireless Transmission. Journal of Lightwave Technology, 2020, 38, 4715-4721.	4.6	61
35	Intra-Datacenter Interconnects With a Serialized Silicon Optical Frequency Comb Modulator. Journal of Lightwave Technology, 2020, 38, 4677-4682.	4.6	16
36	Stable Transmission of High-Dimensional Quantum States Over a 2-km Multicore Fiber. IEEE Journal of Selected Topics in Quantum Electronics, 2020, 26, 1-8.	2.9	25

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37	All-Optical Nonlinear Pre-Compensation of Long-Reach Unrepeatered Systems. , 2020, , .		3
38	Single Dark-Pulse Kerr Comb Supporting 1.84 Pbit/s Transmission over 37-Core Fiber. , 2020, , .		10
39	High-Q titanium dioxide micro-ring resonators for integrated nonlinear photonics. Optics Express, 2020, 28, 39084.	3.4	16
40	744-nm wavelength conversion of PAM-4 signal using an AlGaAsOI nanowaveguide. Optics Letters, 2020, 45, 889.	3.3	7
41	Double-layer graphene on photonic crystal waveguide electro-absorption modulator with 12 GHz bandwidth. Nanophotonics, 2020, 9, 2377-2385.	6.0	32
42	32-Channel WDM Transmitter based on a Single Off-the-Shelf Transceiver and a Time Lens. , 2020, , .		0
43	DMT-16QAM photonic-wireless link in W-band enabled by an integrated MLL chip. , 2020, , .		0
44	Noise statistics and its implications on optimal constellation shapes for channels with optical phase conjugation. , 2020, , .		1
45	All-Optical Spectral Magnification of WDM Signals after 50 km of Dispersion Un-Compensated Transmission. , 2020, , .		0
46	Spectrally Efficient DP-1024QAM 640 Gb/s Long Haul Transmission using a Frequency Comb. , 2020, , .		2
47	Broadband Optical Signal Processing in AlGaAs-on-insulator Waveguides. , 2020, , .		0
48	Generation and heterodyne detection of a 2-Î¼m-band 16-QAM signal based on inter-band wavelength conversion. , 2020, , .		0
49	Record-High Continuous-Wave Nonlinear Performance of Amorphous Silicon Waveguides. , 2020, , .		2
50	Integrated Quantum Photonics on Silicon Platform. , 2020, , .		2
51	Characterization and Optical Compensation of LP01 and LP11 Intra-modal Nonlinearity in Few-Mode Fibers. , 2020, , .		1
52	The Impact of Higher Order Dispersion in a Time Lens based WDM Transmitter. , 2020, , .		0
53	A silicon photonics processor for error-protected measurement-based quantum computing. , 2020, , .		0
54	Chip Based THz Emitter for Ultra-high Speed THz Wireless Communication. , 2019, , .		1

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55	An Experimental Demonstration of Rate-Adaptation Using Shaped Polar Codes for Flexible Optical Networks. Journal of Lightwave Technology, 2019, 37, 3357-3364.	4.6	4
56	Orbital Angular Momentum States Enabling Fiber-based High-dimensional Quantum Communication. Physical Review Applied, 2019, 11, .	3.8	128
57	Generation and sampling of quantum states of light in a silicon chip. Nature Physics, 2019, 15, 925-929.	16.7	148
58	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
59	Coherent WDM PON using a Single Time Lens Source and Kramers-Kronig Receiver. , 2019, , .		0
60	Highâ€Dimensional Quantum Communication: Benefits, Progress, and Future Challenges. Advanced Quantum Technologies, 2019, 2, 1900038.	3.9	195
61	Co-Existence of 87 Mbit/s Quantum and 10 Gbit/s Classical Communications in 37-Core Fiber. , 2019, , .		1
62	UV-Light Generation in Silicon Nitride Resonators Pumped at Telecom Wavelengths. , 2019, , .		0
63	A Silicon Photonic Design Concept for a Chip-to-Fibre Orbital Angular Momentum Mode-Division Multiplexer. , 2019, , .		3
64	Characterization and Optimization of Four-Wave-Mixing Wavelength Conversion System. Journal of Lightwave Technology, 2019, 37, 5628-5636.	4.6	21
65	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
66	Unidirectional frequency conversion in microring resonators for on-chip frequency-multiplexed single-photon sources. New Journal of Physics, 2019, 21, 033037.	2.9	15
67	Unrepeatered Transmission Reach Extension by Receiver-Side all-Optical Back-Propagation. , 2019, , .		5
68	Towards High-Speed Fano Photonic Switches. , 2019, , .		1
69	Boosting the secret key rate in a shared quantum and classical fibre communication system. Communications Physics, 2019, 2, .	5.3	48
70	High-Dimensional Quantum Communication Using Space Encoding. , 2019, , .		0
71	Field Trial of a Finite-Key Quantum Key Distribution System in the Metropolitan Florence Area. , 2019, , .		3
72	Silicon Photonics for Quantum Communication. , 2019, , .		5

