

Christophe Peucheret

List of Publications by Year in descending order

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185
papers

4,298
citations

117625
34
h-index

118850
62
g-index

185
all docs

185
docs citations

185
times ranked

3313
citing authors

#	ARTICLE	IF	CITATIONS
1	Strained silicon as a new electro-optic material. Nature, 2006, 441, 199-202.	27.8	599
2	On-chip two-mode division multiplexing using tapered directional coupler-based mode multiplexer and demultiplexer. Optics Express, 2013, 21, 10376.	3.4	367
3	Fully etched apodized grating coupler on the SOI platform with ~ 0.58 dB coupling efficiency. Optics Letters, 2014, 39, 5348.	3.3	185
4	Ultrahigh-efficiency apodized grating coupler using fully etched photonic crystals. Optics Letters, 2013, 38, 2732.	3.3	147
5	Demonstration of 51 Tbit/s data capacity on a single-wavelength channel. Optics Express, 2010, 18, 1438.	3.4	134
6	Fabrication tolerant polarization splitter and rotator based on a tapered directional coupler. Optics Express, 2012, 20, 20021.	3.4	119
7	Bandwidth and wavelength-tunable optical bandpass filter based on silicon microring-MZI structure. Optics Express, 2011, 19, 6462.	3.4	108
8	Fano resonance control in a photonic crystal structure and its application to ultrafast switching. Applied Physics Letters, 2014, 105, .	3.3	107
9	Fiber optical parametric amplifiers in optical communication systems. Laser and Photonics Reviews, 2015, 9, 50-74.	8.7	104
10	Wideband polarization splitter and rotator with large fabrication tolerance and simple fabrication process. Optics Letters, 2013, 38, 1227.	3.3	100
11	Phase regeneration of DPSK signals in a silicon waveguide with reverse-biased p-i-n junction. Optics Express, 2014, 22, 5029.	3.4	75
12	Ultra-high-speed wavelength conversion in a silicon photonic chip. Optics Express, 2011, 19, 19886.	3.4	72
13	Transmission and transparent wavelength conversion of an optically labeled signal using ASK/DPSK orthogonal modulation. IEEE Photonics Technology Letters, 2003, 15, 760-762.	2.5	71
14	Direct experimental and numerical determination of extremely high group indices in photonic crystal waveguides. Optics Express, 2005, 13, 7861.	3.4	65
15	Wavelength conversion of a 40-Gb/s RZ-DPSK signal using four-wave mixing in a dispersion-flattened highly nonlinear photonic crystal fiber. IEEE Photonics Technology Letters, 2005, 17, 1908-1910.	2.5	65
16	Silicon Photonic Integrated Circuit Mode Multiplexer. IEEE Photonics Technology Letters, 2013, 25, 648-651.	2.5	62
17	Mode-selective wavelength conversion based on four-wave mixing in a multimode silicon waveguide. Optics Express, 2014, 22, 127.	3.4	62
18	On-chip grating coupler array on the SOI platform for fan-in/fan-out of MCFs with low insertion loss and crosstalk. Optics Express, 2015, 23, 3292.	3.4	55

