

Ernesto Ciaramella

List of Publications by Year in descending order

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231
papers

4,408
citations

159585

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133252

59
g-index

233
all docs

233
docs citations

233
times ranked

2689
citing authors

#	ARTICLE	IF	CITATIONS
1	Observation of dihedral transverse patterning of Gaussian beams in nonlinear optics. Physical Review A, 1994, 50, R10-R13.	2.5	421
2	34 Gbit/s visible optical wireless transmission based on RGB LED. Optics Express, 2012, 20, B501.	3.4	398
3	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
4	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
5	Multiple Wavelength Conversion for WDM Multicasting by FWM in an SOA. IEEE Photonics Technology Letters, 2004, 16, 1775-1777.	2.5	127
6	All-optical signal reshaping via four-wave mixing in optical fibers. IEEE Photonics Technology Letters, 2000, 12, 849-851.	2.5	122
7	All-optical signal reshaping by means of four-wave mixing in optical fibers. IEEE Photonics Technology Letters, 2001, 13, 142-144.	2.5	88
8	Experimental demonstration of high speed underwater visible light communications. , 2013, , .		75
9	Polarization-Independent Receivers for Low-Cost Coherent OOK Systems. IEEE Photonics Technology Letters, 2014, 26, 548-551.	2.5	69
10	Gigabit-class optical wireless communication system at indoor distances (15 m). Optics Express, 2015, 23, 15700.	3.4	63
11	Introducing wavelength granularity to reduce the complexity of optical cross connects. IEEE Photonics Technology Letters, 2000, 12, 699-701.	2.5	61
12	Technologies for Cost-Effective udWDM-PONs. Journal of Lightwave Technology, 2016, 34, 783-791.	4.6	61
13	Double-stage cross-gain modulation in SOAs: an effective technique for WDM multicasting. IEEE Photonics Technology Letters, 2006, 18, 181-183.	2.5	60
14	1.28-Tb/s (32 \times 40 Gb/s) Free-Space Optical WDM Transmission System. IEEE Photonics Technology Letters, 2009, 21, 1121-1123.	2.5	60
15	Talbot assisted hexagonal beam patterning in a thin liquid crystal film with a single feedback mirror at negative distance. Applied Physics Letters, 1993, 63, 1604-1606.	3.3	59
16	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
17	Cross-Gain Compression in Semiconductor Optical Amplifiers. Journal of Lightwave Technology, 2007, 25, 915-921.	4.6	54
18	Homodyne Coherent Optical Receiver Using an Optical Injection Phase-Lock Loop. Journal of Lightwave Technology, 2011, 29, 1152-1164.	4.6	50

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19	Wavelength Conversion and All-Optical Regeneration: Achievements and Open Issues. Journal of Lightwave Technology, 2012, 30, 572-582.	4.6	50
20	40-GHz All-Optical Clock Extraction Using a Semiconductor-Assisted Fabry-Pérot Filter. IEEE Photonics Technology Letters, 2004, 16, 2523-2525.	2.5	49
21	Enhancing Resilience to Rayleigh Crosstalk by Means of Line Coding and Electrical Filtering. IEEE Photonics Technology Letters, 2010, 22, 85-87.	2.5	45
22	Full-Fledged 10Base-T Ethernet Underwater Optical Wireless Communication System. IEEE Journal on Selected Areas in Communications, 2018, 36, 194-202.	14.0	44
23	WDM-DPSK detection by means of frequency-periodic Gaussian filtering. Electronics Letters, 2006, 42, 112.	1.0	43
24	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
25	A Visible Light localization aided Optical Wireless system. , 2011, , .		40
26	A European view on the next generation optical wireless communication standard. , 2015, , .		39
27	Towards ultra-dense wavelength-to-the-user: The approach of the COCONUT project. , 2013, , .		38
28	Using modulation instability to determine Kerr coefficient in optical fibres. Electronics Letters, 1995, 31, 1012-1013.	1.0	37
29	A Bidirectional WDM/TDM-PON Using DPSK Downstream Signals and a Narrowband AWG. IEEE Photonics Technology Letters, 2007, 19, 1227-1229.	2.5	37
30	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
31	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
32	A Novel Scheme to Detect Optical DPSK Signals. IEEE Photonics Technology Letters, 2004, 16, 2138-2140.	2.5	34
33	Toward wide-scale all-optical transparent networking: the ACTS optical pan-European network (OPEN) project. IEEE Journal on Selected Areas in Communications, 1998, 16, 1226-1244.	14.0	32
34	Evolution Scenario Toward WDM-PON [Invited]. Journal of Optical Communications and Networking, 2009, 1, C25.	4.8	30
35	All DFB-Based Coherent UDWDM PON With 6.25 GHz Spacing and a 40 m dB Power Budget. IEEE Photonics Technology Letters, 2014, 26, 107-110.	2.5	30
36	A simple and low-power optical limiter for multi-GHz pulse trains. Optics Express, 2007, 15, 9849.	3.4	29

