

Andrew D Ellis

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	All-optical phase and amplitude regenerator for next-generation telecommunications systems. <i>Nature Photonics</i> , 2010, 4, 690-695.	15.6	595
2	Nonlinear Optics for High-Speed Digital Information Processing. <i>Science</i> , 1999, 286, 1523-1528.	6.0	542
3	Spectral density enhancement using coherent WDM. <i>IEEE Photonics Technology Letters</i> , 2005, 17, 504-506.	1.3	213
4	737 Tb/s (96 x 3 x 256-Gb/s) mode-division-multiplexed DP-16QAM transmission with inline MM-EDFA. <i>Optics Express</i> , 2012, 20, B428.	1.7	156
5	Rectangular pulse generation based on pulse reshaping using a superstructured fiber Bragg grating. <i>Journal of Lightwave Technology</i> , 2001, 19, 746-752.	2.7	142
6	Performance limits in optical communications due to fiber nonlinearity. <i>Advances in Optics and Photonics</i> , 2017, 9, 429.	12.1	139
7	Injection locking-based pump recovery for phase-sensitive amplified links. <i>Optics Express</i> , 2013, 21, 14512.	1.7	134
8	Compensation of intra-channel nonlinear fibre impairments using simplified digital back-propagation algorithm. <i>Optics Express</i> , 2011, 19, 9453.	1.7	124
9	Demonstration of amplified data transmission at 2 μm in a low-loss wide bandwidth hollow core photonic bandgap fiber. <i>Optics Express</i> , 2013, 21, 28559.	1.7	112
10	Multi-wavelength source using low drive-voltage amplitude modulators for optical communications. <i>Optics Express</i> , 2007, 15, 2981.	1.7	106
11	Error free 100 Gbit/s wavelength conversion using grating assisted cross-gain modulation in 2 mm long semiconductor amplifier. <i>Electronics Letters</i> , 1998, 34, 1958.	0.5	103
12	Impact of signal-ASE four-wave mixing on the effectiveness of digital back-propagation in 112 Gb/s PM-QPSK systems. <i>Optics Express</i> , 2011, 19, 3449.	1.7	100
13	Stabilising er fibre soliton laser with pulse phase locking. <i>Electronics Letters</i> , 1992, 28, 182.	0.5	99
14	4 Tb/s Transmission Reach Enhancement Using 10 μm 400 Gb/s Super-Channels and Polarization Insensitive Dual Band Optical Phase Conjugation. <i>Journal of Lightwave Technology</i> , 2016, 34, 1717-1723.	2.7	89
15	Three-node, 40 Gbit/s OTDM network experiment using eletro-optic switches. <i>Electronics Letters</i> , 1994, 30, 1333-1334.	0.5	88
16	Digital back-propagation for spectrally efficient WDM 112 Gbit/s PM m-ary QAM transmission. <i>Optics Express</i> , 2011, 19, 5219.	1.7	86
17	40 Gbit/s transmission over 406 km of NDSF using mid-span spectral inversion by four-wave-mixing in a 2 mm long semiconductor optical amplifier. <i>Electronics Letters</i> , 1997, 33, 879.	0.5	76
18	80 Gbit/s all-optical regenerative wavelength conversion using semiconductor optical amplifier based interferometer. <i>Electronics Letters</i> , 1999, 35, 1477.	0.5	73

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19	Fiber nonlinearity-induced penalty reduction in CO-OFDM by ANN-based nonlinear equalization. Optics Letters, 2015, 40, 5113.	1.7	73
20	Novel real-time homodyne coherent receiver using a feed-forward based carrier extraction scheme for phase modulated signals. Optics Express, 2011, 19, 8320.	1.7	67
21	Electronic Impairment Mitigation in Optically Multiplexed Multicarrier Systems. Journal of Lightwave Technology, 2011, 29, 278-290.	2.7	66
22	Capacity limits of systems employing multiple optical phase conjugators. Optics Express, 2015, 23, 20381.	1.7	64
