Ernesto Ciaramella

List of Publications by Year
in descending order

231 papers	4,408 citations	159585 30 h-index	133252 59 g-index
233 all docs	233 docs citations	233 times ranked	2689 citing authors

#	Article	IF	Citations
1	Transporting MIL-STD-1553 Signals by Means of Optical Wireless Interfaces. IEEE Photonics Journal, 2022, 14, 1-8.	2.0	5
2	Integrating Optical Wireless Communication Into an Optical Bifocal Metrology for Aerospace. IEEE Photonics Journal, 2022, 14, 1-5.	2.0	0
3	100 Gb/s (4<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" id="d1e80") Tj ETQq1 1 0.784314 rgBT /C modulated integrated transmitter and DSP-free coherent detection. Optics Communications, 2021, 486, 126779.	2.1	1
4	Assessment of a Polarization-Independent DSP-Free Coherent Receiver for Intensity-Modulated Signals. Journal of Lightwave Technology, 2020, 38, 676-683.	4.6	12
5	PBS-Free Polarization-Independent PON Coherent Receiver. IEEE Photonics Technology Letters, 2020, 32, 1361-1364.	2.5	3
6	Modelization and Characterization of a CMOS Camera as an Optical Real-Time Oscilloscope. IEEE Photonics Journal, 2020, 12, 1-13.	2.0	7
7	DSP Enabled Optical Detection Techniques for PON. Journal of Lightwave Technology, 2020, 38, 684-695.	4.6	18
8	Detecting WDM visible light signals by a single multi-color photodiode with MIMO processing. Optics Letters, 2020, 45, 1160.	3.3	5
9	Prospects of Visible Light Communications in Satellites. , 2020, , .		1
10	VCSEL-Based 24 Gbit/s OWC Board-to-Board System. IEEE Communications Letters, 2019, 23, 1564-1567.	4.1	3
11	10 Gbit/s OWC System for Intra-Data Centers Links. IEEE Photonics Technology Letters, 2019, 31, 805-808.	2.5	25
12	TOWS: Introducing Optical Wireless for Satellites. , 2019, , .		6
13	Optical Wireless Systems for High Energy Physics: Design and Characterization. , 2019, , .		1
14	Ethernet over commercial lighting by a Visible Light Communication. , 2018, , .		4
15	Full-Fledged 10Base-T Ethernet Underwater Optical Wireless Communication System. IEEE Journal on Selected Areas in Communications, 2018, 36, 194-202.	14.0	44
16	Mutual Seeding of Directly Modulated R-SOAs for Full-Duplex and Single-Wavelength Short Reaches. IEEE Photonics Technology Letters, 2018, 30, 2064-2067.	2.5	1
17	Bidirectional Coherent Pol-Mux Access Networks Based on a Common Polarization Controller at OLT and No PBS. , 2018, , .		0
18	Sea-Trial of Optical Ethernet Modems for Underwater Wireless Communications. Journal of Lightwave Technology, 2018, 36, 5371-5380.	4.6	26