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19	Amplitude Regeneration of RZ-DPSK Signals in Single-Pump Fiber-Optic Parametric Amplifiers. IEEE Photonics Technology Letters, 2009, 21, 872-874.	2.5	53
20	Kerr Nonlinearity Mitigation: Mid-Link Spectral Inversion Versus Digital Backpropagation in 5 Å—28-GBd PDM 16-QAM Signal Transmission. Journal of Lightwave Technology, 2015, 33, 1821-1827.	4.6	52
21	All-optical wavelength conversion of short pulses and NRZ signals based on a nonlinear optical loop mirror. Journal of Lightwave Technology, 2000, 18, 1007-1017.	4.6	51
22	An optical IM/FSK coding technique for the implementation of a label-controlled arrayed waveguide packet router. Journal of Lightwave Technology, 2003, 21, 2617-2628.	4.6	51
23	Switching characteristics of an InP photonic crystal nanocavity: Experiment and theory. Optics Express, 2013, 21, 31047.	3.4	50
24	Optimization of pre- and post-dispersion compensation schemes for 10-Gbits/s NRZ links using standard and dispersion compensating fibers. IEEE Photonics Technology Letters, 2000, 12, 992-994.	2.5	48
25	Digital Coherent Receiver for Phase-Modulated Radio-Over-Fiber Optical Links. IEEE Photonics Technology Letters, 2009, 21, 155-157.	2.5	48
26	A high-speed demultiplexer based on a nonlinear optical loop mirror with a photonic crystal fiber. IEEE Photonics Technology Letters, 2003, 15, 1147-1149.	2.5	41
27	Multi-channel WDM RZ-to-NRZ format conversion at 50 Gbit/s based on single silicon microring resonator. Optics Express, 2010, 18, 21121.	3.4	41
28	Experimental demonstration of cascaded transmission and all-optical label swapping of orthogonal IM-FSK labelled signal. Electronics Letters, 2003, 39, 676.	1.0	39
29	Multi-Channel 40 Gbit/s NRZ-DPSK Demodulation Using a Single Silicon Microring Resonator. Journal of Lightwave Technology, 2011, 29, 677-684.	4.6	37
30	Kerr nonlinearity mitigation in 5 Å— 28-GBd PDM 16-QAM signal transmission over a dispersion-uncompensated link with backward-pumped distributed Raman amplification. Optics Express, 2014, 22, 27381.	3.4	37
31	An optical FSK transmitter based on an integrated DFB laser-EA modulator and its application in optical labeling. IEEE Photonics Technology Letters, 2003, 15, 984-986.	2.5	36
32	10 GHz pulse source for 640 Gbit/s OTDM based on phase modulator and self-phase modulation. Optics Express, 2011, 19, B343.	3.4	36
33	QPSK-to-2 Å—BPSK wavelength and modulation format conversion through phase-sensitive four-wave mixing in a highly nonlinear optical fiber. Optics Express, 2013, 21, 28743.	3.4	35
34	All-optical 10 Gb/s AND logic gate in a silicon microring resonator. Optics Express, 2013, 21, 25772.	3.4	34
35	Integrated programmable photonic filter on the silicon-on-insulator platform. Optics Express, 2014, 22, 31993.	3.4	34
36	Transmission and label encoding-erasure of orthogonally labelled signal using 40 Å...Gbit Ås RZ-DPSK payload and 2.5 Å...Gbit Ås IM label. Electronics Letters, 2003, 39, 1335.	1.0	33