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37	A 80 km reach fully passive WDM-PON based on reflective ONUs. Optics Express, 2008, 16, 19043.	3.4	28
38	All-Optical Clock Recovery for NRZ-DPSK Signals. IEEE Photonics Technology Letters, 2006, 18, 2544-2546.	2.5	27
39	Sea-Trial of Optical Ethernet Modems for Underwater Wireless Communications. Journal of Lightwave Technology, 2018, 36, 5371-5380.	4.6	26
40	Analytical approximation of nonlinear distortions. IEEE Photonics Technology Letters, 2005, 17, 91-93.	2.5	25
41	10 Gbit/s OWC System for Intra-Data Centers Links. IEEE Photonics Technology Letters, 2019, 31, 805-808.	2.5	25
42	Stable self-seeding of R-SOAs for WDM-PONs. , 2011, , .		25
43	Optical Reshaping of 40-Gb/s NRZ and RZ Signals Without Wavelength Conversion. IEEE Photonics Technology Letters, 2008, 20, 1133-1135.	2.5	23
44	Blind Adaptive Chromatic Dispersion Compensation and Estimation for DSP-Based Coherent Optical Systems. Journal of Lightwave Technology, 2013, 31, 2131-2139.	4.6	23
45	Field-Trial of a High-Budget, Filterless, λ -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
46	WDM-POLSK Transmission Systems by Using Semiconductor Optical Amplifiers. Journal of Lightwave Technology, 2006, 24, 4039-4046.	4.6	22
47	Effective homodyne optical phase locking to PSK signal by means of 8b10b line coding. Optics Express, 2011, 19, 1707.	3.4	22
48	Polarization-Independent Coherent Real-Time Analog Receiver for PON Access Systems. Journal of Lightwave Technology, 2016, 34, 2027-2033.	4.6	22
49	Fast tunable wavelength conversion for all-optical packet switching. IEEE Photonics Technology Letters, 2000, 12, 1361-1363.	2.5	21
50	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
51	Coherent Systems for Low-Cost 10 Gb/s Optical Access Networks. Journal of Lightwave Technology, 2015, 33, 3338-3344.	4.6	21
52	Using Semiconductor-Optical Amplifiers With Constant Envelope WDM Signals. IEEE Journal of Quantum Electronics, 2008, 44, 403-409.	1.9	20
53	Symmetric 10 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
54	Uncooled and Polarization Independent Operation of Self-Seeded Fabry-Pérot Lasers for WDM-PONs. IEEE Photonics Technology Letters, 2012, 24, 1523-1526.	2.5	20