#	Article	IF	Citations
19	Optical vs. Electrical Duobinary Coding for 25 Gb/s PONs based on DSP-free Coherent Envelope Detection. , 2018, , .		9
20	Sea-trial of an Ethernet-based Underwater VLC Communication System. , 2018, , .		5
21	230 Mbit/s Real-Time Optical Wireless Transmission in Non-Directed Line-Of-Sight Configuration. , 2018, , .		1
22	Field-Trial of a High-Budget, Filterless, $lambda$ -to-the-User, UDWDM-PON Enabled by an Innovative Class of Low-Cost Coherent Transceivers. Journal of Lightwave Technology, 2017, 35, 5250-5259.	4.6	23
23	Real-Time Gigabit-Ethernet Transmission over Optical Wireless Using Off-the-Shelf Components. , 2017, , .		1
24	Design and Assessment of a 2.5-Gb/s Optical Wireless Transmission System for High Energy Physics. IEEE Photonics Journal, 2017, 9, 1-8.	2.0	7
25	10 Gb/s long-reach PON system based on directly modulated transmitters and simple polarization independent coherent receiver. Optics Express, 2017, 25, 17841.	3.4	13
26	Design and characterization of the optical layer of a novel pair of underwater VLC modems. , 2017, , .		0
27	Field-trial of a Î»-to-the-user high-budget PON using a novel class of low-cost coherent transceivers and compatible with EPON system operation. , 2017, , .		0
28	OptoCOMM: Development and experimentation of a new optical wireless underwater modem. , 2016, , .		4
29	OptoCOMM: Introducing a new optical underwater wireless communication modem. , 2016, , .		13
30	Demonstrating practical indoor LTE-over-optical wireless. , 2016, , .		1
31	4Ã—10 Gb/s coherent WDM-PON system over 110 km of Single Mode Fibre and with 55 dB ODN power budget. , 2016, , .		2
32	Hitless wavelength assignment in filterless optical access networks. , 2016, , .		2
33	Ultra-dense WDM access network field trial. , 2016, , .		3
34	Experimental demonstration of an optical wireless MRI compatible PET/SPECT insert front-end. , 2016, , .		4
35	Technologies for Cost-Effective udWDM-PONs. Journal of Lightwave Technology, 2016, 34, 783-791.	4.6	61
36	Polarization-Independent Coherent Real-Time Analog Receiver for PON Access Systems. Journal of Lightwave Technology, 2016, 34, 2027-2033.	4.6	22

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37	Optical Wireless Communication system for particle detectors in high energy physics. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2016, 824, 245-247.	1.6	2
38	Bidirectional Coherent PON with ONU Based on Reused Direct-Modulated LO. , 2016, , .		2
39	4Ã—10 Gb/s Coherent WDM-PON System over 110 km Single Mode Fibre and with 55 dB ODN Power Budget. , 2016, , .		2
40	Hitless Dynamic Wavelength Allocation in Coherent WDM-PONs. , 2016, , .		2
41	Coherent PON system with high-sensitivity polarization-independent receiver and no ADC/DSP. , 2015, , .		6
42	A European view on the next generation optical wireless communication standard. , 2015, , .		39
43	High speed optical wireless data transmission system for particle sensors in high energy physics. Journal of Instrumentation, 2015, 10, C08003-C08003.	1.2	2
44	Low-Cost 6.25 GHz UDWDM-PON based on Direct Intensity-Modulated Transmitters. , 2015, , .		3
45	1.4 mA (70 mV) Peak-to-Peak Drive of 1.25 Gb/s Frequency Modulated Laser for WDM Coherent Access Networks. , 2015, , .		1
46	Remote light source for silicon photonic transceivers in mobile fronthaul applications. Electronics Letters, 2015, 51, 355-357.	1.0	6
47	Applications of narrow-filtering based on optical coherent detection. , 2015, , .		0
48	Simple and effective solutions for low-cost coherent WDM-PON. , 2015, , .		1
49	10-Gb/s Long-Reach PON System With Low-Complexity Dispersion-Managed Coherent Receiver. IEEE Photonics Journal, 2015, 7, 1-8.	2.0	11
50	Coherent Systems for Low-Cost 10 Gb/s Optical Access Networks. Journal of Lightwave Technology, 2015, 33, 3338-3344.	4.6	21
51	Gigabit-class optical wireless communication system at indoor distances (15 â€“ 4 m). Optics Express, 2015, 23, 15700.	3.4	63
52	Ultra-dense WDM-PON 625 GHz spaced 8Ã—1 Gb/s based on a simplified coherent-detection scheme. Optics Express, 2015, 23, 22706.	3.4	15
53	COCONUT cost, power consumption and migration analysis: A route towards NG-PON3. , 2015, , .		6
54	Implementation and testing of a ASK polarization-independent coherent receiver for UDWDM-PON. , 2015, , .		0