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37	Simultaneous QPSK-to- BPSK Wavelength and Modulation Format Conversion in PPLN. IEEE Photonics Technology Letters, 2014, 26, 1207-1210.	2.5	32
38	40-Gb/s all-optical wavelength conversion based on a nonlinear optical loop mirror. Journal of Lightwave Technology, 2000, 18, 1001-1006.	4.6	28
39	40-Gbit/s transmission over photonic crystal fibre using mid-span spectral inversion in highly nonlinear photonic crystal fibre. Electronics Letters, 2003, 39, 919.	1.0	28
40	Extension of all-optical network-transparent domains based on normalized transmission sections. Journal of Lightwave Technology, 2004, 22, 1439-1453.	4.6	28
41	Performance of Manchester-coded payload in an optical FSK labeling scheme. IEEE Photonics Technology Letters, 2003, 15, 1174-1176.	2.5	26
42	Performance of a SOA-MZI wavelength converter for label swapping using combined FSK/IM modulation format. Optical Fiber Technology, 2004, 10, 31-49.	2.7	26
43	Blind Transmitter IQ Imbalance Compensation in M-QAM Optical Coherent Systems. Journal of Optical Communications and Networking, 2017, 9, D42.	4.8	26
44	Polarization insensitive wavelength conversion in a dispersion-engineered silicon waveguide. Optics Express, 2012, 20, 16374.	3.4	25
45	Simultaneous Optical Label Erasure and Insertion in a Single Wavelength Conversion Stage of Combined FSK/IM Modulated Signals. IEEE Photonics Technology Letters, 2004, 16, 2144-2146.	2.5	24
46	Generation of a 640 Gbit/s NRZ OTDM signal using a silicon microring resonator. Optics Express, 2011, 19, 6471.	3.4	22
47	10-Gbit/s transmission over air-guiding photonic bandgap fibre at 1550-nm. Electronics Letters, 2005, 41, 27.	1.0	21
48	Simultaneous RZ-OOK to NRZ-OOK and RZ-DPSK to NRZ-DPSK format conversion in a silicon microring resonator. Optics Express, 2012, 20, 27263.	3.4	20
49	Two-mode multiplexing at 2 Å— 107 Gbps over a 7-cell hollow-core photonic bandgap fiber. Optics Express, 2012, 20, 12449.	3.4	20
50	Advanced modulation formats in 40 Gbit/s optical communication systems with 80 km fibre spans. Optics Communications, 2003, 225, 79-87.	2.1	19
51	15-THz Tunable Wavelength Conversion of Picosecond Pulses in a Silicon Waveguide. IEEE Photonics Technology Letters, 2011, 23, 1409-1411.	2.5	19
52	Multichannel nonlinear distortion compensation using optical phase conjugation in a silicon nanowire. Optics Express, 2015, 23, 3640.	3.4	19
53	10-GHz return-to-zero pulse source tunable in wavelength with a single- or multiwavelength output based on four-wave mixing in a newly developed highly nonlinear fiber. IEEE Photonics Technology Letters, 2001, 13, 70-72.	2.5	18
54	Reduced driving voltage optical duobinary transmitter and its impact on transmission performance over standard single-mode fiber. IEEE Photonics Technology Letters, 2002, 14, 843-845.	2.5	18

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55	Wavelength Conversion of a 9.35-Gb/s RZ OOK Signal in an InP Photonic Crystal Nanocavity. IEEE Photonics Technology Letters, 2014, 26, 257-260.	2.5	18
56	10-Gbit/s Manchester-encoded FSK-labelled optical signal transmission link. Electronics Letters, 2003, 39, 1193.	1.0	17
57	Transmission over 5.6-km large effective area and low-loss (1.7-dB·km) photonic crystal fibre. Electronics Letters, 2003, 39, 796.	1.0	17
58	Demonstration of Broadcast, Transmission, and Wavelength Conversion Functionalities Using Photonic Crystal Fibers. IEEE Photonics Technology Letters, 2006, 18, 2290-2292.	2.5	17
59	All-optical Network Coding for DPSK signals. , 2013, , .		17
60	Monolithically integrated reflective SOA-EA carrier re-modulator for broadband access nodes. Optics Express, 2006, 14, 8060.	3.4	16
61	Improve the performance of orthogonal ASK/DPSK optical label switching by DC-balanced line encoding. Journal of Lightwave Technology, 2006, 24, 1082-1092.	4.6	16
62	Converged Wireless and Wireline Access System Based on Optical Phase Modulation for Both Radio-Over-Fiber and Baseband Signals. IEEE Photonics Technology Letters, 2008, 20, 1814-1816.	2.5	16
63	Towards Polarization Diversity on the SOI Platform With Simple Fabrication Process. IEEE Photonics Technology Letters, 2011, 23, 1808-1810.	2.5	16
64	Nonlinear switching dynamics in a photonic-crystal nanocavity. Applied Physics Letters, 2014, 105, .	3.3	16
65	Kalman Filtering for Carrier Phase Recovery in Optical Offset-QAM Nyquist WDM Systems. IEEE Photonics Technology Letters, 2017, 29, 1019-1022.	2.5	16
66	Measurement of small dispersion values in optical components. Electronics Letters, 1999, 35, 409.	1.0	15
67	DAC-less PAM-4 generation in the O-band using a silicon Mach-Zehnder modulator. Optics Express, 2019, 27, 9740.	3.4	15
68	Label-Controlled Optical Packet Routing—Technologies and Applications. IEEE Journal of Selected Topics in Quantum Electronics, 2007, 13, 1540-1550.	2.9	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	Two-pump fiber optical parametric amplifiers: Beyond the 6-wave model. Optical Fiber Technology, 2018, 45, 223-230.	2.7	14
71	Experimental Demonstration of the Tradeoff Between Chromatic Dispersion and Phase Noise Compensation in Optical FBMC/OQAM Communication Systems. Journal of Lightwave Technology, 2019, 37, 4340-4348.	4.6	14
72	Asymmetric gain-saturated spectrum in fiber optical parametric amplifiers. Optics Express, 2012, 20, 15530.	3.4	13