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73	Low-Power Thermo-Optic Switching Using Photonic Crystal Fano Structure with p-i-n Junction. , 2019, , .		2
74	Experimental demonstration of the DPTS QKD protocol over a 170â€‰km fiber link. Applied Physics Letters, 2019, 114, .	3.3	10
75	Perturbation-Based FEC-Assisted Iterative Nonlinearity Compensation for WDM Systems. Journal of Lightwave Technology, 2019, 37, 875-881.	4.6	17
76	A Versatile Silicon-Silicon Nitride Photonics Platform for Enhanced Functionalities and Applications. Applied Sciences (Switzerland), 2019, 9, 255.	2.5	78
77	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
78	Air-core fiber distribution of hybrid vector vortex-polarization entangled states. Advanced Photonics, 2019, 1, 1.	11.8	74
79	Field trial of a three-state quantum key distribution scheme in the Florence metropolitan area. EPJ Quantum Technology, 2019, 6, .	6.3	43
80	Silicon/silicon-rich nitride hybrid-core waveguide for nonlinear optics. Optics Express, 2019, 27, 23775.	3.4	11
81	Integrated Dual-DFB Laser for 408 GHz Carrier Generation Enabling 131 Gbit/s Wireless Transmission over 10.7 Meters. , 2019, , .		22
82	All-optical OFDM demultiplexing with optical partial Fourier transform and coherent sampling. Optics Letters, 2019, 44, 443.	3.3	5
83	High-Order Phase-Matching Enabled Octave-Bandwidth Four-Wave Mixing in AlGaAs-On-Insulator Waveguides. , 2019, , .		5
84	Novel Hybrid Radio-over-Fiber Transmitter for Generation of Flexible Combination of WDM-ROF/WDM Channels. , 2019, , .		3
85	Foundry-Fabricated Dual-DFB PIC Injection-Locked to Optical Frequency Comb for High-Purity THz Generation. , 2019, , .		4
86	Generation of Clustered Frequency Comb via Intermodal Four-Wave Mixing in an Integrated Si3N4 Microresonator. , 2019, , .		0
87	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
88	Spectral Magnification System for All-Optical WDM Grid Manipulation in Dispersion Un-Compensated Transmission. , 2019, , .		0
89	Manipulation and Optical Processing of WDM Signals Using Optical Time Lenses. , 2019, , .		0
90	104 Gbaud OOK and PAM-4 Transmission over 1km of SMF using a Silicon Photonics Transmitter with Quarter-Rate Electronics. , 2019, , .		4

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91	Silicon photonics for quantum information technologies. , 2019, , .		0
92	Towards hybrid entanglement distribution with an orbital angular momentum supporting fiber. , 2019, , .		0
93	Optical frequency comb generation using annealing-free Si3N4 films for front-end monolithic integration with Si photonics. , 2019, , .		0
94	Fiber-based high-dimensional quantum communications. , 2019, , .		0
95	DSP-free single-wavelength 100 Gbps SDM-PON with increased splitting ratio using 10G-class DML. Optics Express, 2019, 27, 33915.	3.4	14
96	Multidimensional quantum entanglement with large-scale integrated optics. Science, 2018, 360, 285-291.	12.6	554
97	0.4 THz Photonic-Wireless Link With 106 Gb/s Single Channel Bitrate. Journal of Lightwave Technology, 2018, 36, 610-616.	4.6	113
98	Scalable WDM phase regeneration in a single phase-sensitive amplifier through optical time lenses. Nature Communications, 2018, 9, 1049.	12.8	26
99	Foreword to the Special Issue on the 43rd European Conference on Optical Communication (ECOC) Tj ETQq1 1 0.784314 rgBT /Over	4.6	0
100	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
101	Optimizing the Achievable Rates of Tricky Channels: A Probabilistic Shaping for OPC Channel Example. , 2018, , .		2
102	Ultra-broadband THz photonic wireless transmission. , 2018, , .		0
103	Free-Space Few-Mode Kramers-Kronig Receiver. , 2018, , .		0
104	Nonlinearity Compensation through Optical Phase Conjugation for Improved Transmission Reach/Rate. , 2018, , .		0
105	Broadband Light Sources Based On Highly-Nonlinear AlGaAs-On-Insulator Waveguide Devices. , 2018, , .		0
106	Record-High Secret Key Rate for Joint Classical and Quantum Transmission Over a 37-Core Fiber. , 2018, , .		13
107	Experimental Characterization of <tex>$10 imes 8$</tex> GBd DP-1024QAM Transmission with 8-bit DACs and Intradyne Detection. , 2018, , .		3
108	Kramersâ€“Kronig Detection with Adaptive Rates for 909.5 Tbit/s Dense SDM and WDM Data Channels. , 2018, , .		7

