Kazuro Kikuchi

List of Publications by Year
in descending order

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240 papers	7,044 citations	61857 43 h-index	79541 73 g-index
240 all docs	240 docs citations	240 times ranked	3513 citing authors

#	Article	IF	Citations
1	Fundamentals of Coherent Optical Fiber Communications. Journal of Lightwave Technology, 2016, 34, 157-179.	2.7	619
2	Coherent detection of optical quadrature phase-shift keying signals with carrier phase estimation. Journal of Lightwave Technology, 2006, 24, 12-21.	2.7	365
3	Characterization of semiconductor-laser phase noise and estimation of bit-error rate performance with low-speed offline digital coherent receivers. Optics Express, 2012, 20, 5291.	1.7	171
4	Degradation of bit-error rate in coherent optical communications due to spectral spread of the transmitter and the local oscillator. Journal of Lightwave Technology, 1984, 2, 1024-1033.	2.7	167
5	Effect of 1/f-type FM noise on semiconductor-laser linewidth residual in high-power limit. IEEE Journal of Quantum Electronics, 1989, 25, 684-688.	1.0	142
6	Observation of highly nondegenerate four-wave mixing in 1.5 mu m traveling-wave semiconductor optical amplifiers and estimation of nonlinear gain coefficient. IEEE Journal of Quantum Electronics, 1992, 28, 151-156.	1.0	130
7	Narrowband optical filter, with a variable transmission spectrum, using stimulated Brillouin scattering in optical fiber. Optics Letters, 2002, 27, 1552.	1.7	126
8	Phase-diversity homodyne detection of multilevel optical modulation with digital carrier phase estimation. IEEE Journal of Selected Topics in Quantum Electronics, 2006, 12, 563-570.	1.9	126
9	Adaptive frequency-domain equalization in digital coherent optical receivers. Optics Express, 2011, 19, 12789.	1.7	121
10	Multi-level signaling in the Stokes space and its application to large-capacity optical communications. Optics Express, 2014, 22, 7374.	1.7	120
11	Evaluation of Sensitivity of the Digital Coherent Receiver. Journal of Lightwave Technology, 2008, 26, 1817-1822.	2.7	107
12	10-GHz, over 20-channel multiwavelength pulse source by slicing super-continuum spectrum generated in normal-dispersion fiber. IEEE Photonics Technology Letters, 1999, 11, 322-324.	1.3	106
13	Compensation for In-Phase/Quadrature Imbalance in Coherent-Receiver Front End for Optical Quadrature Amplitude Modulation. IEEE Photonics Journal, 2013, 5, 7800110-7800110.	1.0	105
14	Experimental comparison of a Kerr nonlinearity figure of merit including the stimulated Brillouin scattering threshold for state-of-the-art nonlinear optical fibers. Optics Letters, 2005, 30, 1698.	1.7	100
15	Unrepeated 200-km transmission of 40-Gbit/s 16-QAM signals using digital coherent receiver. Optics Express, 2009, 17, 1435.	1.7	97
16	Electronic polarization-division demultiplexing based on digital signal processing in intensity-modulation direct-detection optical communication systems. Optics Express, 2014, 22, 1971.	1.7	88
17	Wavelength-sweeping technique for measuring the beat length of linearly birefringent optical fibers. Optics Letters, 1983, 8, 122.	1.7	87
18	Solid-state Er:Yb:glass laser mode-locked by using single-wall carbon nanotube thin film. Optics Letters, 2007, 32, 38.	1.7	87

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19	Wavelength tuning of fiber Bragg gratings over 90 nm using a simple tuning package. IEEE Photonics Technology Letters, 2003, 15, 557-559.	1.3	84
20	Digital coherent optical communication systems: fundamentals and future prospects. IEICE Electronics Express, 2011, 8, 1642-1662.	0.3	79
21	Performance analyses of polarization demultiplexing based on constant-modulus algorithm in digital coherent optical receivers. Optics Express, 2011, 19, 9868.	1.7	77