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73	Polarization diversity DPSK demodulator on the silicon-on-insulator platform with simple fabrication. Optics Express, 2013, 21, 7828.	3.4	13
74	Dynamic characterization and amplification of sub-picosecond pulses in fiber optical parametric chirped pulse amplifiers. Optics Express, 2013, 21, 26044.	3.4	13
75	40 Gbit/s wavelength conversion in cascade of SOA and NOLM and demonstration of extinction ratio improvement. Electronics Letters, 2000, 36, 963.	1.0	13
76	Optimization of Pumping Schemes for 160-Gb/s Single-Channel Raman Amplified Systems. IEEE Photonics Technology Letters, 2004, 16, 329-331.	2.5	12
77	All-optical flip-flop operation based on asymmetric active-multimode interferometer bi-stable laser diodes. Optics Express, 2011, 19, B119.	3.4	12
78	Direct UV written Michelson interferometer for RZ signal generation using phase-to-intensity modulation conversion. IEEE Photonics Technology Letters, 2005, 17, 1674-1676.	2.5	11
79	85 km Long Reach PON System Using a Reflective SOA-EA Modulator and Distributed Raman Fiber Amplification. , 2006, , .		11
80	Polarization-insensitive wavelength conversion of 40 Gb/s NRZ-DPSK signals in a silicon polarization diversity circuit. Optics Express, 2014, 22, 12467.	3.4	11
81	Phase quadrature discrimination based on three-pump four-wave mixing in nonlinear optical fibers. Optics Express, 2016, 24, 26930.	3.4	11
82	Aluminum and nickel contact metallizations on thin film diamond. Journal of Applied Physics, 1995, 78, 2877-2879.	2.5	10
83	On-chip mode multiplexer based on a single grating coupler. , 2012, , .		10
84	Design and performance evaluation of an OPC device using a dual-pump polarization-independent FOPA. , 2014, , .		10
85	8 x 40 Gb/s 55-km WDM transmission over conventional fiber using a new RZ optical source. IEEE Photonics Technology Letters, 2000, 12, 912-914.	2.5	9
86	Simple and efficient methods for the accurate evaluation of patterning effects in ultrafast photonic switches. Optics Express, 2011, 19, 155.	3.4	8
87	Ultra-wide band signal generation using a coupling-tunable silicon microring resonator. Optics Express, 2014, 22, 6078.	3.4	8
88	QPSK Modulation in the O-Band Using a Single Dual-Drive Mach-Zehnder Silicon Modulator. Journal of Lightwave Technology, 2018, 36, 3935-3940.	4.6	8
89	Chirped return-to-zero source used in 8 Å— 10 Gbit/s transmission over 2000 km of standard singlemode fibre. Electronics Letters, 2000, 36, 1399.	1.0	7
90	XPM-Induced Degradation of Multilevel Phase Modulated Channel Caused by Neighboring NRZ Modulated Channels. , 2008, , .		7