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109	Fano Resonances for Realizing Compact and Low Energy Consumption Photonic Switches. , 2018, , .		0
110	Ultraâ€Efficient and Broadband Nonlinear AlGaAsâ€onâ€Insulator Chip for Lowâ€Power Optical Signal Processing. Laser and Photonics Reviews, 2018, 12, 1800111.	8.7	78
111	Large-scale Integration of Multidimensional Quantum Photonics Circuits on Silicon. , 2018, , .		1
112	100s Gigabit/s THz Communication. , 2018, , .		6
113	12 mode, WDM, MIMO-free orbital angular momentum transmission. Optics Express, 2018, 26, 20225.	3.4	77
114	Single-source chip-based frequency comb enabling extreme parallel data transmission. Nature Photonics, 2018, 12, 469-473.	31.4	165
115	Compact titanium dioxide waveguides with high nonlinearity at telecommunication wavelengths. Optics Express, 2018, 26, 1055.	3.4	37
116	300 Gb/s IM/DD based SDM-WDM-PON with laserless ONUs. Optics Express, 2018, 26, 7949.	3.4	12
117	Orbital angular momentum modes emission from a silicon photonic integrated device for km-scale data-carrying fiber transmission. Optics Express, 2018, 26, 15471.	3.4	24
118	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
119	Pulse carving using nanocavity-enhanced nonlinear effects in photonic crystal Fano structures. Optics Letters, 2018, 43, 955.	3.3	14
120	Silicon Waveguide with Lateral p-i-n Diode for Nonlinearity Compensation by On-Chip Optical Phase Conjugation. , 2018, , .		8
121	Compact high-efficiency vortex beam emitter based on a silicon photonics micro-ring. Optics Letters, 2018, 43, 1319.	3.3	19
122	Annealing-free Si3N4 frequency combs for monolithic integration with Si photonics. Applied Physics Letters, 2018, 113, .	3.3	46
123	Signal reshaping and noise suppression using photonic crystal Fano structures. Optics Express, 2018, 26, 19596.	3.4	21
124	Characterization of the Impact of Î²2 and Î²3 in Four-Wave Mixing Optical Time Lenses using Input-Output Cross-Correlations. , 2018, , .		0
125	100 Gb/s SDM-PON Using Polarization-Diversity Silicon Micro-Ring Resonator Enhanced DML. Journal of Lightwave Technology, 2018, 36, 5091-5095.	4.6	1
126	SiNOI and AlGaAs-on-SOI nonlinear circuits for continuum generation in Si photonics. , 2018, , .		2

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127	Fiber-based high-dimensional quantum key distribution with twisted photons. , 2018, , .		2
128	128Ã— 2 Gb/s WDM PON System with a Single TDM Time Lens Source using an AlGaAs-On-Insulator Waveguide. , 2018, , .		4
129	Nonlinearity Compensation for Dual-Polarization Signals using Optical Phase Conjugation in a Silicon Waveguide. , 2018, , .		2
130	Experimental Comparison of Probabilistic Shaping with online PMF Optimization and Mid-link OPC. , 2018, , .		5
131	A Deuterium-Passivated Amorphous Silicon Platform for Stable Integrated Nonlinear Optics. , 2018, , .		3
132	Silicon Chip-to-Chip Mode-Division Multiplexing. , 2018, , .		6
133	The Hi-Ring Architecture for Data Center Networks. , 2018, , 93-106.		0
134	Highly Flexible WDM PON System with a Single TDM Time Lens Source Enabling Record 150 km Downstream Reach. , 2018, , .		2
135	FEC-assisted Perturbation-based Nonlinear Compensation for WDM Systems. , 2018, , .		3
136	Signal-to-Idler Conversion Penalty in AlGaAs-on-Insulator Wavelength Converter. , 2018, , .		5
137	Generation and Manipulation of Multi-Photon Entangled States on a Silicon Photonic Device. , 2018, , .		1
138	Indistinguishable Photon-Pairs from Pure and Bright Silicon Micro-ring Resonator Sources. , 2018, , .		0
139	Link-Placement Characterization of Optical Phase Conjugation for Nonlinearity Compensation. , 2018, , .		2
140	Frequency comb generation in crack-free Si-photonics compatible Si3N4 microresonator chip. , 2018, , .		0
141	Impact of Phase-Filtering on Optical Spectral Reshaping with Microring Resonators for Directly-Modulated 4-PAM Signals. , 2018, , .		0
142	Nonlinear Phase Noise Compensation in Experimental WDM Systems With 256QAM. Journal of Lightwave Technology, 2017, 35, 1438-1443.	4.6	18
143	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
144	Supercontinuum comb sources for broadband communications based on AlGaAs-on-insulator. Proceedings of SPIE, 2017, , .	0.8	1

