

Giampiero Contestabile

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1774523/publications.pdf>

Version: 2024-02-01

194
papers

2,635
citations

201674

27
h-index

223800

46
g-index

194
all docs

194
docs citations

194
times ranked

2071
citing authors

#	ARTICLE	IF	CITATIONS
1	Graphene-silicon phase modulators with gigahertz bandwidth. <i>Nature Photonics</i> , 2018, 12, 40-44.	31.4	261
2	1.28 terabit/s (32x40 Gbit/s) wdm transmission system for free space optical communications. <i>IEEE Journal on Selected Areas in Communications</i> , 2009, 27, 1639-1645.	14.0	210
3	Roadmap on all-optical processing. <i>Journal of Optics (United Kingdom)</i> , 2019, 21, 063001.	2.2	128
4	Multiple Wavelength Conversion for WDM Multicasting by FWM in an SOA. <i>IEEE Photonics Technology Letters</i> , 2004, 16, 1775-1777.	2.5	127
5	InP monolithically integrated coherent transmitter. <i>Optics Express</i> , 2015, 23, 10741.	3.4	82
6	Double-stage cross-gain modulation in SOAs: an effective technique for WDM multicasting. <i>IEEE Photonics Technology Letters</i> , 2006, 18, 181-183.	2.5	60
7	1.28-Tb/s (32 \times 40 Gb/s) Free-Space Optical WDM Transmission System. <i>IEEE Photonics Technology Letters</i> , 2009, 21, 1121-1123.	2.5	60
8	Single and multicast wavelength conversion at 40 Gb/s by means of fast nonlinear polarization switching in an SOA. <i>IEEE Photonics Technology Letters</i> , 2005, 17, 2652-2654.	2.5	55
9	Cross-Gain Compression in Semiconductor Optical Amplifiers. <i>Journal of Lightwave Technology</i> , 2007, 25, 915-921.	4.6	54
10	Full daylight quantum-key-distribution at 1550 nm enabled by integrated silicon photonics. <i>Npj Quantum Information</i> , 2021, 7, .	6.7	54
11	Cross-Gain Modulation in Quantum-Dot SOA at 1550 nm. <i>IEEE Journal of Quantum Electronics</i> , 2010, 46, 1696-1703.	1.9	52
12	40-GHz All-Optical Clock Extraction Using a Semiconductor-Assisted Fabry-Pérot Filter. <i>IEEE Photonics Technology Letters</i> , 2004, 16, 2523-2525.	2.5	49
13	Efficiency flattening and equalization of frequency up- and down-conversion using four-wave mixing in semiconductor optical amplifiers. <i>IEEE Photonics Technology Letters</i> , 1998, 10, 1398-1400.	2.5	47
14	Polarization and wavelength-independent time-division demultiplexing based on copolarized-pumps FWM in an SOA. <i>IEEE Photonics Technology Letters</i> , 2005, 17, 633-635.	2.5	43
15	WDM-DPSK detection by means of frequency-periodic Gaussian filtering. <i>Electronics Letters</i> , 2006, 42, 112.	1.0	43
16	A Bidirectional WDM/TDM-PON Using DPSK Downstream Signals and a Narrowband AWG. <i>IEEE Photonics Technology Letters</i> , 2007, 19, 1227-1229.	2.5	37
17	Investigation of Transparency of FWM in SOA to Advanced Modulation Formats Involving Intensity, Phase, and Polarization Multiplexing. <i>Journal of Lightwave Technology</i> , 2009, 27, 4256-4261.	4.6	37
18	Coherent Wavelength Conversion in a Quantum Dot SOA. <i>IEEE Photonics Technology Letters</i> , 2013, 25, 791-794.	2.5	36