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91	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
92	Wavelength Conversion of DP-QPSK Signals in a Silicon Polarization Diversity Circuit. IEEE Photonics Technology Letters, 2015, 27, 411-414.	2.5	7
93	Blind Joint Polarization Demultiplexing and IQ Imbalance Compensation for M -QAM Coherent Optical Communications. Journal of Lightwave Technology, 2020, 38, 4213-4220.	4.6	7
94	Transmission and optical label swapping for 4/spl times/40 gb/s WDM signals deploying orthogonal ASK/DPSK labeling. IEEE Photonics Technology Letters, 2005, 17, 1325-1327.	2.5	6
95	Joint simple blind IQ imbalance compensation and adaptive equalization for 16-QAM optical communications. , 2015, , .		6
96	25-Gb/s Transmission Over 2.5-km SSMF by Silicon MRR Enhanced 1.55- μm III-V/SOI DML. IEEE Photonics Technology Letters, 2017, 29, 960-963.	2.5	6
97	Generation and transmission of 160-Gbit/s polarisation multiplexed RZ-DBPSK-ASK signal. Electronics Letters, 2005, 41, 433.	1.0	5
98	Linear all-optical signal processing using silicon micro-ring resonators. Frontiers of Optoelectronics, 2016, 9, 362-376.	3.7	5
99	Blind adaptive transmitter IQ imbalance compensation in M-QAM optical coherent systems. , 2016, , .		5
100	A compact low dispersion fibre Bragg grating with high detuning tolerance for advanced modulation formats. Optics Communications, 2005, 247, 93-100.	2.1	4
101	Power consumption comparison between point-to-point WDM and OTDM systems. , 2010, , .		4
102	Experimental investigation of saturation effect on pump-to-signal intensity modulation transfer in single-pump phase-insensitive fiber optic parametric amplifiers. Journal of the Optical Society of America B: Optical Physics, 2013, 30, 884.	2.1	4
103	Fiber-Optical Parametric Amplification of Sub-Picosecond Pulses for High-Speed Optical Communications. Fiber and Integrated Optics, 2015, 34, 23-37.	2.5	4
104	Silicon-on-Insulator RF Filter Based on Photonic Crystal Functions for Channel Equalization. IEEE Photonics Technology Letters, 2016, 28, 2756-2759.	2.5	4
105	Cascadability of Silicon Microring Resonators for 40-Gbit/s OOK and DPSK Optical Signals. , 2012, , .		4
106	Dynamic range enhancement and amplitude regeneration in single pump fibre optic parametric amplifiers using DPSK modulation. , 2008, , .		3
107	Modulation speed enhancement of directly modulated lasers using a micro-ring resonator. , 2012, , .		3
108	Mode division multiplexing exploring hollow-core photonic bandgap fibers. , 2013, , .		3

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109	Combining DPSK and duobinary for the downstream in 40-Gb/s long-reach WDM-PONs. Optical Fiber Technology, 2013, 19, 179-184.	2.7	3
110	Ultra-high-efficiency apodized grating coupler using a fully etched photonic crystal. , 2013, , .		3
111	Phase-Preserving Power Limiting Function Using InP on Sol Photonic Crystal Nanocavity. IEEE Photonics Technology Letters, 2014, 26, 1215-1218.	2.5	3
112	IQ imbalance compensation based on maximum SNR estimation in coherent QPSK systems. , 2014, , .		3
113	Comparison of wavelength conversion efficiency between silicon waveguide and microring resonator. Frontiers of Optoelectronics, 2016, 9, 390-394.	3.7	3
114	Impact of ADC parameters on linear optical sampling systems. Optics Communications, 2017, 402, 362-367.	2.1	3
115	Mitigation of mode partition noise in quantum-dash Fabry-Perot mode-locked lasers using Manchester encoding and balanced detection. Optics Express, 2017, 25, 16300.	3.4	3
116	Experimental Observation of Non-Linear Mode Conversion in Few-Mode Fiber. , 2015, , .		3
117	Impact of Gain Saturation on the Parametric Amplification of 16-QAM Signals. , 2012, , .		3
118	Demodulation of DPSK signals up to 40 gb/s using a highly birefringent photonic bandgap fiber. IEEE Photonics Technology Letters, 2006, 18, 1392-1394.	2.5	2
119	All-optical clock recovery of NRZ-DPSK signals using optical resonator-type filters. , 2009, , .		2
120	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
121	Transmission property of directly modulated signals enhanced by a micro-ring resonator. , 2012, , .		2
122	Gain optimization in fiber optical parametric amplifiers by combining standard and high-SBS threshold highly nonlinear fibers. , 2012, , .		2
123	Ultra-fast low energy switching using an InP photonic crystal H0 nanocavity. , 2013, , .		2
124	All-optical three-input logic minterms generation using semiconductor optical amplifier-based Sagnac interferometer. Electronics Letters, 2013, 49, 1467-1468.	1.0	2
125	On-chip grating coupler array on the SOI platform for fan-in/fan-out of multi-core fibers with low insertion loss and crosstalk. , 2014, , .		2
126	Signal Processing for On-Chip Space Division Multiplexing. , 2015, , .		2