#	ARTICLE	IF	CITATIONS
55	All-optical clock recovery from 40 Gbit/s NRZ signal based on clock line enhancement and sharp periodic filtering. Electronics Letters, 2004, 40, 1361.	1.0	19
56	5.6 Gbit/s downlink and 1.5 Gbit/s uplink optical wireless transmission at indoor distances ($1.5 \text{ Tj ETQq0 0 0 rgBT}$). Optics Express, 2010, 18, 12702.	1.0	19
57	Reshaping capability of cross-gain compression in semiconductor amplifiers. IEEE Photonics Technology Letters, 2005, 17, 2523-2525.	2.5	18
58	System feasibility of using stimulated Brillouin scattering in self coherent detection schemes. Optics Express, 2010, 18, 12702.	3.4	18
59	DSP Enabled Optical Detection Techniques for PON. Journal of Lightwave Technology, 2020, 38, 684-695.	4.6	18
60	Enhanced reflection tolerance in WDM-PON by chirped RZ modulation. Electronics Letters, 2010, 46, 1009.	1.0	17
61	2.1 Gbit/s Visible Optical Wireless Transmission. , 2012, , .		17
62	Modulation instability in long amplified links with strong dispersion compensation. IEEE Photonics Technology Letters, 1999, 11, 1608-1610.	2.5	16
63	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
64	40 Gb/s Single R-SOA Transmission by Optical Equalization and Adaptive OFDM. IEEE Photonics Technology Letters, 2013, 25, 2119-2122.	2.5	15
65	Experimental demonstration of a novel polarization-independent coherent receiver for PONs. , 2014, , .		15
66	Ultra-dense WDM-PON 625 GHz spaced 8 Å—1 Gb/s based on a simplified coherent-detection scheme. Optics Express, 2015, 23, 22706.	3.4	15
67	1.28 Terabit/s (32 Å—40 Gbit/s) WDM transmission over a double-pass free space optical link. , 2009, , .		15
68	A New Nonlinear Optical Method to Measure the Elastic Anisotropy of Liquid Crystals. Molecular Crystals and Liquid Crystals, 1994, 241, 205-214.	0.3	14
69	Exploiting time-to-wavelength conversion for all-optical label processing. IEEE Photonics Technology Letters, 2006, 18, 436-438.	2.5	14
70	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
71	All-Optical Regeneration of 40 Gb/s Constant Envelope Alternative Modulation Formats. IEEE Journal of Quantum Electronics, 2010, 46, 340-346.	1.9	14
72	Long Distance Indoor High Speed Visible Light Communication System Based on RGB LEDs. , 2012, , .		14

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73	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
74	Enhanced 10 Gb/s operations of directly modulated reflective semiconductor optical amplifiers without electronic equalization. Optics Express, 2012, 20, B507.	3.4	13
75	Free space optical communication in the visible bandwidth for V2V safety critical protocols. , 2012, , .		13
76	OptoCOMM: Introducing a new optical underwater wireless communication modem. , 2016, , .		13
77	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
78	Assessment of a Polarization-Independent DSP-Free Coherent Receiver for Intensity-Modulated Signals. Journal of Lightwave Technology, 2020, 38, 676-683.	4.6	12
79	Nonlinear impairments in extremely dense WDM systems. IEEE Photonics Technology Letters, 2002, 14, 804-806.	2.5	11
80	10-Gb/s Long-Reach PON System With Low-Complexity Dispersion-Managed Coherent Receiver. IEEE Photonics Journal, 2015, 7, 1-8.	2.0	11
81	Theoretical Evidence of Dynamical Limitations in Practical Single-Stage PMD Compensators. IEEE Photonics Technology Letters, 2004, 16, 1843-1845.	2.5	10
82	Demonstrating a hybrid radio-over-fibre and visible light communication system. Electronics Letters, 2011, 47, 1136.	1.0	10
83	Bi-directional 400 Mbit/s LED-based Optical Wireless communication for Non-directed Line-of-Sight Transmission. , 2014, , .		10
84	Talbot Assisted Pattern Formation in a Liquid Crystal Film with Single Feedback Mirror. Molecular Crystals and Liquid Crystals, 1994, 251, 127-143.	0.3	9
85	System penalties due to polarisation mode dispersion of chirped gratings. , 0, , .		9
86	Impairments due to the interplay between node crosstalk and nonlinear propagation in all optical transport networks. IEEE Photonics Technology Letters, 1999, 11, 563-565.	2.5	9
87	Experimental assessment of node crosstalk limitations enhanced by nonlinear effects in all optical transport networks. IEEE Photonics Technology Letters, 1999, 11, 751-753.	2.5	9
88	Single Feeder Bidirectional WDM-PON with Enhanced Resilience to Rayleigh-Backscattering. , 2010, , .		9
89	Optical vs. Electrical Duobinary Coding for 25 Gb/s PONs based on DSP-free Coherent Envelope Detection. , 2018, , .		9
90	All-optical header recogniser for pure DPSK optical packets. Electronics Letters, 2004, 40, 1502.	1.0	8