23	1.6 ps pulse generation at 40 GHz in phaselocked ring laser incorporating highly nonlinear fibre for application to 160 Gbit/s OTDM networks. Electronics Letters, 1999, 35, 645.	0.5	62
24	Ultra-high-speed OTDM networks using semiconductor amplifier-based processing nodes. Journal of Lightwave Technology, 1995, 13, 761-770.	2.7	61
25	Offset-QAM based coherent WDM for spectral efficiency enhancement. Optics Express, 2011, 19, 14617.	1.7	55
26	Demonstration of Nonlinear Inverse Synthesis Transmission Over Transoceanic Distances. Journal of Lightwave Technology, 2016, 34, 2459-2466.	2.7	54
27	100 Gbit/s wavelength conversion using FWM in an MQW semiconductor optical amplifier. Electronics Letters, 1998, 34, 1955.	0.5	52
28	Active stabilisation of single drive dual-parallel Mach-Zehnder modulator for single sideband signal generation. Electronics Letters, 2013, 49, 135-136.	0.5	50
29	Transmission of a true single polarisation 40 Gbit/s soliton data signal over 205 km using a stabilised erbium fibre ring laser and 40 GHz electronic timing recovery. Electronics Letters, 1993, 29, 990-992.	0.5	48
30	Unrepeated transmission over 80 km standard fibre at 40 Gbit/s. Electronics Letters, 1994, 30, 72-74.	0.5	48
31	40 Gbit/s transmission over 202 km of standard fibre using midspan spectral inversion. Electronics Letters, 1995, 31, 299-301.	0.5	48
32	Recirculating loop demonstration of 40 Gbit/s all-optical 3R data regeneration using a semiconductor nonlinear interferometer. Electronics Letters, 1999, 35, 230.	0.5	47
33	Volterra-Based Reconfigurable Nonlinear Equalizer for Coherent OFDM. IEEE Photonics Technology Letters, 2014, 26, 1383-1386.	1.3	46
34	Full 10 Å– 10 Gbit/s OTDM data generation and demultiplexing using electroabsorption modulators. Electronics Letters, 1998, 34, 1766.	0.5	44
35	Tackling Africa's digital divide. Nature Photonics, 2018, 12, 249-252.	15.6	44
36	Demultiplexing using polarisation rotation in a semiconductor laser amplifier. Electronics Letters, 1994, 30, 341-342.	0.5	42

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37	Digital Fiber Nonlinearity Compensation: Toward 1-Tb/s transport. IEEE Signal Processing Magazine, 2014, 31, 46-56.	4.6	41
38	10 cm chirped fibre Bragg grating for dispersion compensation at 10 Gbit/s over 400 km of non-dispersion shifted fibre. Electronics Letters, 1995, 31, 2203-2204.	0.5	40
39	Progress in Multichannel All-Optical Regeneration Based on Fiber Technology. IEEE Journal of Selected Topics in Quantum Electronics, 2012, 18, 689-700.	1.9	40
40	Quasi-Pilot Aided Phase Noise Estimation for Coherent Optical OFDM Systems. IEEE Photonics Technology Letters, 2014, 26, 504-507.	1.3	40
41	80 Gbit/s OTDM using electroabsorption modulators. Electronics Letters, 1998, 34, 101.	0.5	39
42	40-Gbaud 16-QAM transmitter using tandem IQ modulators with binary driving electronic signals. Optics Express, 2010, 18, 23062.	1.7	39
43	Symbol Synchronization Exploiting the Symmetric Property in Optical Fast OFDM. IEEE Photonics Technology Letters, 2011, 23, 594-596.	1.3	39
44	10- μ m visible light transmission system using a polymer light-emitting diode with orthogonal frequency division multiplexing. Optics Letters, 2014, 39, 3876.	1.7	39
45	Semi-Analytical Modelling of Linear Mode Coupling in Few-Mode Fibers. Journal of Lightwave Technology, 2017, 35, 4011-4022.	2.7	39