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127	Wide-band Polarization Splitter and Rotator with Large Fabrication Tolerance and Simple Fabrication Process. , 2013, , .		2
128	Error-free Dispersion-uncompensated Transmission at 20 Gb/s over SSMF using a Hybrid III-V/SOI DML with MRR Filtering. , 2016, , .		2
129	Directly-modulated IM/DD OFDM Transmission over 100-km SSMF using SSB Filtering with Two Silicon Micro-ring Resonators. , 2017, , .		2
130	Wavelength shift keying modulation up to 35 Gb/s with wavelength tone reuse to multiplex two 40 Gb/s DPSK signals. Optical Fiber Technology, 2007, 13, 13-17.	2.7	1
131	DSP based Coherent Receiver for Phase-Modulated Radio-over-Fiber Optical Links. , 2008, , .		1
132	Multi-channel 40 Gbit/s NRZ-DPSK demodulation using a single silicon microring resonator. , 2010, , .		1
133	Experimental validation of efficient methods for the prediction of patterning effects in SOA-based optical switches. , 2010, , .		1
134	Saturation effect on pump-to-signal intensity modulation transfer in single-pump phase-insensitive fibre optic parametric amplifiers. , 2011, , .		1
135	Demultiplexing of OTDM-DPSK signals based on a single semiconductor optical amplifier and optical filtering. Optics Letters, 2011, 36, 1560.	3.3	1
136	QPSK phase regeneration in saturated degenerate dual-pump phase sensitive amplifiers. , 2011, , .		1
137	41.6 Gb/s RZ-DPSK to NRZ-DPSK format conversion in a microring resonator. , 2012, , .		1
138	Linear signal processing using silicon micro-ring resonators. , 2012, , .		1
139	A comparison of nonlinear media for parametric all-optical signal processing. , 2013, , .		1
140	Fully-etched apodized fiber-to-chip grating coupler on the SOI platform with −0.78 dB coupling efficiency using photonic crystals and bonded Al mirror. , 2014, , .		1
141	All-optical signal processing using silicon devices. , 2014, , .		1
142	Ultra-low coupling loss fully-etched apodized grating coupler with bonded metal mirror. , 2014, , .		1
143	Low-power 10 Gbit/s RZ-OOK all-optical modulation using a novel photonic-crystal Fano switch. , 2014, , .		1
144	Parametric Optical Signal Processing in Silicon Waveguides with Reverse-Biased p-i-n Junctions. , 2014, , .		1