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91	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
92	VLC-signals distribution over GI-POF for in-home wireless networks. , 2012, , .		8
93	A 1.25 Gb/s Low-Cost Coherent PON. , 2013, , .		8
94	Diffuse IR-optical wireless system demonstration for mobile patient monitoring in hospitals. , 2013, , .		8
95	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
96	A novel 40 Gb/s NRZ all-optical clock recovery. , 2005, , .		7
97	System performance using different types of in-line optical regenerators. Journal of Lightwave Technology, 2006, 24, 3727-3733.	4.6	7
98	Demonstrating frequency-periodic Gaussian filtering for WDM-DPSK detection. , 2006, , .		7
99	320 Gbit/s (8Ã—40 Gbit/s) double-pass terrestrial free-space optical link transparently connected to optical fibre lines. , 2008, , .		7
100	Hybrid Radio over Fiber and Visible Light (RoF-VLC) Communication System. , 2011, , .		7
101	6.25Gb/s differential duobinary transmission in 2GHz BW limited direct phase modulated DFB for udWDM-PONs. , 2014, , .		7
102	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
103	Modelization and Characterization of a CMOS Camera as an Optical Real-Time Oscilloscope. IEEE Photonics Journal, 2020, 12, 1-13.	2.0	7
104	Hexagonal beam filamentation in a liquid crystal film with single feedback mirror. Chaos, Solitons and Fractals, 1994, 4, 1355-1367.	5.1	6
105	Origin and System Effects of Polarization Mode Dispersion in Chirped Bragg Gratings. Fiber and Integrated Optics, 2000, 19, 295-309.	2.5	6
106	All-optical header processing system based on time-to-wavelength conversion for pure DPSK packets. Electronics Letters, 2005, 41, 865.	1.0	6
107	All-optical label processorâ€™erasure for label swapping of 12.5â€Gbitâ€™s spectrally separated bit-serial DPSK label and payload. Electronics Letters, 2005, 41, 541.	1.0	6
108	Compact header processing circuit for optical DPSK packets. Electronics Letters, 2006, 42, 871.	1.0	6

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109	Field-trial of SOA-based WDM-DPSK 8Å—10â€…Gbit/s system over 300â€…km with conventional amplification span. Electronics Letters, 2007, 43, 404.	1.0	6
110	All-Optical Asynchronous Serial-to-Parallel Converter Circuit for DPSK Optical Packets. IEEE Photonics Technology Letters, 2007, 19, 783-785.	2.5	6
111	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
112	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
113	2R Optical Regeneration combining XGC in a SOA and a Saturable Absorber. , 2008, , .		6
114	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
115	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
116	Electrical filter-based and low-complexity DPSK coherent optical receiver. Optics Letters, 2014, 39, 6301.	3.3	6
117	Coherent PON system with high-sensitivity polarization-independent receiver and no ADC/DSP. , 2015, , .		6
118	Remote light source for silicon photonic transceivers in mobile fronthaul applications. Electronics Letters, 2015, 51, 355-357.	1.0	6
119	COCONUT cost, power consumption and migration analysis: A route towards NG-PON3. , 2015, , .		6
120	TOWS: Introducing Optical Wireless for Satellites. , 2019, , .		6
121	Observation of nonhexagonal laserâ€œbeam patterning in a thin liquid crystal cell in front of a single feedback mirror. Applied Physics Letters, 1994, 64, 3080-3082.	3.3	5
122	Bidirectional WDM-DPSK transmission by using SOAs. IEEE Photonics Technology Letters, 2006, 18, 1762-1764.	2.5	5
123	A novel line coding pair for fully passive long reach WDM-PONs. , 2008, , .		5
124	Impact of modulation formats on ONU energy saving. , 2010, , .		5
125	COCONUT requirements for residential, business and outdoor scenarios. , 2013, , .		5
126	WDM-PON based on Self-Seeded OLT and Wavelength Reuse at ONU. , 2013, , .		5