46	Simultaneous demultiplexing, data regeneration, and clock recovery with a single semiconductor optical amplifier-based nonlinear-optical loop mirror. Optics Letters, 1997, 22, 1326.	1.7	38
47	Optical 3R regenerator for 40 Gbit/s networks. Electronics Letters, 1999, 35, 2047.	0.5	37
48	Optical Frequency Comb Generation Using Dual-Mode Injection-Locking of Quantum-Dash Mode-Locked Lasers: Properties and Applications. IEEE Journal of Quantum Electronics, 2012, 48, 1327-1338.	1.0	37
49	Transparent Dielectric Metasurfaces for Spatial Mode Multiplexing. Laser and Photonics Reviews, 2018, 12, 1800031.	4.4	37
50	Reduction of Nonlinear Intersubcarrier Intermixing in Coherent Optical OFDM by a Fast Newton-Based Support Vector Machine Nonlinear Equalizer. Journal of Lightwave Technology, 2017, 35, 2391-2397.	2.7	36
51	Demonstration of Phase-Conjugated Subcarrier Coding for Fiber Nonlinearity Compensation in CO-OFDM Transmission. Journal of Lightwave Technology, 2015, 33, 2206-2212.	2.7	35
52	Comparison of DSP-based nonlinear equalizers for intra-channel nonlinearity compensation in coherent optical OFDM. Optics Letters, 2016, 41, 2509.	1.7	35
53	Generation of 6.3 ps optical pulses at a 10 GHz repetition rate using a packaged electroabsorption modulator and dispersion compensating fibre. Electronics Letters, 1994, 30, 1700-1701.	0.5	34
54	Asynchronous digital optical regeneration and networks. Journal of Lightwave Technology, 1998, 16, 2068-2080.	2.7	34

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55	Phase discrimination and simultaneous frequency conversion of the orthogonal components of an optical signal by four-wave mixing in an SOA. <i>Optics Express</i> , 2011, 19, 20015.	1.7	34
56	Blind Phase Noise Estimation for CO-OFDM Transmissions. <i>Journal of Lightwave Technology</i> , 2016, 34, 745-753.	2.7	34
57	Error free operation of a 40 Gbit/s all-optical regenerator. <i>Electronics Letters</i> , 1996, 32, 567.	0.5	33
58	Expressions for the nonlinear transmission performance of multi-mode optical fiber. <i>Optics Express</i> , 2013, 21, 22834.	1.7	33
59	A practical phase sensitive amplification scheme for two channel phase regeneration. <i>Optics Express</i> , 2011, 19, B938.	1.7	32
60	Soliton shepherding: All-optical active soliton control over global distances. <i>Electronics Letters</i> , 1994, 30, 990-991.	0.5	31
61	Four WDM channel NRZ to RZ format conversion using a single semiconductor laser amplifier. <i>Electronics Letters</i> , 1995, 31, 277-278.	0.5	31
62	Drop and insert multiplexing with simultaneous clock recovery using an electroabsorption modulator. <i>IEEE Photonics Technology Letters</i> , 1998, 10, 291-293.	1.3	31
63	Rayleigh noise mitigation in DWDM LR-PONs using carrier suppressed subcarrier-amplitude modulated phase shift keying. <i>Optics Express</i> , 2008, 16, 1860.	1.7	31
64	Various Nonlinearity Mitigation Techniques Employing Optical and Electronic Approaches. <i>IEEE Photonics Technology Letters</i> , 2011, 23, 1838-1840.	1.3	31
65	40 Gbit/s all-optical data regeneration and demultiplexing with long pattern lengths using a semiconductor nonlinear interferometer. <i>Electronics Letters</i> , 1998, 34, 2340.	0.5	30
66	Advantage of Optical Fast OFDM Over OFDM in Residual Frequency Offset Compensation. <i>IEEE Photonics Technology Letters</i> , 2012, 24, 2284-2287.	1.3	29
67	Dispersion tolerance of coherent WDM. <i>IEEE Photonics Technology Letters</i> , 2006, 18, 1338-1340.	1.3	27