22	Ultraweak biochemiluminescence detected from rat hippocampal slices. NeuroReport, 1995, 6, 658-660.	0.6	75
23	Coherent demodulation of optical multilevel phase-shift-keying signals using homodyne detection and digital signal processing. IEEE Photonics Technology Letters, 2006, 18, 1131-1133.	1.3	72
24	Novel configuration of finite-impulse-response filters tolerant to carrier-phase fluctuations in digital coherent optical receivers for higher-order quadrature amplitude modulation signals. Optics Express, 2012, 20, 26236.	1.7	68
25	Generation of over 140-nm-wide super-continuum from a normal dispersion fiber by using a mode-locked semiconductor laser source. IEEE Photonics Technology Letters, 1998, 10, 1560-1562.	1.3	65
26	Highly Efficient Arbitrary Wavelength Conversion Within Entire C-Band Based on Nondegenerate Fiber Four-Wave Mixing. IEEE Photonics Technology Letters, 2004, 16, 551-553.	1.3	65
27	Circular-Birefringence Fiber for Nonlinear Optical Signal Processing. Journal of Lightwave Technology, 2006, 24, 4108-4119.	2.7	65
28	Modulational Instability and Parametric Amplification Induced by Loss Dispersion in Optical Fibers. Physical Review Letters, 2004, 93, 163902.	2.9	61
29	87â€…nm bandwidth noise-like pulse generation from erbium-doped fibre laser. Electronics Letters, 2005, 41, 399.	0.5	61
30	Enhancement of optical-amplifier noise by nonlinear refractive index and group-velocity dispersion of optical fibers. IEEE Photonics Technology Letters, 1993, 5, 221-223.	1.3	60
31	Design theory of long-distance optical transmission systems using midway optical phase conjugation. Journal of Lightwave Technology, 1997, 15, 948-955.	2.7	60
32	Electronic Post-compensation for Nonlinear Phase Fluctuations in a 1000-km 20-Gbit/s Optical Quadrature Phase-shift Keying Transmission System Using the Digital Coherent Receiver. Optics Express, 2008, 16, 889.	1.7	60
33	Unrepeated transmission of 20-Gb/s optical quadrature phase-shift-keying signal over 200-km standard single-mode fiber based on digital processing of homodyne-detected signal for Group-velocity dispersion compensation. IEEE Photonics Technology Letters, 2006, 18, 1016-1018.	1.3	58
34	Unrepeatered optical transmission of 20â€…Gbitâˆ•s quadrature phase-shift keying signals over 210â€…km using homodyne phase-diversity receiver and digital signal processing. Electronics Letters, 2005, 41, 206.	0.5	56
35	Use of 1-mBi_2O_3 nonlinear fiber for 160-Gbit?s optical time-division demultiplexing based on polarization rotation and a wavelength shift induced by cross-phase modulation. Optics Letters, 2005, 30, 1267.	1.7	53
36	Measurement of FM noise, AM noise, and field spectra of 1.3 Âµm InGaAsP DFB lasers and determination of the linewidth enhancement factor. IEEE Journal of Quantum Electronics, 1985, 21, 1814-1818.	1.0	52

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37	Stable source of high quality telecom-band polarization-entangled photon-pairs based on a single, pulse-pumped, short PPLN waveguide. Optics Express, 2008, 16, 12460.	1.7	52
38	In-Band Estimation of Optical Signal-to-Noise Ratio From Equalized Signals in Digital Coherent Receivers. IEEE Photonics Journal, 2014, 6, 1-9.	1.0	49
39	Analysis of origin of nonlinear gain in 1.5 Î¼m semiconductor active layers by highly nondegenerate fourâ€wave mixing. Applied Physics Letters, 1994, 64, 548-550.	1.5	47
40	Broadband source of telecom-band polarization-entangled photon-pairs for wavelength-multiplexed entanglement distribution. Optics Express, 2008, 16, 16052.	1.7	47
41	Ultrahigh sensitivity singleâ€photon detector using a Si avalanche photodiode for the measurement of ultraweak biochemiluminescence. Review of Scientific Instruments, 1995, 66, 2922-2926.	0.6	46