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145	All-optical signal processing using InP photonic-crystal nanocavity switches. , 2014, , .		1
146	New metric for IQ imbalance compensation in optical QPSK coherent systems. Photonic Network Communications, 2018, 36, 326-337.	2.7	1
147	Frequency Drift Reduction in a Four-Laser Array for TWDM PON Applications. IEEE Photonics Technology Letters, 2018, 30, 1345-1348.	2.5	1
148	SOA-based OTDM-DPSK Demultiplexing Assisted by Offset-Filtering. , 2011, , .		1
149	Parametric Amplification of a 640 Gbit/s RZ-DPSK Signal. , 2013, , .		1
150	Experimental Demonstration of Phase Sensitive Parametric Processes in a Nano-Engineered Silicon Waveguide. , 2013, , .		1
151	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
152	Frequency Chirp Characterization of Silicon Ring Resonator Modulators. IEEE Photonics Technology Letters, 2022, 34, 653-656.	2.5	1
153	System Optimisation of Dispersion Maps using New Cabled Dispersion Compensating Fibers. Journal of Optical Communications, 2004, 25, .	4.7	0
154	Comparison of Practical Implementation Limitations for Different Electronic Pre-Distortion Transmitter Structures. , 2006, , .		0
155	Amplitude Equalization of 40 Gb/s RZ-DPSK Signals Using Saturation of Four-Wave Mixing in a Highly Nonlinear Fiber. , 2006, , .		0
156	Gain characteristics of a saturated fiber optic parametric amplifier. , 2008, , .		0
157	Combined transmission of baseband NRZ-DQPSK and phase modulated radio-over-fibre. , 2008, , .		0
158	Transmission of 32.1 Gbit/s RZ-D8PSK over 160 km using Dispersion Compensation by Optical Phase Conjugation. , 2009, , .		0
159	Milestone system advances. , 2010, , .		0
160	Experimental investigation of pump-to-signal noise transfer in one-pump phase insensitive fibre optic parametric amplifiers. , 2011, , .		0
161	Ultra-wide band signal generation using a silicon micro-ring resonator. , 2011, , .		0
162	Extinction ratio and gain optimization of dual-pump degenerate-idler phase sensitive amplifiers. , 2011, , .		0

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163	Synthesis of flat-top gain response in fiber phase sensitive amplifiers with improved phase noise regeneration tolerance. , 2012, , .		0
164	Pulse Distortion in Saturated Fiber Optical Parametric Chirped Pulse Amplification. , 2012, , .		0
165	Simultaneous polarization demultiplexing and demodulation of PolMux-DPSK signals in a silicon chip. , 2013, , .		0
166	Global optimization of silicon nanowires for efficient parametric processes. , 2013, , .		0
167	Orthogonal Phase Quadratures Conversion to Different Wavelengths Through Phase-Sensitive Four Wave Mixing in an Highly Nonlinear Fiber. , 2013, , .		0
168	Wavelength conversion of 80 Gb/s RZ-DPSK Pol-MUX signals in a silicon nanowire. , 2014, , .		0
169	Wavelength conversion of a 128 Gbit/s DP-QPSK signal in a silicon polarization diversity circuit. , 2014, , .		0
170	Ultra-Fast All-Optical Self-Aware Protection Switching Based on a Bistable Laser Diode. , 2014, , .		0
171	Silicon-on-insulator photonic crystal multi-tap microwave photonics filter. , 2016, , .		0
172	On-chip mode division multiplexing technologies. , 2016, , .		0
173	Optical spectral reshaping for directly modulated 4-pulse amplitude modulation signals. , 2017, , .		0
174	Silicon Modulators for the Generation of Advanced Modulation Formats. , 2018, , .		0
175	Mode-Independent Phase-Sensitive Frequency Conversion in a Few-Mode Elliptical-Core Fiber. , 2018, , .		0
176	Polarization Insensitive One-to-Six WDM Multicasting in a Silicon Nanowire. , 2012, , .		0
177	Wavelength Conversion with Large Signal-Idler Separation using Discrete Four-Wave Mixing in a Silicon Nanowire. , 2012, , .		0
178	Polarization Diversity DPSK Demodulator on the Silicon-on-Insulator Platform with Simple Fabrication. , 2013, , .		0
179	Dynamic Characterization of Fiber Optical Chirped Pulse Amplification for Sub-ps Pulses. , 2013, , .		0
180	Fiber Optical Parametric Chirped Pulse Amplification of Sub-Picosecond Pulses. , 2013, , .		0

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181	Saturation broadening effect in an InP photonic-crystal nanocavity switch. , 2014, , .		0
182	Photonic Crystal SOI RF Filter for Channel Equalization. , 2016, , .		0
183	Bi-harmonic Decomposition-based Maximum Loglikelihood Estimator for Carrier Phase Estimation of Coherent Optical M-QAM. , 2016, , .		0
184	Advanced modulation format using silicon modulators in the O-band. , 2018, , .		0
185	Generation of O-band PAM-4 signal using a silicon modulator driven by two binary sequences. , 2019, , .		0