68	DPSK Signal Regeneration With a Dual-Pump Nondegenerate Phase-Sensitive Amplifier. <i>IEEE Photonics Technology Letters</i> , 2011, 23, 516-518.	1.3	27
69	Experimental Implementation of an All-Optical Interferometric Drop, Add, and Extract Multiplexer for Superchannels. <i>Journal of Lightwave Technology</i> , 2015, 33, 1351-1357.	2.7	27
70	40 GHz optical-millimetre wave generation with a dual polarisation distributed feedback fibre laser. <i>Electronics Letters</i> , 1997, 33, 594.	0.5	26
71	A Multiwavelength Low-Power Wavelength-Locked Slotted Fabry-Pérot Laser Source for WDM Applications. <i>IEEE Photonics Technology Letters</i> , 2007, 19, 744-746.	1.3	26
72	Experimental comparison of coherent polarization-switched QPSK to polarization-multiplexed QPSK for 10 Å— 100 km WDM transmission. <i>Optics Express</i> , 2011, 19, 10849.	1.7	26

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73	Transmission of 4-ASK Optical Fast OFDM With Chromatic Dispersion Compensation. IEEE Photonics Technology Letters, 2012, 24, 34-36.	1.3	26
74	Regenerative Fourier transformation for dual-quadrature regeneration of multilevel rectangular QAM. Optics Letters, 2015, 40, 3117.	1.7	26
75	PMD tolerant nonlinear compensation using in-line phase conjugation. Optics Express, 2016, 24, 3385.	1.7	26
76	Generation of frequency symmetric signals from a BPSK input for Phase Sensitive Amplification. , 2010, , .		25
77	A 20-Mb/s VLC Link With a Polymer LED and a Multilayer Perceptron Equalizer. IEEE Photonics Technology Letters, 2014, 26, 1975-1978.	1.3	25
78	Phase shift keyed systems based on a gain switched laser transmitter. Optics Express, 2009, 17, 12668.	1.7	24
79	Phase-Conjugated Pilots for Fibre Nonlinearity Compensation in CO-OFDM Transmission. Journal of Lightwave Technology, 2015, 33, 1308-1314.	2.7	24
80	Analysis of the nonlinear Kerr effects in optical transmission systems that deploy optical phase conjugation. Optics Express, 2018, 26, 3145.	1.7	24
81	10 Gbit/s all-optical regenerative memory using single SOA-based logic gate. Electronics Letters, 1999, 35, 158.	0.5	24
82	Unrepeated field transmission of 2 Tbit/s multi-banded coherent WDM over 124 km of installed SMF. Optics Express, 2010, 18, 24745.	1.7	23
83	Effect of second order signal-noise interactions in nonlinearity compensated optical transmission systems. Optics Letters, 2016, 41, 1849.	1.7	23
84	Nonlinearity compensation using optical phase conjugation deployed in discretely amplified transmission systems. Optics Express, 2018, 26, 23945.	1.7	23
85	100 Gbit/s optical clock recovery using electrical phase-locked loop consisting of commercially available components. Electronics Letters, 2000, 36, 650.	0.5	22
86	Nonlinear and ROADM induced penalties in 28 Gbaud dynamic optical mesh networks employing electronic signal processing. Optics Express, 2011, 19, 16739.	1.7	22
87	5 Gbit/s soliton propagation over 350 km with large periodic dispersion coefficient perturbations using erbium doped fibre amplifier repeaters. Electronics Letters, 1991, 27, 878-880.	0.5	21
88	Dual-polarization multi-band optical OFDM transmission and transceiver limitations for up to 500 Gb/s uncompensated long-haul links. Optics Express, 2014, 22, 10975.	1.7	20
89	Nonlinear Performance of Few-Mode Fiber Links With Intermediate Coupling. Journal of Lightwave Technology, 2019, 37, 989-999.	2.7	20