42	All-optical wavelength conversion of 500-fs pulse trains by using a nonlinear-optical loop mirror composed of a highly nonlinear DSF. IEEE Photonics Technology Letters, 2001, 13, 502-504.	1.3	46
43	Polarization-stable and single-frequency fiber lasers. Journal of Lightwave Technology, 1998, 16, 661-669.	2.7	45
44	Optical Signal Processing by Phase Modulation and Subsequent Spectral Filtering Aiming at Applications to Ultrafast Optical Communication Systems. IEEE Journal of Selected Topics in Quantum Electronics, 2008, 14, 551-565.	1.9	45
45	Clock recovering characteristics of adaptive finite-impulse-response filters in digital coherent optical receivers. Optics Express, 2011, 19, 5611.	1.7	45
46	Design of highly efficient four-wave mixing devices using optical fibers. IEEE Photonics Technology Letters, 1994, 6, 992-994.	1.3	44
47	Polarization-independent, wavelength-shift-free optical phase conjugator using a nonlinear fiber Sagnac interferometer. IEEE Photonics Technology Letters, 1999, 11, 578-580.	1.3	44
48	Widely tunable optical filters based on fiber Bragg gratings. IEEE Photonics Technology Letters, 2002, 14, 1306-1308.	1.3	44
49	Coherent Optical Communications: Historical Perspectives and Future Directions. , 2010, , 11-49.		44
50	Bismuth-oxide-based nonlinear fiber with a high SBS threshold and its application to four-wave-mixing wavelength conversion using a pure continuous-wave pump. Journal of Lightwave Technology, 2006, 24, 22-28.	2.7	43
51	Polarization-independent broad-band wavelength conversion using two-pump fiber optical parametric amplification without idler spectral broadening. IEEE Photonics Technology Letters, 2003, 15, 1573-1575.	1.3	42
52	Parametric instability of optical amplifier noise in long-distance optical transmission systems. IEEE Journal of Quantum Electronics, 1997, 33, 1068-1074.	1.0	41
53	Unified analysis of modulational instability induced by cross-phase modulation in optical fibers. Journal of the Optical Society of America B: Optical Physics, 2003, 20, 2502.	0.9	40
54	Wavelength-multiplexed distribution of highly entangled photon-pairs over optical fiber. Optics Express, 2008, 16, 22099.	1.7	40

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55	Estimation of linewidth enhancement factor of AlGaAs lasers by correlation measurement between FM and AM noises. IEEE Journal of Quantum Electronics, 1985, 21, 669-673.	1.0	37
56	Compensation for pulse waveform distortion in ultra-long distance optical communication systems by using midway optical phase conjugator. IEEE Photonics Technology Letters, 1994, 6, 104-105.	1.3	37
57	Nonlinearly strain-chirped fiber Bragg grating with an adjustable dispersion slope. IEEE Photonics Technology Letters, 2002, 14, 663-665.	1.3	36
58	Four-wave mixing based widely tunable wavelength conversion using 1-m dispersion-shifted bismuth-oxide photonic crystal fiber. Optics Express, 2007, 15, 15418.	1.7	36
59	All-fiber 80-Gbit/s wavelength converter using 1-m-long Bismuth Oxide-based nonlinear optical fiber with a nonlinearity gamma of 1100 W^-1 km^-1. Optics Express, 2005, 13, 3144.	1.7	35
60	All-optical regenerator using wavelength shift induced by cross-phase modulation in highly nonlinear dispersion-shifted fiber. IEEE Photonics Technology Letters, 2005, 17, 423-425.	1.3	35
61	Amplitude-modulation sideband injection locking characteristics of semiconductor lasers and their application. Journal of Lightwave Technology, 1988, 6, 1821-1830.	2.7	34
62	Measurement and analysis of phase noise generated from semiconductor optical amplifiers. IEEE Journal of Quantum Electronics, 1991, 27, 416-422.	1.0	34