#	ARTICLE	IF	CITATIONS
19	All-Optical 10 and 40 Gbit/s RZ-to-NRZ Format and Wavelength Conversion Using Semiconductor Optical Amplifiers. <i>Journal of Lightwave Technology</i> , 2010, 28, 32-38.	4.6	35
20	A Novel Scheme to Detect Optical DPSK Signals. <i>IEEE Photonics Technology Letters</i> , 2004, 16, 2138-2140.	2.5	34
21	Regenerative Amplification by Using Self-Phase Modulation in a Quantum-Dot SOA. <i>IEEE Photonics Technology Letters</i> , 2010, 22, 492-494.	2.5	32
22	A 100-Gb/s noncoherent silicon receiver for PDM-DBPSK/DQPSK signals. <i>Optics Express</i> , 2014, 22, 2150.	3.4	30
23	A simple and low-power optical limiter for multi-GHz pulse trains. <i>Optics Express</i> , 2007, 15, 9849.	3.4	29
24	All-Optical Wavelength Multicasting in a QD-SOA. <i>IEEE Journal of Quantum Electronics</i> , 2011, 47, 541-547.	1.9	29
25	Ultra-broad band, low power, highly efficient coherent wavelength conversion in quantum dot SOA. <i>Optics Express</i> , 2012, 20, 27902.	3.4	29
26	A 80 km reach fully passive WDM-PON based on reflective ONUs. <i>Optics Express</i> , 2008, 16, 19043.	3.4	28
27	All-Optical Clock Recovery for NRZ-DPSK Signals. <i>IEEE Photonics Technology Letters</i> , 2006, 18, 2544-2546.	2.5	27
28	Gain Dynamics in Quantum-Dot Semiconductor Optical Amplifiers at 1550 nm. <i>IEEE Photonics Technology Letters</i> , 2010, 22, 987-989.	2.5	25
29	Optical spectral inversion without frequency shift by four-wave mixing using two pumps with orthogonal polarization. <i>IEEE Photonics Technology Letters</i> , 1998, 10, 355-357.	2.5	24
30	An InP Monolithically Integrated Unicast and Multicast Wavelength Converter. <i>IEEE Photonics Technology Letters</i> , 2013, 25, 2178-2181.	2.5	24
31	Graphene on Silicon Modulators. <i>Journal of Lightwave Technology</i> , 2020, 38, 2782-2789.	4.6	24
32	Optical Reshaping of 40-Gb/s NRZ and RZ Signals Without Wavelength Conversion. <i>IEEE Photonics Technology Letters</i> , 2008, 20, 1133-1135.	2.5	23
33	WDM-POLSK Transmission Systems by Using Semiconductor Optical Amplifiers. <i>Journal of Lightwave Technology</i> , 2006, 24, 4039-4046.	4.6	22
34	Chirp management in silicon-graphene electro absorption modulators. <i>Optics Express</i> , 2017, 25, 19371.	3.4	22
35	Fast tunable wavelength conversion for all-optical packet switching. <i>IEEE Photonics Technology Letters</i> , 2000, 12, 1361-1363.	2.5	21
36	Simultaneous Demodulation and Clock-Recovery of 40-Gb/s NRZ-DPSK Signals Using a Multiwavelength Gaussian Filter. <i>IEEE Photonics Technology Letters</i> , 2008, 20, 791-793.	2.5	21