90	Low polarisation sensitivity electroabsorption modulators for 160 Gbit/s networks. Electronics Letters, 1997, 33, 2068.	0.5	20

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91	OTDM applications of dispersion-imbalanced fibre loop mirror. Electronics Letters, 1999, 35, 1183.	0.5	19
92	Towards a Practical Implementation of Coherent WDM: Analytical, Numerical, and Experimental Studies. IEEE Photonics Journal, 2010, 2, 833-847.	1.0	19
93	Data driven operation of semiconductor amplifier loop mirror at 40 Gbit/s. Electronics Letters, 1995, 31, 1245-1247.	0.5	18
94	40 Gbit/s error free transmission over a 68 km distributed erbium doped fibre amplifier. Electronics Letters, 1996, 32, 233.	0.5	18
95	Periodically amplified system based on loss compensating dispersion decreasing fibre. Electronics Letters, 1996, 32, 373.	0.5	18
96	All-optical clock division at 40 GHz using semiconductor optical amplifier based nonlinear interferometer. Electronics Letters, 1999, 35, 827.	0.5	18
97	Experimental and Theoretical Investigations of Intensity-Modulation and Direct-Detection Optical Fast-OFDM over MMF-links. IEEE Photonics Technology Letters, 2011, , .	1.3	18
98	All-Analogue Real-Time Broadband Filter Bank Multicarrier Optical Communications System. Journal of Lightwave Technology, 2015, 33, 5073-5083.	2.7	18
99	Impact of Optical Phase Conjugation on the Nonlinear Shannon Limit. Journal of Lightwave Technology, 2017, 35, 792-798.	2.7	18
100	Experimental demonstration of 72% reach enhancement of 36Tbps optical transmission system using mid-link optical phase conjugation. Optics Express, 2018, 26, 23960.	1.7	18
101	20 Gbit/s soliton transmission over 125 Mm. Electronics Letters, 1994, 30, 1866-1868.	0.5	17
102	1000 km transmission of 40 Gbit/s single channel RZ data over dispersion managed standard (non-dispersion shifted) fibre. Electronics Letters, 1999, 35, 823.	0.5	17
103	Nonlinear Penalties in Dynamic Optical Networks Employing Autonomous Transponders. IEEE Photonics Technology Letters, 2011, 23, 1213-1215.	1.3	17
104	Experimental Analysis of Nonlinear Impairments in Fibre Optic Transmission Systems up to 7.3 THz. Journal of Lightwave Technology, 2017, 35, 4809-4816.	2.7	17
105	QPSK 3R regenerator using a phase sensitive amplifier. Optics Express, 2016, 24, 16649.	1.7	16
106	Combating Fiber Nonlinearity Using Dual-Order Raman Amplification and OPC. IEEE Photonics Technology Letters, 2019, 31, 877-880.	1.3	16
107	Coupled Transceiver-Fiber Nonlinearity Compensation Based on Machine Learning for Probabilistic Shaping System. Journal of Lightwave Technology, 2021, 39, 388-399.	2.7	16
108	Multiquantum well electroabsorption modulators for 80 Gbit/s OTDM systems. Electronics Letters, 1995, 31, 1370-1371.	0.5	16

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109	An optical fibre rereadable radiation dosimeter for use at high doses and at elevated temperature. Journal Physics D: Applied Physics, 1989, 22, 1758-1762.	1.3	15
110	Electronic dispersion compensation using full optical-field reconstruction in 10Gbit/s OOK based systems. Optics Express, 2008, 16, 15353.	1.7	15
111	Discrete-Fourier transform based implementation for optical fast OFDM. , 2010, , .		15
112	Nonlinear penalties in long-haul optical networks employing dynamic transponders. Optics Express, 2011, 19, 9044.	1.7	15