63	Low-noise multiwavelength transmitter using spectrum-sliced supercontinuum generated from a normal group-velocity dispersion fiber. IEEE Photonics Technology Letters, 2001, 13, 73-75.	1.3	33
64	Generation of 10â€…GHz similariton pulse trains from 1.2â€…km-long erbium-doped fibre amplifier for application to multi-wavelength pulse sources. Electronics Letters, 2004, 40, 1103.	0.5	33
65	Distribution of polarization-entangled photonpairs produced via spontaneous parametric down-conversion within a local-area fiber network: Theoretical model and experiment. Optics Express, 2008, 16, 14512.	1.7	33
66	Subpicosecond pulse generation using an electroabsorption modulator and a double-stage pulse compressor. IEEE Photonics Technology Letters, 2003, 15, 1288-1290.	1.3	32
67	Four-wave-mixing-based wavelength conversion of 40-Gb/s nonreturn-to-zero signal using 40-cm bismuth oxide nonlinear optical fiber. IEEE Photonics Technology Letters, 2005, 17, 1474-1476.	1.3	32
68	Ultrafast Operation of Digital Coherent Receivers Using Their Time-Division Demultiplexing Function. Journal of Lightwave Technology, 2009, 27, 224-232.	2.7	32
69	Subpicosecond pulse transmission over 144 km using midway optical phase conjugation via a cascaded second-order process in a LiNbO3waveguide. IEEE Photonics Technology Letters, 2000, 12, 1621-1623.	1.3	31
70	Polarization-demultiplexing algorithm in the digital coherent receiver. , 2008, , .		31
71	Nonlinear Optical Loop Mirror With an Optical Bias Controller for Achieving Full-Swing Operation of Gate Switching. IEEE Photonics Technology Letters, 2004, 16, 545-547.	1.3	30
72	Broad-band continuously tunable all-fiber DFB lasers. IEEE Photonics Technology Letters, 2002, 14, 21-23.	1.3	29

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73	Continuous-wave supercontinuum laser based on an erbium-doped fiber ring cavity incorporating a highly nonlinear optical fiber. Optics Letters, 2005, 30, 2599.	1.7	29
74	Analysis of oscillation characteristics of separated-electrode DFB laser diodes. IEEE Journal of Quantum Electronics, 1990, 26, 1717-1727.	1.0	28
75	Observation of quasi-phase matched four-wave mixing assisted by periodic power variation in a long-distance optical amplifier chain. IEEE Photonics Technology Letters, 1995, 7, 1378-1380.	1.3	28
76	Multi-impairment monitoring from adaptive finite-impulse-response filters in a digital coherent receiver. Optics Express, 2010, 18, 26929.	1.7	28
77	Spectral gain hole burning and modulation instability in a Brillouin fiber amplifier. Optics Letters, 1995, 20, 34.	1.7	27
78	Fourth-order dispersion compensation for 250-fs pulse transmission over 139-km optical fiber. IEEE Photonics Technology Letters, 2000, 12, 795-797.	1.3	27
79	Adjustable dispersion-compensation devices with wavelength tunability based on enhanced thermal chirping of fiber Bragg gratings. IEEE Photonics Technology Letters, 2003, 15, 416-418.	1.3	27
80	All fiber-based 160-Gbit/s add/drop multiplexer incorporating a 1-m-long Bismuth Oxide-based ultra-high nonlinearity fiber. Optics Express, 2005, 13, 6864.	1.7	27
81	Analyses of wavelength- and polarization-division multiplexed transmission characteristics of optical quadrature-amplitude-modulation signals. Optics Express, 2011, 19, 17985.	1.7	27
82	Suppression of idler spectral broadening in highly efficient fiber four-wave mixing by binary-phase-shift-keying modulation of pump wave. IEEE Photonics Technology Letters, 2001, 13, 1328-1330.	1.3	26
83	Optical Homodyne Receiver Comprising Phase and Polarization Diversities with Digital Signal Processing. , 2006, , .		26
84	Coherent optical communication systems. , 2008, , 95-129.		25