#	Article	IF	Citations
55	Experimental demonstration of a novel polarization-independent coherent receiver for PONs. , 2014, , .		15
56	5.6 Gbit/s downlink and 1.5 Gbit/s uplink optical wireless transmission at indoor distances (≥ 1.5) Tj ETQq0 0 0 rgBT /Overlock 1		19
57	Simple and low cost 10 Gb/s coherent transmission for long reach PON. , 2014, , .		2
58	Long-reach Gbit/s visible light communication exploiting White Hot-Spot. , 2014, , .		0
59	High-power budget OFDM-PON compatible with ultra-narrow channel spacing. , 2014, , .		1
60	6.25Gb/s differential duobinary transmission in 2GHz BW limited direct phase modulated DFB for udWDM-PONs. , 2014, , .		7
61	Polarization-Independent Receivers for Low-Cost Coherent OOK Systems. IEEE Photonics Technology Letters, 2014, 26, 548-551.	2.5	69
62	Bi-directional 400 Mbit/s LED-based Optical Wireless communication for Non-directed Line-of-Sight Transmission. , 2014, , .		10
63	Electrical filter-based and low-complexity DPSK coherent optical receiver. Optics Letters, 2014, 39, 6301.	3.3	6
64	Using directly modulated DFBs without power penalty in lowâ€cost and highâ€power budget coherent access networks. Electronics Letters, 2014, 50, 536-538.	1.0	8
65	High-Speed Bi-directional Optical Wireless System in Non-Directed Line-of-Sight Configuration. Journal of Lightwave Technology, 2014, 32, 2035-2040.	4.6	43
66	Low cost coherent receivers for UD-WDM NRZ systems in access networks. , 2014, , .		4
67	RoF using optically equalized RSOA WDM-PON architecture. , 2014, , .		3
68	Low cost solutions implementing ultra-dense-WDM in access. , 2014, , .		2
69	All DFB-Based Coherent UDWDM PON With 6.25 GHz Spacing and a <formula formulatype="inline"><tex Notation="TeX">${>}{m 40}~{m dB}$</tex></formula> Power Budget. IEEE Photonics Technology Letters, 2014, 26, 107-110.	2.5	30
70	Indoor High-speed optical wireless communications: Recent developments. , 2014, , .		3
71	Blind Adaptive Chromatic Dispersion Compensation and Estimation for DSP-Based Coherent Optical Systems. Journal of Lightwave Technology, 2013, 31, 2131-2139.	4.6	23
72	40 Gb/s Single R-SOA Transmission by Optical Equalization and Adaptive OFDM. IEEE Photonics Technology Letters, 2013, 25, 2119-2122.	2.5	15

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73	Experimental demonstration of high speed underwater visible light communications. , 2013, , .		75
74	Self-seeding of semiconductor lasers for next-generation WDM Passive Optical Networks. , 2013, , .		3
75	COCONUT requirements for residential, business and outdoor scenarios. , 2013, , .		5
76	A 1.25 Gb/s Low-Cost Coherent PON. , 2013, , .		8
77	Towards ultra-dense wavelength-to-the-user: The approach of the COCONUT project. , 2013, , .		38
78	Diffuse IR-optical wireless system demonstration for mobile patient monitoring in hospitals. , 2013, , .		8
79	Non-Directed Line-of-Sight Visible Light System providing High-Speed and Robustness to Ambient Light. , 2013, , .		4
80	WDM-PON based on Self-Seeded OLT and Wavelength Reuse at ONU. , 2013, , .		5
81	25 Gb/s Operation of 1-GHz Bandwidth R-SOA by using DMT and Optical Equalization. , 2013, , .		4
82	A Novel Photonic Integrated Regenerator. , 2013, , .		1
83	DGD monitoring issues in high-speed polarisation multiplexed coherent QPSK systems. Electronics Letters, 2012, 48, 446.	1.0	2
84	1Ã—8 self-routing of 40â€…Gbit/s phase-modulated packets. Electronics Letters, 2012, 48, 169.	1.0	0
85	Enhanced 10 Gb/s operations of directly modulated reflective semiconductor optical amplifiers without electronic equalization. Optics Express, 2012, 20, B507.	3.4	13
86	Free space optical communication in the visible bandwidth for V2V safety critical protocols. , 2012, , .		13
87	34 Gbit/s visible optical wireless transmission based on RGB LED. Optics Express, 2012, 20, B501.	3.4	398
88	Blind and Low Complexity CD Compensation and Estimation Method in DSP based Coherent Optical Systems. , 2012, , .		0
89	Long Distance Indoor High Speed Visible Light Communication System Based on RGB LEDs. , 2012, , .		14
90	2.1 Gbit/s Visible Optical Wireless Transmission. , 2012, , .		17