113	Nonlinearity compensation in multi-rate 28 Gbaud WDM systems employing optical and digital techniques under diverse link configurations. Optics Express, 2011, 19, 16919.	1.7	15
114	Impact of Linear Mode Coupling on the Group Delay Spread in Few-Mode Fibers. , 2015, , .		15
115	10 Gbit/s all-optical regenerator. Electronics Letters, 1995, 31, 1587-1588.	0.5	14
116	Asynchronous Digital Optical Regenerator for 4 Å– 40 Gbit/s WDM to 160 Gbit/s OTDM Conversion. Optics Express, 2007, 15, 8507.	1.7	14
117	Field Experiments With a Grooming Switch for OTDM Meshed Networking. Journal of Lightwave Technology, 2010, 28, 316-327.	2.7	14
118	Optical Burst-Switched SSB-OFDM Using a Fast Switching SG-DBR Laser. Journal of Optical Communications and Networking, 2013, 5, 994.	3.3	14
119	Minimising total energy requirements in amplified links by optimising amplifier spacing. Optics Express, 2014, 22, 19810.	1.7	14
120	Overcoming degradation in spatial multiplexing systems with stochastic nonlinear impairments. Scientific Reports, 2018, 8, 17539.	1.6	14
121	All-optical phase regeneration of 40Gbit/s DPSK signals in a black-box phase sensitive amplifier. , 2010, , .		14
122	Dispersion compensation in 450 km transmission system employing standard fibre. Electronics Letters, 1992, 28, 954-955.	0.5	13
123	Integration of a 3D hydrogel matrix within a hollow core photonic crystal fibre for DNA probe immobilization. Measurement Science and Technology, 2010, 21, 094016.	1.4	13
124	Advantages of Strong Mode Coupling for Suppression of Nonlinear Distortion in Few-Mode Fibers. , 2016, , .		13
125	10 Gbit/s, 138 km uncompensated duobinary transmission over installed standard fibre. Electronics Letters, 1994, 30, 1953-1954.	0.5	12
126	Optical grooming switch with regenerative functionality for transparent interconnection of networks. Optics Express, 2009, 17, 15173.	1.7	12

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127	WDM Orthogonal Subcarrier Multiplexing. Journal of Lightwave Technology, 2016, 34, 1815-1823.	2.7	12
128	Regenerative 20 Gbit/s wavelength conversion and demultiplexing using a semiconductor laser amplifier nonlinear loop mirror. Electronics Letters, 1995, 31, 1000-1001.	0.5	11
129	Very simple method to stabilise modelocked erbium fibre lasers. Electronics Letters, 1996, 32, 1015.	0.5	11
130	Simultaneous demultiplexing and clock recovery using a single electroabsorption modulator in a novel bi-directional configuration. Optics Communications, 1998, 150, 101-105.	1.0	11
131	10-Gb/s asynchronous digital optical regenerator. IEEE Photonics Technology Letters, 1999, 11, 892-894.	1.3	11
132	Low cost comb source in a coherent wavelength division multiplexed system. , 2010, , .		11
133	Timing and phase jitter suppression in coherent soliton transmission. Optics Letters, 2014, 39, 6308.	1.7	11
134	Optimum Bias Point in Broadband Subcarrier Multiplexing With Optical IQ Modulators. Journal of Lightwave Technology, 2015, 33, 258-266.	2.7	11
135	All laser diode compression of 5 GHz picosecond pulses using cross-phase modulation in optical fibre. Electronics Letters, 1993, 29, 149.	0.5	10
136	WDM signal regeneration using a single alloptical device. Optics Express, 2007, 15, 11492.	1.7	10
137	Phase synchronization scheme for a practical phase sensitive amplifier of ASK-NRZ signals. Optics Express, 2011, 19, 12384.	1.7	10
138	Optimal packing for cascaded regenerative transmission based on phase sensitive amplifiers. Optics Express, 2013, 21, 31201.	1.7	10