85	The realization of all-pass filters for third-order dispersion compensation in ultrafast optical fiber transmission systems. Journal of Lightwave Technology, 2001, 19, 1194-1205.	2.7	24
86	Polarization-insensitive all-optical wavelength conversion using cross-phase modulation in twisted fiber and optical filtering. IEEE Photonics Technology Letters, 2005, 17, 1052-1054.	1.3	24
87	Measurement of Raman scattering in single-mode optical fiber by optical time-domain reflectometry. IEEE Journal of Quantum Electronics, 1988, 24, 1973-1975.	1.0	23
88	Design and Fabrication of a Tunable Dispersion-Slope Compensating Module Based on Strain-Chirped Fiber Bragg Gratings. IEEE Photonics Technology Letters, 2004, 16, 524-526.	1.3	22
89	Polarization-insensitive asymmetric four-wave mixing using circularly polarized pumps in a twisted fiber. Optics Express, 2005, 13, 7497.	1.7	22
90	Dispersion of the Linear Electrooptic Coefficient and Its Relation to Resonant Raman Scattering in ZnSe. Japanese Journal of Applied Physics, 1978, 17, 825-829.	0.8	21

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91	Analysis of soliton transmission in optical fibers with the soliton self-frequency shift being compensated by distributed frequency dependent gain. IEEE Photonics Technology Letters, 1992, 4, 497-500.	1.3	21
92	Design theory of long-distance WDM dispersion-managed transmission system. Journal of Lightwave Technology, 1999, 17, 1326-1335.	2.7	21
93	Speed limit of all-optical gate switches using cascaded second-order nonlinear effect in quasi-phase-matched LiNbO3 devices. IEEE Photonics Technology Letters, 2002, 14, 1267-1269.	1.3	21
94	Novel design method for all-optical ultrafast gate switches using cascaded second-order nonlinear effect in quasi-phase matched LiNbO3 devices. IEEE Photonics Technology Letters, 2002, 14, 1409-1411.	1.3	21
95	Wavelength-multiplexed entanglement distribution. Optical Fiber Technology, 2010, 16, 225-235.	1.4	21
96	Dispersion of Photoelastic Coefficients in ZnSe. Japanese Journal of Applied Physics, 1977, 16, 757-760.	0.8	20
97	Polarization-Insensitive All-Optical Time-Division Demultiplexing Using a Fiber Four-Wave Mixer With a Peak-Holding Optical Phase-Locked Loop. IEEE Photonics Technology Letters, 2004, 16, 563-565.	1.3	20
98	Experimental performance comparison for various continuous-wave supercontinuum schemes: ring cavity and single pass structures. Optics Express, 2005, 13, 4848.	1.7	20
99	Spectral stability analysis of weakly coupled external-cavity semiconductor lasers. Journal of Lightwave Technology, 1987, 5, 1269-1272.	2.7	19
100	Differential gain and linewidth enhancement factor of 1.5- mu m multiple-quantum-well active layers with and without biaxially compressive strain. IEEE Photonics Technology Letters, 1991, 3, 314-317.	1.3	18
101	Measurement of differential gain and linewidth enhancement factor of 1.5-Î¼m strained quantum-well active layers. IEEE Journal of Quantum Electronics, 1994, 30, 571-577.	1.0	18
102	Gain spectrum equalization of all-optical gain-clamped erbium-doped fiber amplifier. IEEE Photonics Technology Letters, 1999, 11, 176-178.	1.3	18
103	Polarization-independent optical demultiplexing by conventional nonlinear optical loop mirror in a polarization-diversity loop configuration. IEEE Photonics Technology Letters, 2000, 12, 1704-1706.	1.3	18
104	Optical sampling system at 1.55 Î¼m for the measurement of pulse waveform and phase employing sonogram characterization. IEEE Photonics Technology Letters, 2001, 13, 505-507.	1.3	18
105	Electronic post-compensation for nonlinear phase noise in a 1000-km 20-Gbit/s optical QPSK transmission system using the homodyne receiver with digital signal processing. , 2007, , .		18