#	ARTICLE	IF	CITATIONS
37	Symmetric 10â€¦Gbit/s WDM-PON based on cross-wavelength reuse to avoid Rayleigh backscattering and maximise band usage. Electronics Letters, 2009, 45, 1343.	1.0	20
38	Four Wave Mixing in Quantum Dot Semiconductor Optical Amplifiers. IEEE Journal of Quantum Electronics, 2014, 50, 379-389.	1.9	20
39	Photonic Integrated Reconfigurable Linear Processors as Neural Network Accelerators. Applied Sciences (Switzerland), 2021, 11, 6232.	2.5	20
40	Polarization-insensitive four-wave mixing in a semiconductor optical amplifier. Applied Physics Letters, 1998, 72, 2651-2653.	3.3	19
41	All-optical clock recovery from 40â€¦Gbitâˆ™s NRZ signal based on clock line enhancement and sharp periodic filtering. Electronics Letters, 2004, 40, 1361.	1.0	19
42	Regeneration of DPSK Signals in a Saturated SOA. IEEE Photonics Technology Letters, 2012, 24, 1597-1599.	2.5	19
43	Photonic Integrated Fully Tunable Comb Generator Cascading Optical Modulators. Journal of Lightwave Technology, 2018, 36, 5685-5689.	4.6	19
44	Reshaping capability of cross-gain compression in semiconductor amplifiers. IEEE Photonics Technology Letters, 2005, 17, 2523-2525.	2.5	18
45	A wavelength-preserving photonic integrated regenerator for NRZ and RZ signals. Optics Express, 2013, 21, 20649.	3.4	17
46	High-Power Widely Tunable 40-GHz Pulse Source for 160-Gb/s OTDM Systems Based on Nonlinear Fiber Effects. IEEE Photonics Technology Letters, 2004, 16, 753-755.	2.5	16
47	A Compact Silicon Coherent Receiver Without Waveguide Crossing. IEEE Photonics Journal, 2015, 7, 1-6.	2.0	16
48	5G NR RoF System Based on a Monolithically Integrated Multi-Wavelength Transmitter. IEEE Journal of Selected Topics in Quantum Electronics, 2021, 27, 1-8.	2.9	15
49	Polarization-independent four-wave mixing in a bidirectional traveling-wave semiconductor optical amplifier. Applied Physics Letters, 1999, 75, 3914-3916.	3.3	14
50	Exploiting time-to-wavelength conversion for all-optical label processing. IEEE Photonics Technology Letters, 2006, 18, 436-438.	2.5	14
51	All-optical label processing techniques for pure DPSK optical packets. IEEE Journal of Selected Topics in Quantum Electronics, 2006, 12, 686-696.	2.9	14
52	All-Optical Regeneration of 40 Gb/s Constant Envelope Alternative Modulation Formats. IEEE Journal of Quantum Electronics, 2010, 46, 340-346.	1.9	14
53	All-Optical Gated Wavelength Converter-Eraser Using a Single SOA-MZI. IEEE Photonics Technology Letters, 2011, 23, 1621-1623.	2.5	14
54	Monolithically Integrated All-Optical Regenerator for Constant Envelope WDM Signals. Journal of Lightwave Technology, 2013, 31, 322-327.	4.6	14

#	ARTICLE	IF	CITATIONS
55	A Directly Modulated Multiwavelength Transmitter Monolithically Integrated on InP. IEEE Journal of Selected Topics in Quantum Electronics, 2018, 24, 1-6.	2.9	14
56	Comb Line Multiplication in an InP Integrated Photonic Circuit Based on Cascaded Modulators. IEEE Journal of Selected Topics in Quantum Electronics, 2019, 25, 1-7.	2.9	14
57	Wide Dynamic Range All-Optical Clock and Data Recovery From Preamble-Free NRZ-DPSK Packets. IEEE Photonics Technology Letters, 2007, 19, 372-374.	2.5	13
58	Broad-band polarization-insensitive wavelength conversion at 10 Gb/s. IEEE Photonics Technology Letters, 2002, 14, 666-668.	2.5	12
59	Multifunctional Current-Controlled InP Photonic Integrated Delay Interferometer. IEEE Journal of Quantum Electronics, 2012, 48, 1453-1461.	1.9	12
60	Regenerative Wavelength Conversion of DPSK Signals Through FWM in an SOA. IEEE Photonics Technology Letters, 2013, 25, 175-178.	2.5	12
61	On-Chip All-Optical Wavelength Conversion of PAM-4 Signals Using an Integrated SOA-Based Turbo-Switch Circuit. Journal of Lightwave Technology, 2019, 37, 3956-3962.	4.6	11
62	Transmission in 125-km SMF with 3.9 bit/s/Hz spectral efficiency using a single-drive MZM and a direct-detection Kramers-Kronig receiver without optical CD compensation. , 2018, , .		11
63	Next Generation Terabit Transponder. , 2016, , .		10
64	Single Feeder Bidirectional WDM-PON with Enhanced Resilience to Rayleigh-Backscattering. , 2010, , .		9
65	Phase-Transparent Amplification of 16 QAM Signals in a QD-SOA. IEEE Photonics Technology Letters, 2013, 25, 2486-2489.	2.5	9
66	Polarization- and interval-independent wavelength conversion at 2.5 Gb/s by means of bidirectional four-wave mixing in semiconductor optical amplifiers. IEEE Photonics Technology Letters, 2000, 12, 852-854.	2.5	8
67	4Å–40Å€...GbitÅ•s transmission in 500Å€...km long, dispersion-managed link, with in-line all-optical wavelength conversion. Electronics Letters, 2002, 38, 1558.	1.0	8
68	All-optical header recogniser for pure DPSK optical packets. Electronics Letters, 2004, 40, 1502.	1.0	8
69	16/spl times/10 gb/s DPSK transmission over 140-km SSMF by using two common SOAs. IEEE Photonics Technology Letters, 2006, 18, 1675-1677.	2.5	8
70	A novel 40 Gb/s NRZ all-optical clock recovery. , 2005, , .		7
71	Demonstrating frequency-periodic Gaussian filtering for WDM-DPSK detection. , 2006, , .		7
72	320 Gbit/s (8Å–40 Gbit/s) double-pass terrestrial free-space optical link transparently connected to optical fibre lines. , 2008, , .		7