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91	Uncooled and Polarization Independent Operation of Self-Seeded Fabryâ€“PÃ©rot Lasers for WDM-PONs. IEEE Photonics Technology Letters, 2012, 24, 1523-1526.	2.5	20
92	VLC-signals distribution over GI-POF for in-home wireless networks. , 2012, , .		8
93	Carrier class availability in a transparent 1.25 Gb/s free space optical communication link over 320 m. , 2012, , .		3
94	1-Gb/s Transmission Over a Phosphorescent White LED by Using Rate-Adaptive Discrete Multitone Modulation. IEEE Photonics Journal, 2012, 4, 1465-1473.	2.0	395
95	Wavelength Conversion and All-Optical Regeneration: Achievements and Open Issues. Journal of Lightwave Technology, 2012, 30, 572-582.	4.6	50
96	BER Estimation for Performance Monitoring in High-Speed Digital Optical Signals. Journal of Lightwave Technology, 2012, 30, 2117-2124.	4.6	4
97	Accurate BER Estimation for Coherent Optical Transmission Systems. , 2012, , .		0
98	Accurate BER Estimation for Coherent Optical Transmission Systems. , 2012, , .		0
99	Enhanced 10-Gb/s Operation of Bandwidth-Limited R-SOAs Without Electronic Equalization. , 2012, , .		3
100	All-optical self-routing of 40 Gb/s DPSK packets. , 2011, , .		0
101	A Visible Light localization aided Optical Wireless system. , 2011, , .		40
102	Demonstrating a hybrid radio-over-fibre and visible light communication system. Electronics Letters, 2011, 47, 1136.	1.0	10
103	Homodyne Coherent Optical Receiver Using an Optical Injection Phase-Lock Loop. Journal of Lightwave Technology, 2011, 29, 1152-1164.	4.6	50
104	Investigation of the Effects of Chirped RZ Signals in Reducing the Transmission Impairments in R-SOA-Based Bidirectional PONs. Journal of Lightwave Technology, 2011, 29, 1165-1171.	4.6	6
105	Effective homodyne optical phase locking to PSK signal by means of 8b10b line coding. Optics Express, 2011, 19, 1707.	3.4	22
106	Hybrid Radio over Fiber and Visible Light (RoF-VLC) Communication System. , 2011, , .		7
107	Stable self-seeding of R-SOAs for WDM-PONs. , 2011, , .		25
108	Achievements and Future Prospects of Wavelength Conversion and All-Optical Regeneration. , 2011, , .		1