106	Eight-state trellis-coded optical modulation with signal constellations of four-dimensional M-ary quadrature-amplitude modulation. Optics Express, 2015, 23, 6692.	1.7	18
107	Rapid Amplitude and Group-Delay Measurement System Based on Intra-Cavity-Modulated Swept-Lasers. IEEE Transactions on Instrumentation and Measurement, 2004, 53, 192-196.	2.4	17
108	In-Service Dispersion Monitoring in 32>tex<$times$>/tex<10.7 Gbps WDM Transmission System Over Transatlantic Distance Using Optical Frequency-Modulation Method. Journal of Lightwave Technology, 2004, 22, 257-265.	2.7	17

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109	Performance Analysis of Variable Optical Delay Circuit Using Highly Nonlinear Fiber Parametric Wavelength Converters. Journal of Lightwave Technology, 2004, 22, 874-881.	2.7	17
110	Wide-band tunable wavelength conversion of 10-gb/s nonreturn-to-zero signal using cross-phase-Modulation-induced polarization rotation in 1-m bismuth oxide-based nonlinear optical fiber. IEEE Photonics Technology Letters, 2006, 18, 298-300.	1.3	17
111	Output performance investigation of self-phase-modulation-based 2R regenerator using bismuth oxide nonlinear fiber. IEEE Photonics Technology Letters, 2006, 18, 1296-1298.	1.3	17
112	Decoding of Multilevel Stokes-Vector Modulated Signal by Polarization-Analyzing Circuit on InP. Journal of Lightwave Technology, 2018, 36, 187-194.	2.7	17
113	Transmission of 2-ps optical pulses at 1550 nm over 40-km standard fiber using midspan optical phase conjugation in semiconductor optical amplifiers. IEEE Photonics Technology Letters, 1998, 10, 1410-1412.	1.3	16
114	Complete analysis of sideband instability in chain of periodic dispersion-managed fiber link and its effect on higher order dispersion-managed long-haul wavelength-division multiplexed systems. Journal of Lightwave Technology, 2002, 20, 1895-1907.	2.7	16
115	All-optical polarization-insensitive time-division demultiplexer using a nonlinear optical loop mirror with a pair of short polarization-maintaining fibers. IEEE Photonics Technology Letters, 2002, 14, 1737-1739.	1.3	16
116	Clock recovery and demultiplexing of high-speed OTDM signal through combined use of bismuth oxide nonlinear fiber and erbium-doped bismuth oxide fiber. IEEE Photonics Technology Letters, 2005, 17, 2658-2660.	1.3	16
117	Photonic switching using spread spectrum technique. Electronics Letters, 1994, 30, 436-438.	0.5	16
118	Design theory of electrically frequency-controlled narrow-linewidth semiconductor lasers for coherent optical communication systems. Journal of Lightwave Technology, 1987, 5, 1273-1276.	2.7	15
119	Wideband fibre dispersion equalisation up to fourth-order for long-distance sub-picosecond optical pulse transmission. Electronics Letters, 1999, 35, 2221.	0.5	14
120	Coherent transmission systems. , 2008, , .		14
121	Multi-dimensional permutation-modulation format for coherent optical communications. Optics Express, 2015, 23, 15587.	1.7	14
122	Lineshape measurement of semiconductor lasers below threshold. IEEE Journal of Quantum Electronics, 1988, 24, 1814-1817.	1.0	13
123	Self-suppression effect of longitudinal spatial hole burning in absorptive-grating gain-coupled DFB lasers. IEEE Photonics Technology Letters, 1993, 5, 1276-1278.	1.3	13
124	Design of long-distance optical transmission systems using midway optical phase conjugation. IEEE Photonics Technology Letters, 1995, 7, 1375-1377.	1.3	13
125	Experimental verification of Gaussian approximation model of multiple intraband crosstalk in wavelength-division multiplexed networks using recirculating fiber loop. IEEE Photonics Technology Letters, 2001, 13, 1038-1040.	1.3	13