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145	25-Gb/s Transmission Over 2.5-km SSMF by Silicon MRR Enhanced 1.55- $mu ext{m}$ III-V/SOI DML. IEEE Photonics Technology Letters, 2017, 29, 960-963.	2.5	6
146	Wavelength conversion of QAM signals in a low loss CMOS compatible spiral waveguide. APL Photonics, 2017, 2, 046105.	5.7	17
147	120 Gb/s Multi-Channel THz Wireless Transmission and THz Receiver Performance Analysis. IEEE Photonics Technology Letters, 2017, 29, 310-313.	2.5	53
148	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
149	Space division multiplexing chip-to-chip quantum key distribution. Scientific Reports, 2017, 7, 12459.	3.3	32
150	Efficient electro-optic modulation in low-loss graphene-plasmonic slot waveguides. Nanoscale, 2017, 9, 15576-15581.	5.6	94
151	High-dimensional quantum key distribution based on multicore fiber using silicon photonic integrated circuits. Npj Quantum Information, 2017, 3, .	6.7	182
152	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
153	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
154	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
155	Characterization of Spectral Magnification based on Four-Wave Mixing in Nonlinear Fibre for Advanced Modulation Formats. , 2017, , .		1
156	Impact of Signal-Conjugate Wavelength Shift on Optical Phase Conjugation-based Transmission of QAM Signals. , 2017, , .		6
157	Adaptive Rates of High-Spectral-Efficiency WDM/SDM Channels Using PDM-1024-QAM Probabilistic Shaping. , 2017, , .		0
158	Two-Dimensional Quantum Key Distribution (QKD) Protocol for Increased Key Rate Fiber-Based Quantum Communications. , 2017, , .		2
159	1.5-Î¼m Directly modulated transmission over 66 km of SSMF with an integrated hybrid III-V/SOI DFB laser. , 2017, , .		0
160	Ultra-Broadband Optical Signal Processing using AlGaAs-OI Devices. , 2017, , .		0
161	Optimization and characterization of highly nonlinear fiber for broadband optical time lens applications. Optics Express, 2017, 25, 12566.	3.4	6
162	25-Gb/s transmission over 2.5-km SSMF by silicon MRR enhanced 1.55-Î¼m III-V/SOI DML. , 2017, , .		0

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163	Optical spectral reshaping for directly modulated 4-pulse amplitude modulation signals. , 2017, , .		0
164	12 Mode, MIMO-Free OAM Transmission. , 2017, , .		8
165	Regeneration of Phase Unlocked Serial Multiplexed DPSK Signals in a Single Phase Sensitive Amplifier. , 2017, , .		5
166	Single Channel 106 Gbit/s 16QAM Wireless Transmission in the 0.4 THz Band. , 2017, , .		18
167	All-optical Signal Processing of OTDM and OFDM Signals based on Time-domain Optical Fourier Transformation. , 2017, , .		0
168	10 GHz Frequency Comb Spectral Broadening in AlGaAs-On-Insulator Nano-Waveguide with Ultra-Low Pump Power. , 2017, , .		1
169	4-PAM Dispersion-Uncompensated Transmission with Micro-Ring Resonator Enhanced 1.55-Âµm DML. , 2017, , .		2
170	Bit-rate-transparent optical RZ-to-NRZ format conversion based on linear spectral phase filtering. , 2017, , .		0
171	Characterization of Chirped Pump Four-Wave Mixing in Nonlinear Fibers using only Continuous-Wave-Lasers. , 2017, , .		0
172	Directly Modulated and ER Enhanced Hybrid III-V/SOI DFB Laser Operating up to 20 Gb/s for Extended Reach Applications in PONs. , 2017, , .		1
173	An ultra-efficient nonlinear planar integrated platform for optical signal processing and generation. , 2017, , .		1
174	Photonic crystal Fano resonances for realizing optical switches, lasers, and non-reciprocal elements. , 2017, , .		1
175	Supercontinuum Generation in AlGaAs-On-Insulator Nano-Waveguide at Telecom Wavelengths. , 2016, , .		3
176	THz photonic wireless links with 16-QAM modulation in the 375-450 GHz band. Optics Express, 2016, 24, 23777.	3.4	44
177	Detailed characterization of CW- and pulsed-pump four-wave mixing in highly nonlinear fibers. Optics Letters, 2016, 41, 4887.	3.3	7
178	Phase-sensitive four-wave mixing in AlGaAs-on-insulator nano-waveguides. , 2016, , .		2
179	16-QAM field-quadrature decomposition using polarization-assisted phase sensitive amplification. , 2016, , .		4
180	Two-dimensional distributed-phase-reference protocol for quantum key distribution. Scientific Reports, 2016, 6, 36756.	3.3	30