139	Enabling transparent technologies for the development of highly granular flexible optical cross-connects. , 2014, , .		10
140	Enhanced Self-Coherent OFDM by the Use of Injection Locked Laser. , 2012, , .		10
141	Distributed Raman Amplification for Fiber Nonlinearity Compensation in a Mid-Link Optical Phase Conjugation System. Sensors, 2022, 22, 758.	2.1	10
142	Demonstration of 10-channel mode- and polarization-division multiplexed free-space optical transmission with successive interference cancellation DSP. Optics Letters, 2022, 47, 2742.	1.7	10
143	Comparison of WDM coupler technologies for use in erbium doped fibre amplifier systems. Electronics Letters, 1990, 26, 900.	0.5	9
144	All-optical modulation of 40 GHz beat frequency conversion soliton source. Electronics Letters, 1995, 31, 1362-1364.	0.5	9

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145	Time-division-multiplexing using pulse position locking for 100 Gb/s applications. Optics Express, 2009, 17, 6562.	1.7	9
146	Few-mode fibre group-delays with intermediate coupling. , 2015, , .		9
147	690 node global OTDM network demonstration. Electronics Letters, 1995, 31, 1171.	0.5	8
148	Impact of Raman Amplification on a 2-Tb/s Coherent WDM System. IEEE Photonics Technology Letters, 2011, 23, 959-961.	1.3	8
149	Polarization multiplexed 16QAM transmission employing modified digital back-propagation. Optics Express, 2011, 19, B805.	1.7	8
150	Impact of Band Rejection in Multichannel Broadband Subcarrier Multiplexing. Journal of Optical Communications and Networking, 2015, 7, 248.	3.3	8
151	10 Gbit/s data switched semiconductor laser amplifier nonlinear loop mirror. Electronics Letters, 1995, 31, 111-112.	0.5	8
152	Optical-TDMA channel selection using electroabsorption modulator with dual frequency drive. Electronics Letters, 1997, 33, 22.	0.5	8
153	Single-wavelength transmission at 1.1-Tbit/s net data rate over a multi-modal free-space optical link using commercial devices. Optics Letters, 2022, 47, 3495.	1.7	8
154	Demonstration of 205 km transmission of 35 GHz, 5 ps pulses generated from a diode-driven, low-jitter, beat-signal to soliton train conversion source. Electronics Letters, 1995, 31, 470-472.	0.5	7
155	Simultaneous two-channel OTDM demultiplexing using a single electroabsorption modulator in a novel bi-directional configuration. Electronics Letters, 1997, 33, 1811.	0.5	7
156	Serial OTDM for 100 Gbit-Ethernet applications. Electronics Letters, 2006, 42, 485.	0.5	7
157	Optical interconnection of core and metro networks [Invited]. Journal of Optical Networking, 2008, 7, 928.	2.5	7
158	TDM-to-WDM conversion from 130 Gbit/s to 3 × 43 Gbit/s using XPM in a NOLM switch. , 2008, , .		7
159	Full-Field Electronic Dispersion Compensation of a 10 Gbit/s OOK Signal Over 4,imes,124 km Field-Installed Single-Mode Fibre. Journal of Lightwave Technology, 2009, 27, 5327-5335.	2.7	7
160	Demonstration of CoWDM using DPSK modulator array with injection-locked lasers. Electronics Letters, 2010, 46, 150.	0.5	7
161	Comparison of Frequency Symmetric Signal Generation From a BPSK Input Using Fiber and Semiconductor-Based Nonlinear Elements. IEEE Photonics Technology Letters, 2011, 23, 651-653.	1.3	7
162	Are few-mode fibres a practical solution to the capacity crunch?. , 2013, , .		7