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127	Detecting WDM visible light signals by a single multi-color photodiode with MIMO processing. Optics Letters, 2020, 45, 1160.	3.3	5
128	Sea-trial of an Ethernet-based Underwater VLC Communication System. , 2018, , .		5
129	Transporting MIL-STD-1553 Signals by Means of Optical Wireless Interfaces. IEEE Photonics Journal, 2022, 14, 1-8.	2.0	5
130	A highly effective technique for setting the power preemphasis in WDM optical systems. Journal of Lightwave Technology, 2006, 24, 342-356.	4.6	4
131	Experimental Characterization of SOA-Based Wavelength Converters for DPSK Signals. , 2006, , .		4
132	DPSK Packet-Level Power Equalization by means of Nonlinear Polarization Rotation in an SOA. , 2007, , .		4
133	40 Gb/s Wavelength Preserving 2R Regeneration for both RZ and NRZ Signals. , 2008, , .		4
134	Adaptive antenna system for OFDMA WiMAX radio-over-fiber links using a directly modulated R-SOA and optical filtering. , 2009, , .		4
135	Transparency of FWM in SOAs to Phase/Amplitude and Polarization. , 2009, , .		4
136	BER Estimation for Performance Monitoring in High-Speed Digital Optical Signals. Journal of Lightwave Technology, 2012, 30, 2117-2124.	4.6	4
137	Non-Directed Line-of-Sight Visible Light System providing High-Speed and Robustness to Ambient Light. , 2013, , .		4
138	Low cost coherent receivers for UD-WDM NRZ systems in access networks. , 2014, , .		4
139	OptoCOMM: Development and experimentation of a new optical wireless underwater modem. , 2016, , .		4
140	Experimental demonstration of an optical wireless MRI compatible PET/SPECT insert front-end. , 2016, , .		4
141	Ethernet over commercial lighting by a Visible Light Communication. , 2018, , .		4
142	25 Gb/s Operation of 1-GHz Bandwidth R-SOA by using DMT and Optical Equalization. , 2013, , .		4
143	Effect of non-uniform chromatic dispersion of fibre link in determining system limitations due to four wave mixing. Electronics Letters, 1998, 34, 202.	1.0	3
144	Simultaneous multi-wavelength conversion by double stage XGM in SOAs. , 2005, , .		3

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145	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
146	Effective Approach to Estimate Optical System Performance From Numerical Simulations. IEEE Photonics Technology Letters, 2008, 20, 1703-1705.	2.5	3
147	Carrier class availability in a transparent 1.25 Gb/s free space optical communication link over 320 m. , 2012, , .		3
148	Self-seeding of semiconductor lasers for next-generation WDM Passive Optical Networks. , 2013, , .		3
149	RoF using optically equalized RSOA WDM-PON architecture. , 2014, , .		3
150	Indoor High-speed optical wireless communications: Recent developments. , 2014, , .		3
151	Low-Cost 6.25 GHz UDWDM-PON based on Direct Intensity-Modulated Transmitters. , 2015, , .		3
152	Ultra-dense WDM access network field trial. , 2016, , .		3
153	VCSEL-Based 24 Gbit/s OWC Board-to-Board System. IEEE Communications Letters, 2019, 23, 1564-1567.	4.1	3
154	PBS-Free Polarization-Independent PON Coherent Receiver. IEEE Photonics Technology Letters, 2020, 32, 1361-1364.	2.5	3
155	Enhanced 10-Gb/s Operation of Bandwidth-Limited R-SOAs Without Electronic Equalization. , 2012, , .		3
156	PMD-induced impairments in polarization-interleaved WDM systems. IEEE Photonics Technology Letters, 2003, 15, 227-229.	2.5	2
157	A fiber-based 1:6 WDM multicast converter at 10 Gbit/s. Optics Communications, 2004, 241, 499-502.	2.1	2
158	All-optical header processor for DPSK optical packets. , 0, , .		2
159	Effective suppression of transient-induced impairments in transparent optical networks. IEEE Photonics Technology Letters, 2005, 17, 2487-2489.	2.5	2
160	Symmetric 10 Gb/s WDM-PON based on a cross wavelength-reusing scheme to avoid rayleigh backscattering and maximize band usage. , 2009, , .		2
161	Effective all-optical RZ-to-NRZ conversion for transparent network gateways. , 2009, , .		2
162	Reduction of the influence of optical interferometric crosstalk noise in a WDM-PON system with a reflective semiconductor optical amplifier: An overview. , 2010, , .		2