#	ARTICLE	IF	CITATIONS
73	Phase-Preserving Amplitude Noise Compression of 40 Gb/s DPSK Signals in a Single SOA. Journal of Lightwave Technology, 2014, 32, 1966-1972.	4.6	7
74	All-optical header processing system based on time-to-wavelength conversion for pure DPSK packets. Electronics Letters, 2005, 41, 865.	1.0	6
75	All-optical label processor with erasure for label swapping of 12.5 Gbit/s spectrally separated bit-serial DPSK label and payload. Electronics Letters, 2005, 41, 541.	1.0	6
76	Compact header processing circuit for optical DPSK packets. Electronics Letters, 2006, 42, 871.	1.0	6
77	Field-trial of SOA-based WDM-DPSK 8 Å–10 Å Gbit/s system over 300 Å km with conventional amplification span. Electronics Letters, 2007, 43, 404.	1.0	6
78	All-Optical Asynchronous Serial-to-Parallel Converter Circuit for DPSK Optical Packets. IEEE Photonics Technology Letters, 2007, 19, 783-785.	2.5	6
79	Operational Equivalence of Self-Switching in MZI and Nonlinear Polarization Switches Based on SOAs. IEEE Journal of Selected Topics in Quantum Electronics, 2008, 14, 779-788.	2.9	6
80	All-optical 40 Gbits/s packet regeneration by means of cross-gain compression in a semiconductor optical amplifier. Optics Letters, 2008, 33, 1470.	3.3	6
81	2R Optical Regeneration combining XGC in a SOA and a Saturable Absorber. , 2008, , .		6
82	Variable Delay With Directly-Modulated R-SOA and Optical Filters for Adaptive Antenna Radio-Fiber Access. Journal of Lightwave Technology, 2009, 27, 5056-5064.	4.6	6
83	80 Gb/s multicast wavelength conversion by XGM in a QD-SOA. , 2010, , .		6
84	100 nm-Bandwidth Positive-Efficiency Wavelength Conversion for m-PSK and m-QAM signals in QD-SOA. , 2013, , .		6
85	Bidirectional WDM-DPSK transmission by using SOAs. IEEE Photonics Technology Letters, 2006, 18, 1762-1764.	2.5	5
86	A novel line coding pair for fully passive long reach WDM-PONs. , 2008, , .		5
87	Impact of modulation formats on ONU energy saving. , 2010, , .		5
88	High-Speed InP-Integrated Pre-Amplified Demodulator for WDM-DPSK Signals. IEEE Photonics Technology Letters, 2015, 27, 2547-2550.	2.5	5
89	Optical Pre-Emphasis by Cascaded Graphene Electro Absorption Modulators. IEEE Photonics Technology Letters, 2019, 31, 955-958.	2.5	5
90	InP Monolithically Integrated Transmitters Based on High Speed Directly Modulated DFB Lasers. IEEE Journal of Selected Topics in Quantum Electronics, 2020, 26, 1-6.	2.9	5