126	All-optical 80-Gb/s add-drop multiplexer using fiber-based nonlinear optical loop mirror. IEEE Photonics Technology Letters, 2005, 17, 840-842.	1.3	13

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127	Polarization-insensitive 160-Gb/s wavelength converter with all-optical repolarizing function using circular-birefringence highly nonlinear fiber. Optics Express, 2006, 14, 1408.	1.7	13
128	Amplitude modulation of an injection-locked semiconductor laser for heterodyne-type optical communications. Optics Letters, 1984, 9, 99.	1.7	12
129	Entirely thin-film allpass coupled-cavity filters in a parallel configuration for adjustable dispersion-slope compensation. IEEE Photonics Technology Letters, 2001, 13, 1188-1190.	1.3	12
130	N x N multiwavelength optical cross-connect based on tunable fiber bragg gratings. Journal of Lightwave Technology, 2003, 21, 703-718.	2.7	12
131	Simultaneous suppression of third-order dispersion and sideband instability in single-channel optical fiber transmission by midway optical phase conjugation employing higher order dispersion management. Journal of Lightwave Technology, 2003, 21, 1465-1473.	2.7	12
132	Adjustable Group Velocity Dispersion and Dispersion Slope Compensation Devices With Wavelength Tunability Based on Enhanced Thermal Chirping of Fiber Bragg Gratings. Journal of Lightwave Technology, 2007, 25, 2711-2718.	2.7	12
133	Carbon nanotube-incorporated solâ€“gel glass for high-speed modulation of intracavity absorption of fiber lasers. Optics Communications, 2010, 283, 3740-3742.	1.0	12
134	Static frequency chirping in lambda /4-phase-shifted distributed-feedback semiconductor lasers: influence of carrier-density nonuniformity due to spatial hole burning. IEEE Journal of Quantum Electronics, 1990, 26, 45-49.	1.0	11
135	Picosecond pulse generation with high extinction ratio employing electroabsorption modulator, fibre compressor, and self-phase-modulation-based pulse reshaper. Electronics Letters, 2004, 40, 15.	0.5	11
136	Equalization of nonlinear transmission impairments by maximum-likelihood-sequence estimation in digital coherent receivers. Optics Express, 2010, 18, 4776.	1.7	11
137	Highly-sensitive coherent optical detection of M-ary frequency-shift keying signal. Optics Express, 2011, 19, B32.	1.7	11
138	Novel FIR-Filter Configuration Tolerant to Fast Phase Fluctuations in Digital Coherent Receivers for Higher-Order QAM Signals. , 2012, , .		11
139	Single-frequency and polarization-stable oscillation of Fabry-Perot fiber laser using a nonpolarization-maintaining fiber and an intracavity etalon. IEEE Photonics Technology Letters, 1996, 8, 1468-1470.	1.3	10
140	Bright squeezing by singly resonant second-harmonic generation: effect of fundamental depletion and feedback. Optics Letters, 1996, 21, 821.	1.7	10
141	Transmission of 3 ps dispersion-managed soliton pulses over 80 km distance under influence of third-order dispersion. Electronics Letters, 1999, 35, 739.	0.5	10
142	Background-free intensity autocorrelator employing Si avalanche photodiode as two-photon absorber. Electronics Letters, 2002, 38, 1465.	0.5	10
143	Limits of long-distance soliton transmission in optical fibers with laser diodes as pulse sources. IEEE Photonics Technology Letters, 1992, 4, 667-670.	1.3	9
144	Broad-band mid-span spectral inversion without wavelength shift of 1.7-ps optical pulses using a highly nonlinear fiber Sagnac interferometer. IEEE Photonics Technology Letters, 1999, 11, 1405-1407.	1.3	9

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145	Analyses of all-optically regenerated transmission system using nonlinear interferometric switches. IEEE Photonics Technology Letters, 2001, 13, 1020-1022.	1.3	9