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109	8b10b Line Coding of PSK Signals for Effective Homodyne Coherent Detection. , 2011, , .		1
110	Single Feeder Bidirectional WDM-PON with Enhanced Resilience to Rayleigh-Backscattering. , 2010, , .		9
111	Self-Homodyne 10 Gbit/s PSK Receiver based on Stimulated Brillouin Amplification and Electrical Filtering. , 2010, , .		0
112	All-Optical Regeneration of 40 Gb/s Constant Envelope Alternative Modulation Formats. IEEE Journal of Quantum Electronics, 2010, 46, 340-346.	1.9	14
113	Highly improved uplink transmission in bidirectional PONs by using a RZ direct-modulated R-SOA. , 2010, , .		1
114	Impact of modulation formats on ONU energy saving. , 2010, , .		5
115	Reduction of the influence of optical interferometric crosstalk noise in a WDM-PON system with a reflective semiconductor optical amplifier: An overview. , 2010, , .		2
116	Enhanced reflection tolerance in WDM-PON by chirped RZ modulation. Electronics Letters, 2010, 46, 1009.	1.0	17
117	Enhancing Resilience to Rayleigh Crosstalk by Means of Line Coding and Electrical Filtering. IEEE Photonics Technology Letters, 2010, 22, 85-87.	2.5	45
118	System feasibility of using stimulated Brillouin scattering in self coherent detection schemes. Optics Express, 2010, 18, 12702.	3.4	18
119	All-Optical 10 and 40 Gbit/s RZ-to-NRZ Format and Wavelength Conversion Using Semiconductor Optical Amplifiers. Journal of Lightwave Technology, 2010, 28, 32-38.	4.6	35
120	Flexible radio-over-fibre signal distribution in in-building networks based on modulated ASE noise. , 2010, , .		1
121	Symmetric 10 Gb/s WDM-PON based on a cross wavelength-reusing scheme to avoid rayleigh backscattering and maximize band usage. , 2009, , .		2
122	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
123	Investigation of Transparency of FWM in SOA to Advanced Modulation Formats Involving Intensity, Phase, and Polarization Multiplexing. Journal of Lightwave Technology, 2009, 27, 4256-4261.	4.6	37
124	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
125	Evolution Scenario Toward WDM-PON [Invited]. Journal of Optical Communications and Networking, 2009, 1, C25.	4.8	30
126	1.28 terabit/s (32x40 Gbit/s) wdm transmission system for free space optical communications. IEEE Journal on Selected Areas in Communications, 2009, 27, 1639-1645.	14.0	210

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127	1.28-Tb/s (32 $imes$ 40 Gb/s) Free-Space Optical WDM Transmission System. IEEE Photonics Technology Letters, 2009, 21, 1121-1123.	2.5	60
128	Assessing the Noise Statistics in Common Optical Transmission Systems. IEEE Photonics Technology Letters, 2009, 21, 1582-1584.	2.5	0
129	Remodulation of a subcarrier modulated signal by feed-forward current injection in a reflective SOA. , 2009, , .		0
130	All-optical reshaping of constant-envelope signals. , 2009, , .		0
131	Effective all-optical RZ-to-NRZ conversion for transparent network gateways. , 2009, , .		2
132	Modulation Format Transparent Subcarrier reuse by Feed Forward Current Injection in a Reflective SOA. , 2009, , .		1
133	Adaptive antenna system for OFDMA WiMAX radio-over-fiber links using a directly modulated R-SOA and optical filtering. , 2009, , .		4
134	Transparency of FWM in SOAs to Phase/Amplitude and Polarization. , 2009, , .		4
135	1.28 Terabit/s (32Ã—40 Gbit/s) WDM transmission over a double-pass free space optical link. , 2009, , .		15
136	Migration towards High Speed Optical Access Enabled by WDM Techniques. , 2009, , .		2
137	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
138	Effective Approach to Estimate Optical System Performance From Numerical Simulations. IEEE Photonics Technology Letters, 2008, 20, 1703-1705.	2.5	3
139	Simultaneous Demodulation and Clock-Recovery of 40-Gb/s NRZ-DPSK Signals Using a Multiwavelength Gaussian Filter. IEEE Photonics Technology Letters, 2008, 20, 791-793.	2.5	21
140	Optical Reshaping of 40-Gb/s NRZ and RZ Signals Without Wavelength Conversion. IEEE Photonics Technology Letters, 2008, 20, 1133-1135.	2.5	23
141	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
142	A 80 km reach fully passive WDM-PON based on reflective ONUs. Optics Express, 2008, 16, 19043.	3.4	28
143	Using Semiconductor-Optical Amplifiers With Constant Envelope WDM Signals. IEEE Journal of Quantum Electronics, 2008, 44, 403-409.	1.9	20
144	WDM-DPSK Systems Based on SOAs in TOSCA Project. Fiber and Integrated Optics, 2008, 27, 223-228.	2.5	0