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163	DGD monitoring issues in high-speed polarisation multiplexed coherent QPSK systems. Electronics Letters, 2012, 48, 446.	1.0	2
164	Simple and low cost 10 Gb/s coherent transmission for long reach PON. , 2014, , .		2
165	Low cost solutions implementing ultra-dense-WDM in access. , 2014, , .		2
166	High speed optical wireless data transmission system for particle sensors in high energy physics. Journal of Instrumentation, 2015, 10, C08003-C08003.	1.2	2
167	4Å–10 Gb/s coherent WDM-PON system over 110 km of Single Mode Fibre and with 55 dB ODN power budget. , 2016, , .		2
168	Hitless wavelength assignment in filterless optical access networks. , 2016, , .		2
169	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
170	Migration towards High Speed Optical Access Enabled by WDM Techniques. , 2009, , .		2
171	Bidirectional Coherent PON with ONU Based on Reused Direct-Modulated LO. , 2016, , .		2
172	4Å–10 Gb/s Coherent WDM-PON System over 110 km Single Mode Fibre and with 55 dB ODN Power Budget. , 2016, , .		2
173	Hitless Dynamic Wavelength Allocation in Coherent WDM-PONs. , 2016, , .		2
174	Zero-phonon lines in the R2 absorption of F3 centres in KF. Solid State Communications, 1991, 79, 201-204.	1.9	1
175	High power, multiwavelength 40 GHz pulse source for WDMâ€™OTDM applications. Optics Communications, 2004, 233, 359-362.	2.1	1
176	Versatile All-Optical Clock Recovery Circuit for OOK and DPSK Modulated Data Traffic. , 2006, , .		1
177	Parameters affecting the performance of WDM-DPSK systems based on SOA amplifiers. , 2007, , .		1
178	In-Field WDM-DPSK 8Å–10 Gb/s Transmission over 300 km using Four Common SOAs. , 2007, , .		1
179	Stabilizing PMD Compensators by Means of Polarization Dithering. IEEE Photonics Technology Letters, 2007, 19, 1892-1894.	2.5	1
180	All-optical delay technique for supporting multiple antennas in a hybrid optical - wireless transmission system. , 2008, , .		1

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181	40 Gb/s WDM NRZ-DPSK All-Optical Clock Recovery and Data Demodulation based on a Periodic Bragg Filter. , 2008, , .		1
182	A full-duplex symmetric WDM-PON featuring OSSB downlink modulation with optical down-conversion. , 2008, , .		1
183	Modulation Format Transparent Subcarrier reuse by Feed Forward Current Injection in a Reflective SOA. , 2009, , .		1
184	Highly improved uplink transmission in bidirectional PONs by using a RZ direct-modulated R-SOA. , 2010, , .		1
185	Flexible radio-over-fibre signal distribution in in-building networks based on modulated ASE noise. , 2010, , .		1
186	High-power budget OFDM-PON compatible with ultra-narrow channel spacing. , 2014, , .		1
187	1.4 mA (70 mV) Peak-to-Peak Drive of 1.25 Gb/s Frequency Modulated Laser for WDM Coherent Access Networks. , 2015, , .		1
188	Simple and effective solutions for low-cost coherent WDM-PON. , 2015, , .		1
189	Demonstrating practical indoor LTE-over-optical wireless. , 2016, , .		1
190	Real-Time Gigabit-Ethernet Transmission over Optical Wireless Using Off-the-Shelf Components. , 2017, , .		1
191	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
192	Optical Wireless Systems for High Energy Physics: Design and Characterization. , 2019, , .		1
193	100 Gb/s (4×10^9) Tj ETQq1 1 0.784314 rgBT modulated integrated transmitter and DSP-free coherent detection. Optics Communications, 2021, 486, 126779.	2.1	1
194	Achievements and Future Prospects of Wavelength Conversion and All-Optical Regeneration. , 2011, , .		1
195	8b10b Line Coding of PSK Signals for Effective Homodyne Coherent Detection. , 2011, , .		1
196	A Novel Photonic Integrated Regenerator. , 2013, , .		1
197	230 Mbit/s Real-Time Optical Wireless Transmission in Non-Directed Line-Of-Sight Configuration. , 2018, , .		1
198	Prospects of Visible Light Communications in Satellites. , 2020, , .		1

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199	Zero-phonon lines in e-irradiated KCl:TI. Solid State Communications, 1992, 82, 493-496.	1.9	0
200	Transverse Patterns in a Nonlinear Cell with Single Mirror Feedback. Optics and Photonics News, 1994, 5, 31.	0.5	0
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