#	ARTICLE	IF	CITATIONS
91	All optical regeneration by cross gain compression in semiconductor amplifiers. , 2005, , .		5
92	Experimental Characterization of SOA-Based Wavelength Converters for DPSK Signals. , 2006, , .		4
93	DPSK Packet-Level Power Equalization by means of Nonlinear Polarization Rotation in an SOA. , 2007, , .		4
94	40 Gb/s Wavelength Preserving 2R Regeneration for both RZ and NRZ Signals. , 2008, , .		4
95	Adaptive antenna system for OFDMA WiMAX radio-over-fiber links using a directly modulated R-SOA and optical filtering. , 2009, , .		4
96	Transparency of FWM in SOAs to Phase/Amplitude and Polarization. , 2009, , .		4
97	Regenerative Optical Buffer Based on SOA-Amplified Recirculating Loop. IEEE Photonics Technology Letters, 2011, 23, 1715-1717.	2.5	4
98	All-Optical Regeneration of 40 Gb/s NRZ-DPSK Signals in a Single SOA. , 2013, , .		4
99	Experimental Characterization of the First Photonic Integrated Turbo-Switch Circuit. , 2017, , .		4
100	Simultaneous multi-wavelength conversion by double stage XGM in SOAs. , 2005, , .		3
101	Operational Equivalence of Self-Switching Effect in SOA-based Nonlinear Polarization and MZI Switches. Conference Proceedings - Lasers and Electro-Optics Society Annual Meeting-LEOS, 2007, , .	0.0	3
102	Regenerative Amplification in a Quantum Dot SOA. , 2010, , .		3
103	40 Gb/s All-Optical Selective Wavelength Shifter. , 2012, , .		3
104	All-optical simultaneous drop and wavelength conversion of DPSK data. Optics Letters, 2012, 37, 2523.	3.3	3
105	All-Optical Switching of QPSK Signals for 100 G Coherent Systems. Journal of Lightwave Technology, 2012, 30, 3010-3016.	4.6	3
106	A Regenerative Variable Optical Buffer for NRZ and RZ Packets. Journal of Lightwave Technology, 2012, 30, 1366-1372.	4.6	3
107	A Multirate All-Optical Aggregator for Digital Back-Haul and PON Uplink. IEEE Photonics Technology Letters, 2014, 26, 862-865.	2.5	3
108	A fully integrated DQPSK receiver based on Compact Silicon-on-Insulator Micro-Rings. , 2015, , .		3

#	ARTICLE	IF	CITATIONS
109	Integrated Reconfigurable Coherent Transmitter Driven by Binary Signals. IEEE Journal of Selected Topics in Quantum Electronics, 2015, 21, 755-764.	2.9	3
110	Microring-Based Fully Integrated Silicon DQPSK Receiver. IEEE Photonics Technology Letters, 2015, 27, 1605-1608.	2.5	3
111	Non-Standalone 5G NR FiWi System Based on a Photonic Integrated Multi-Wavelength Transmitter. IEEE Wireless Communications Letters, 2021, 10, 1001-1004.	5.0	3
112	Phase Transparent Amplification of 40 Gbps 16 QAM Signals Using a QD-SOA. , 2013, , .		3
113	A fiber-based 1:6 WDM multicast converter at 10 Gbit/s. Optics Communications, 2004, 241, 499-502.	2.1	2
114	Symmetric 10 Gb/s WDM-PON based on a cross wavelength-reusing scheme to avoid rayleigh backscattering and maximize band usage. , 2009, , .		2
115	Effective all-optical RZ-to-NRZ conversion for transparent network gateways. , 2009, , .		2
116	Current-Controlled InP Monolithically Integrated DPSK Demodulator. , 2012, , .		2
117	Broadband Operation of High-Speed All-Optical Gated Wavelength Shifter. IEEE Photonics Technology Letters, 2012, 24, 1546-1548.	2.5	2
118	Polarization-Independent All-Optical Regenerator for DPSK Data. Photonics, 2014, 1, 154-161.	2.0	2
119	All optical processing in QD-SOAs. , 2014, , .		2
120	Polarization-independent all-optical regenerator for DPSK data. , 2014, , .		2
121	All-Optical Distribution Node for Long Reach PON Downlink. IEEE Photonics Technology Letters, 2014, 26, 1403-1406.	2.5	2
122	Ultra-compact 56-Gb/s QPSK and 80-Gb/s 16-QAM silicon coherent receiver free of waveguide crossings. , 2014, , .		2
123	A 40Gb/s InP-monolithically integrated DPSK-demodulator enhanced by cross-gain-compression in an SOA. Optics Communications, 2015, 340, 155-158.	2.1	2
124	Preamplified Demodulation of 56-Gb/s WDM-DPSK Signals by an AWG-Based InP PIC. IEEE Photonics Journal, 2016, 8, 1-8.	2.0	2
125	All-Optical Wavelength Conversion of PAM-4 Signal using Photonic Integrated Turbo-Switch. , 2018, , .		2
126	Optical Delay Inverse Weight Compensation with Graphene Electro Absorption modulators. , 2018, , .		2