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145	All-optical delay technique for supporting multiple antennas in a hybrid optical - wireless transmission system. , 2008, , .		1
146	40 Gb/s WDM NRZ-DPSK All-Optical Clock Recovery and Data Demodulation based on a Periodic Bragg Filter. , 2008, , .		1
147	Double-pass PMF-based optical circuit enhancing 40 Gbit/s chromatic dispersion tolerance. , 2008, , .		0
148	2R Optical Regeneration combining XGC in a SOA and a Saturable Absorber. , 2008, , .		6
149	40 Gb/s Wavelength Preserving 2R Regeneration for both RZ and NRZ Signals. , 2008, , .		4
150	A novel line coding pair for fully passive long reach WDM-PONs. , 2008, , .		5
151	A full-duplex symmetric WDM-PON featuring OSSB downlink modulation with optical down-conversion. , 2008, , .		1
152	320 Gbit/s (8Ã—40 Gbit/s) double-pass terrestrial free-space optical link transparently connected to optical fibre lines. , 2008, , .		7
153	Automated Performance Equalization in WDM Networks with inline Optical Add Drop Multiplexers. , 2008, , .		0
154	On the amplification of short pulses in SOAs by using CW or modulated holding beams. , 2008, , .		0
155	40 Gb/s packet reshaping with no wavelength shift using SOA cross gain compression. , 2008, , .		0
156	Novel scheme for code preserving regenerative NRZ-DPSK wavelength and format conversion. , 2008, , .		0
157	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
158	Asynchronous All-Optical Circuit for Serial-to-Parallel Conversion of Label Bits of DPSK Packets. , 2007, , .		0
159	Field-trial of SOA-based WDM-DPSK 8Ã—10â€…Gbit/s system over 300â€…km with conventional amplification span. Electronics Letters, 2007, 43, 404.	1.0	6
160	DPSK Packet-Level Power Equalization by means of Nonlinear Polarization Rotation in an SOA. , 2007, , .		4
161	Parameters affecting the performance of WDM-DPSK systems based on SOA amplifiers. , 2007, , .		1
162	All-optical techniques enabling packet switching. , 2007, , .		0

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163	A simple and low-power optical limiter for multi-GHz pulse trains. Optics Express, 2007, 15, 9849.	3.4	29
164	Cross-Gain Compression in Semiconductor Optical Amplifiers. Journal of Lightwave Technology, 2007, 25, 915-921.	4.6	54
165	In-Field WDM-DPSK 8Ã—10 Gb/s Transmission over 300 km using Four Common SOAs. , 2007, , .		1
166	A Bidirectional WDM/TDM-PON Using DPSK Downstream Signals and a Narrowband AWG. IEEE Photonics Technology Letters, 2007, 19, 1227-1229.	2.5	37
167	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
168	All-Optical Asynchronous Serial-to-Parallel Converter Circuit for DPSK Optical Packets. IEEE Photonics Technology Letters, 2007, 19, 783-785.	2.5	6
169	Stabilizing PMD Compensators by Means of Polarization Dithering. IEEE Photonics Technology Letters, 2007, 19, 1892-1894.	2.5	1
170	Versatile All-Optical Clock Recovery Circuit for OOK and DPSK Modulated Data Traffic. , 2006, , .		1
171	Double-stage cross-gain modulation in SOAs: an effective technique for WDM multicasting. IEEE Photonics Technology Letters, 2006, 18, 181-183.	2.5	60
172	Exploiting time-to-wavelength conversion for all-optical label processing. IEEE Photonics Technology Letters, 2006, 18, 436-438.	2.5	14
173	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
174	Bidirectional WDM-DPSK transmission by using SOAs. IEEE Photonics Technology Letters, 2006, 18, 1762-1764.	2.5	5
175	All-Optical Clock Recovery for NRZ-DPSK Signals. IEEE Photonics Technology Letters, 2006, 18, 2544-2546.	2.5	27
176	A highly effective technique for setting the power preemphasis in WDM optical systems. Journal of Lightwave Technology, 2006, 24, 342-356.	4.6	4
177	System performance using different types of in-line optical regenerators. Journal of Lightwave Technology, 2006, 24, 3727-3733.	4.6	7
178	WDM-POLSK Transmission Systems by Using Semiconductor Optical Amplifiers. Journal of Lightwave Technology, 2006, 24, 4039-4046.	4.6	22
179	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
180	Compact header processing circuit for optical DPSK packets. Electronics Letters, 2006, 42, 871.	1.0	6