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181	160 Gbit/s photonics wireless transmission in the 300-500 GHz band. APL Photonics, 2016, 1, .	5.7	110
182	Ultrahigh bandwidth signal processing. Proceedings of SPIE, 2016, , .	0.8	0
183	Nonlinear Optics in AlGaAs on Insulator. , 2016, , .		0
184	Reconfigurable SDM Switching Using Novel Silicon Photonic Integrated Circuit. Scientific Reports, 2016, 6, 39058.	3.3	38
185	Exploring THz band for high speed wireless communications. , 2016, , .		9
186	Advanced optical signal processing of broadband parallel data signals. , 2016, , .		0
187	Constellation Shaping for WDM Systems Using 256QAM/1024QAM With Probabilistic Optimization. Journal of Lightwave Technology, 2016, 34, 5146-5156.	4.6	105
188	Linear all-optical signal processing using silicon micro-ring resonators. Frontiers of Optoelectronics, 2016, 9, 362-376.	3.7	5
189	THz Wireless Transmission Systems Based on Photonic Generation of Highly Pure Beat-Notes. IEEE Photonics Journal, 2016, 8, 1-8.	2.0	20
190	Switching dynamics in InP photonic-crystal nanocavity. Frontiers of Optoelectronics, 2016, 9, 395-398.	3.7	0
191	400-GHz Wireless Transmission of 60-Gb/s Nyquist-QPSK Signals Using UTC-PD and Heterodyne Mixer. IEEE Transactions on Terahertz Science and Technology, 2016, 6, 765-770.	3.1	49
192	The Hi-Ring architecture for datacentre networks. , 2016, , .		0
193	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
194	Combined Optical and Electrical Spectrum Shaping for High-Baud-Rate Nyquist-WDM Transceivers. IEEE Photonics Journal, 2016, 8, 1-11.	2.0	10
195	A Novel Phase-Locking-Free Phase Sensitive Amplifier-Based Regenerator. Journal of Lightwave Technology, 2016, 34, 643-652.	4.6	10
196	640â€‰â€‰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
197	All-Optical Switching Improvement Using Photonic-Crystal Fano Structures. IEEE Photonics Journal, 2016, 8, 1-8.	2.0	14
198	On-chip mode division multiplexing technologies. , 2016, , .		0

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199	Experimental Demonstration of Multidimensional Switching Nodes for All-Optical Data Center Networks. Journal of Lightwave Technology, 2016, 34, 1837-1843.	4.6	24
200	Linear and nonlinear characterization of silicon/silicon-rich nitride hybrid waveguides. , 2016, , .		1
201	Single-Source AlGaAs Frequency Comb Transmitter for 661 Tbit/s Data Transmission in a 30-core Fiber. , 2016, , .		15
202	Experimental Demonstration of 7 Tb/s Switching Using Novel Silicon Photonic Integrated Circuit. , 2016, , .		3
203	Bidirectional 120 Gbps SDM-WDM-PON with Colourless ONU using 10 Gbps Optical Components without DSP. , 2016, , .		7
204	Time Lens based Optical Fourier Transformation for Advanced Processing of Spectrally-efficient OFDM and N-WDM Signals. , 2016, , .		2
205	Detailed Characterization of Continuous-Wave and Pulsed-Pump Four-Wave Mixing in Nonlinear Fibers. , 2016, , .		0
206	Photonic crystal Fano structures and their application to ultrafast switching and lasers. , 2016, , .		1
207	Advanced Optical Signal Processing using Time Lens based Optical Fourier Transformation. , 2016, , .		0
208	Low-penalty up to 16-QAM wavelength conversion in a low loss CMOS compatible spiral waveguide. , 2016, , .		1
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