#	ARTICLE	IF	CITATIONS
127	RoF/FSO System Based on a Monolithically Integrated Multi-Wavelength Transmitter. , 2021, , .		2
128	QCoSOne: a chip-based prototype for daylight free-space QKD at telecom wavelength. , 2019, , .		2
129	All-optical monolithically integrated differential XOR. , 2012, , .		2
130	A Monolithically Integrated All-Optical Wavelength Converter. , 2013, , .		2
131	Experiments on 40 Gb/s Transmission with Wavelength Conversion: Results from the IST ATLAS Project. Fiber and Integrated Optics, 2002, 21, 371-389.	2.5	1
132	High power, multiwavelength 40 GHz pulse source for WDM-OTDM applications. Optics Communications, 2004, 233, 359-362.	2.1	1
133	Versatile All-Optical Clock Recovery Circuit for OOK and DPSK Modulated Data Traffic. , 2006, , .		1
134	Semiconductor-Amplified WDM-POLSK Systems. , 2006, , .		1
135	In-Field WDM-DPSK 8-10 Gb/s Transmission over 300 km using Four Common SOAs. , 2007, , .		1
136	40 Gb/s WDM NRZ-DPSK All-Optical Clock Recovery and Data Demodulation based on a Periodic Bragg Filter. , 2008, , .		1
137	A full-duplex symmetric WDM-PON featuring OSSB downlink modulation with optical down-conversion. , 2008, , .		1
138	Modulation Format Transparent Subcarrier reuse by Feed Forward Current Injection in a Reflective SOA. , 2009, , .		1
139	Gain Recovery in Columnar Quantum Dot SOA at 1550 nm. , 2010, , .		1
140	All-optical signal regeneration using SOAs. , 2010, , .		1
141	Regenerative re-circulating fiber loop for optical buffering. , 2011, , .		1
142	Amplitude Regeneration of Phase Coded Signals. , 2012, , .		1
143	Review on SOA-MZI-based photonic add/drop and switching operations. Frontiers of Optoelectronics, 2013, 6, 67-77.	3.7	1
144	An integrated and pre-amplified demodulator for 56 Gb/s WDM-DPSK signals. , 2015, , .		1

#	ARTICLE	IF	CITATIONS
145	Photonic Integrated Wavelength Converter based on Double Stage Cross Gain Modulation in SOAs. , 2015, , .		1
146	A Compact Silicon Photonic DQPSK Receiver Based on Microring Filters. IEEE Journal of Selected Topics in Quantum Electronics, 2016, 22, 418-424.	2.9	1
147	All-Optical Wavelength Conversion in an InP Photonic Integrated Turbo-Switch. IEEE Photonics Technology Letters, 2019, 31, 1576-1579.	2.5	1
148	Comb Line Multiplication in an Integrated Optical Frequency Comb Generator. , 2019, , .		1
149	100 Gb/s (4<math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" id="d1e80") Tj ETQq1 1 0.784314 rgBT modulated integrated transmitter and DSP-free coherent detection. Optics Communications, 2021, 486, 126779.	2.1	1
150	All-Optical Signal Regeneration using SOAs. , 2010, , .		1
151	All-Optical Selective Wavelength Shifter in a SOA-MZI. , 2011, , .		1
152	A Novel Photonic Integrated Regenerator. , 2013, , .		1
153	Wavelength Conversion of PAM signals by XGM in SOAs. , 2016, , .		1
154	InP Photonic Integrated Comb Generator made by a cascade of Optical Modulators. , 2018, , .		1
155	Bi-directional, polarization-independent four-wave mixing in semiconductor optical amplifiers. , 0, , .		0
156	Towards transport networks based on 40 Gbit/s transmission: results from the IST ATLAS project. , 0, , .		0
157	Multiple Wavelength Conversion for WDM Multicasting by Means of Non-Linear Effects in SOAs. , 2005, , 299-304.		0
158	A novel all-optical header processing system based on time-to-wavelength conversion. , 0, , .		0
159	Experimental characterization of impairments induced by link-control-channels in DWDM systems. , 0, , .		0
160	Simultaneous Data Demodulation and All-Optical Clock Extraction from Pure DPSK Packets. , 2006, , .		0
161	Compact All-Optical Header Processing for DPSK Packets. , 2006, , .		0
162	10 Gbit/s All-Optical Wavelength Conversion by using Double Stage Cross-Gain-Modulation in SOAs. , 2006, , .		0