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163	Demonstrating Doubly-Differential Quadrature Phase Shift Keying in the Optical Domain. IEEE Photonics Technology Letters, 2013, 25, 1054-1057.	1.3	7
164	Impact of power allocation strategies in long-haul few-mode fiber transmission systems. Optics Express, 2013, 21, 10801.	1.7	7
165	Intra-channel nonlinearity compensation for PM-16QAM traffic co-propagating with 28Gbaud m-ary QAM neighbours. Optics Express, 2013, 21, 4174.	1.7	7
166	Numerical investigation of all-optical add-drop multiplexing for spectrally overlapping OFDM signals. Optics Express, 2015, 23, 5888.	1.7	7
167	Nonlinear Transmission Performance in Delay-Managed Few-Mode Fiber Links with Intermediate Coupling. , 2017, , .		7
168	Amplifier-free 200-Gb/s tandem SSB doubly differential QPSK signal transmission over 80-km SSMF with simplified receiver-side DSP. Optics Express, 2018, 26, 8418.	1.7	7
169	Dispersion compensating, reconfigurable optical add drop multiplexer using chirped fibre Bragg gratings. Electronics Letters, 1997, 33, 1474.	0.5	7
170	Polarization Multiplexed 224 Gb/s 16QAM Transmission Employing Digital Back-Propagation. , 2011, , .		7
171	Phase Sensitive Signal Processing using Semiconductor Optical Amplifiers. , 2013, , .		7
172	Demonstration of world-first experimental optical Fast OFDM system at 7.174Gbit/s and 14.348Gbit/s. , 2010, , .		6
173	Variable optical frequency comb source using a dual parallel Mach-Zehnder modulator. , 2011, , .		6
174	An All-Optical Grooming Switch for Interconnecting Access and Metro Ring Networks [Invited]. Journal of Optical Communications and Networking, 2011, 3, 206.	3.3	6
175	Non-rectangular perfect reconstruction pulse shaping based ICI reduction in CO-OFDM. Optics Express, 2014, 22, 1749.	1.7	6
176	Highly Robust Dual-Polarization Doubly Differential PSK Coherent Optical Packet Receiver for Energy Efficient Reconfigurable Networks. Journal of Lightwave Technology, 2015, 33, 5218-5226.	2.7	6
177	On the Performance of Digital Back Propagation in Spatial Multiplexing Systems. Journal of Lightwave Technology, 2020, 38, 2790-2798.	2.7	6
178	Digital compensation of imperfect pump counter-phasing induced phase distortion in optical phase conjugation of high-order QAM. Optics Express, 2021, 29, 17464.	1.7	6
179	Nonlinearity Compensation via Spectral Inversion and Digital Back-Propagation: A Practical Approach. , 2012, , .		6
180	Optical regeneration using self-phase modulation and quasi-continuous filtering. IEEE Photonics Technology Letters, 2006, 18, 1350-1352.	1.3	5

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181	Compensation of Nonlinear Fibre Impairments in Coherent Systems Employing Spectrally Efficient Modulation Formats. IEICE Transactions on Communications, 2011, E94-B, 1815-1822.	0.4	5
182	Characterization of time-resolved laser differential phase using 3D complementary cumulative distribution functions. Optics Letters, 2012, 37, 1769.	1.7	5
183	Time Resolved Bit Error Rate Analysis of a Fast Switching Tunable Laser for Use in Optically Switched Networks. Journal of Optical Communications and Networking, 2012, 4, A77.	3.3	5
184	Comparison of Bit Error Rate Estimation Methods for QPSK CO-OFDM Transmission. IEEE Photonics Technology Letters, 2014, 26, 2244-2247.	1.3	5
185	Reduced OSNR Penalty for Frequency Drift Tolerant Coherent Packet Switched Systems Using Doubly Differential Decoding. , 2014, , .		5
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