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181	WDM-DPSK detection by means of frequency-periodic Gaussian filtering. Electronics Letters, 2006, 42, 112.	1.0	43
182	Demonstrating frequency-periodic Gaussian filtering for WDM-DPSK detection. , 2006, , .		7
183	Simultaneous Data Demodulation and All-Optical Clock Extraction from Pure DPSK Packets. , 2006, , .		0
184	10 Gbit/s All-Optical Wavelength Conversion by using Double Stage Cross-Gain-Modulation in SOAs. , 2006, , .		0
185	Experimental Characterization of SOA-Based Wavelength Converters for DPSK Signals. , 2006, , .		4
186	All-optical header processing system based on time-to-wavelength conversion for pure DPSK packets. Electronics Letters, 2005, 41, 865.	1.0	6
187	All-optical label processorâˆ•erasure for label swapping of 12.5â€…Gbitâˆ•s spectrally separated bit-serial DPSK label and payload. Electronics Letters, 2005, 41, 541.	1.0	6
188	A novel 40 Gb/s NRZ all-optical clock recovery. , 2005, , .		7
189	Simultaneous multi-wavelength conversion by double stage XGM in SOAs. , 2005, , .		3
190	Analytical approximation of nonlinear distortions. IEEE Photonics Technology Letters, 2005, 17, 91-93.	2.5	25
191	Effective suppression of transient-induced impairments in transparent optical networks. IEEE Photonics Technology Letters, 2005, 17, 2487-2489.	2.5	2
192	Single and multicast wavelength conversion at 40 Gb/s by means of fast nonlinear polarization switching in an SOA. IEEE Photonics Technology Letters, 2005, 17, 2652-2654.	2.5	55
193	Reshaping capability of cross-gain compression in semiconductor amplifiers. IEEE Photonics Technology Letters, 2005, 17, 2523-2525.	2.5	18
194	Fast Nonlinear-Polarization-Switching in SOAs for 40 Gb/s Optical Processing. , 2005, , .		0
195	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
196	A fiber-based 1:6 WDM multicast converter at 10 Gbit/s. Optics Communications, 2004, 241, 499-502.	2.1	2
197	High power, multiwavelength 40 GHz pulse source for WDMâ€“OTDM applications. Optics Communications, 2004, 233, 359-362.	2.1	1
198	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

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199	Multiple Wavelength Conversion for WDM Multicasting by FWM in an SOA. IEEE Photonics Technology Letters, 2004, 16, 1775-1777.	2.5	127
200	Theoretical Evidence of Dynamical Limitations in Practical Single-Stage PMD Compensators. IEEE Photonics Technology Letters, 2004, 16, 1843-1845.	2.5	10
201	A Novel Scheme to Detect Optical DPSK Signals. IEEE Photonics Technology Letters, 2004, 16, 2138-2140.	2.5	34
202	40-GHz All-Optical Clock Extraction Using a Semiconductor-Assisted Fabryâ€“PÃ‰rot Filter. IEEE Photonics Technology Letters, 2004, 16, 2523-2525.	2.5	49
203	All-optical header recogniser for pure DPSK optical packets. Electronics Letters, 2004, 40, 1502.	1.0	8
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