#	ARTICLE	IF	CITATIONS
163	Unrepeated 16×10 Gb/s DPSK transmission over 140 km SMF by using two commercial SOAs. , 2006, , .		0
164	Asynchronous All-Optical Circuit for Serial-to-Parallel Conversion of Label Bits of DPSK Packets. , 2007, , .		0
165	Pulse Limiting Amplification by Saturation Effects in an SOA. , 2007, , .		0
166	Pulse Limiting Amplification by Saturation Effects in an SOA. , 2007, , .		0
167	All-optical techniques enabling packet switching. , 2007, , .		0
168	A novel bidirectional WDM/TDM-PON using DPSK downstream signals and a custom AWC. , 2007, , 544.		0
169	WDM-DPSK Systems Based on SOAs in TOSCA Project. Fiber and Integrated Optics, 2008, 27, 223-228.	2.5	0
170	Analysis of PMD induced crosstalk in 20x40 Gbit/s Polarization Multiplexed signals. , 2008, , .		0
171	On the amplification of short pulses in SOAs by using CW or modulated holding beams. , 2008, , .		0
172	40 Gb/s packet reshaping with no wavelength shift using SOA cross gain compression. , 2008, , .		0
173	WDM transmission systems based on SOAs and alternative modulation formats. , 2008, , .		0
174	Assessing the Noise Statistics in Common Optical Transmission Systems. IEEE Photonics Technology Letters, 2009, 21, 1582-1584.	2.5	0
175	Remodulation of a subcarrier modulated signal by feed-forward current injection in a reflective SOA. , 2009, , .		0
176	All-optical reshaping of constant-envelope signals. , 2009, , .		0
177	How to use saturation effects in SOAs for all-optical processing. , 2009, , .		0
178	All-optical signal regeneration using SOAs. , 2010, , .		0
179	All-optical self-routing of 40 Gb/s DPSK packets. , 2011, , .		0
180	1Ã—8 self-routing of 40 Gbit/s phase-modulated packets. Electronics Letters, 2012, 48, 169.	1.0	0

#	ARTICLE	IF	CITATIONS
181	All-Optical Switching for Dynamic Wavelength Routing of 100G Pol-Mux QPSK data. , 2012, , .		0
182	Ultra-broadband, highly efficient coherent wavelength conversion in quantum dot SOA. , 2013, , .		0
183	An InP Monolithically Integrated Multi-Frequency Wavelength Converter. , 2014, , .		0
184	A DQPSK receiver based on Silicon-on-insulator micro-rings. , 2015, , .		0
185	Si photonic active controller for polarization independent coupling. , 2016, , .		0
186	Greetings from the General Co-Chairs of OECC/PSC 2019. , 2019, , .		0
187	Graphene modulators in silicon photonics platforms. , 2019, , .		0
188	56 Gb/s All-Optical Wavelength Conversion based on a Photonic Integrated Turbo-Switch. , 2019, , .		0
189	Fast Nonlinear-Polarization-Switching in SOAs for 40 Gb/s Optical Processing. , 2005, , .		0
190	All-Optical Selective Wavelength Shifter for Phase Signals up to 40 Gb/s in a Single SOA-MZI. , 2012, , .		0
191	A Regenerative Variable Optical Buffer for NRZ and RZ packets. , 2012, , .		0
192	Novel All-optical Switching Device for Dynamic Wavelength Routing in 100G Coherent Systems. , 2012, , .		0
193	Silicon Photonics Receivers for Advanced Modulation Formats. , 2015, , .		0
194	8Å—25 Gbps Transmitter based on Monolithically InP Integrated Directly Modulated Tunable DFB Lasers. , 2017, , .		0