146	Optoelectronic time-division demultiplexing of 160-Gbit/s optical signal based on phase modulation and spectral filtering. Optics Express, 2007, 15, 845.	1.7	9
147	Unrepeated 200-km transmission of 40-Gbit/s 16-QAM signals using digital coherent optical receiver. , 2008, , .		9
148	Proposal and performance analysis of novel optical homodyne receiver having an optical preamplifier for achieving the receiver sensitivity beyond the shot-noise limit. IEEE Photonics Technology Letters, 1992, 4, 195-197.	1.3	8
149	Realization of femtosecond soliton oscillation in all-fiber Raman laser with soliton self-frequency shift suppression. IEEE Photonics Technology Letters, 1992, 4, 927-930.	1.3	8
150	Layered optical thin-film allpass dispersion equaliser for compensation of dispersion slope of optical fibres. Electronics Letters, 2000, 36, 1139.	0.5	8
151	160-gb/s operation of nonlinear optical loop-mirror with an optical bias controller. IEEE Photonics Technology Letters, 2005, 17, 1058-1060.	1.3	8
152	Simultaneous Cancellation of Fiber Loss, Dispersion, and Kerr Effect in Ultralong-Haul Optical Fiber Transmission by Midway Optical Phase Conjugation Incorporated With Distributed Raman Amplification. Journal of Lightwave Technology, 2007, 25, 3035-3050.	2.7	8
153	Elastooptic Effect in BaTiO3. Japanese Journal of Applied Physics, 1980, 19, 1311-1315.	0.8	7
154	Theory of sonogram characterization of optical pulses. IEEE Journal of Quantum Electronics, 2001, 37, 533-537.	1.0	7
155	Dispersion tolerance and transmission distance of a 40-Gb/s dispersion management soliton transmission system. Journal of Lightwave Technology, 2002, 20, 360-367.	2.7	7
156	Experimental demonstration of in-service dispersion monitoring in 960-km WDM transmission system using optical frequency-modulation method. IEEE Photonics Technology Letters, 2003, 15, 870-872.	1.3	7
157	Observation of elliptical polarization rotation in a long twisted fiber. Optics Letters, 2006, 31, 882.	1.7	7
158	High-energy ultrashort pulse generation from a fundamentally mode-locked fiber laser at 1.7 MHz. , 2007, , .		7
159	1,000-km transmission of 20-Gbit/s QPSK-NRZ co-polarized DWDM signals with spectral efficiency of 1 bit/s/Hz using coherent detection. , 2007, , .		7
160	Ultra-long-haul optical transmission characteristics of wavelength-division multiplexed dual-polarisation 16-quadrature-amplitude-modulation signals. Electronics Letters, 2010, 46, 433.	0.5	7
161	Quantum Theory of Noise in Stokes Vector Receivers and Application to Bit Error Rate Analysis. Journal of Lightwave Technology, 2020, 38, 3164-3172.	2.7	7
162	Achievement of shot-noise-limited sensitivity and 50-dB dynamic range by photon-counting receiver using Si avalanche photodiode. Journal of Lightwave Technology, 1986, 4, 828-832.	2.7	6

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163	Theory of noise in optical amplifiers. Fiber and Integrated Optics, 1993, 12, 369-380.	1.7	6
164	Improvement of the fiber raman soliton laser for femtosecond optical pulse generation. Fiber and Integrated Optics, 1994, 13, 337-355.	1.7	6
165	Performance limit of long-distance WDM dispersion-managed transmission system using higher order dispersion compensation fibers. IEEE Photonics Technology Letters, 1999, 11, 608-610.	1.3	6
166	Feasibility of 100-Gb/s 10000-km single-channel optical transmission by midway optical phase conjugation incorporated with third-order dispersion compensation. IEEE Photonics Technology Letters, 2001, 13, 293-295.	1.3	6
167	Bismuth nonlinear fibre-based optical phase conjugator without SBS-induced efficiency limitation and its application to dispersion compensation in transmission link. Electronics Letters, 2006, 42, 298.	0.5	6
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