

Lian-Kuan Chen

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Underwater and Water-Air Optical Wireless Communication. Journal of Lightwave Technology, 2022, 40, 1440-1452.	2.7	35
2	Real-Time Wave Mitigation for Water-Air OWC Systems via Beam Tracking. IEEE Photonics Technology Letters, 2022, 34, 47-50.	1.3	9
3	Subcarrier and Power Allocation in OFDM-NOMA VLC Systems. IEEE Photonics Technology Letters, 2021, 33, 189-192.	1.3	25
4	Carrier Phase Recovery Based on KL Divergence in Probabilistically Shaped Coherent Systems. Journal of Lightwave Technology, 2021, 39, 2684-2695.	2.7	7
5	Improved joint subcarrier and power allocation to enhance the throughputs and user fairness in indoor OFDM-NOMA VLC systems. Optics Express, 2021, 29, 29242.	1.7	11
6	Mitigation of Wave-induced Packet Loss for Water-air Optical Wireless Communication by A Tracking System. , 2021, , .		8
7	Adaptive loading for water-air SIMO OWC system based on the temporal and spatial properties of waves. , 2021, , .		5
8	Experimental Demonstration of Cooperative NOMA in Visible Light Communications. , 2021, , .		1
9	Underwater and Water-air Optical Wireless Communication. , 2021, , .		2
10	On the Nonlinear Distortion Characterization in Photovoltaic Modules for Visible Light Communication. IEEE Photonics Technology Letters, 2021, 33, 1467-1470.	1.3	5
11	Channel-Aware Adaptive Physical-Layer Network Coding Over Relay-Assisted OFDM-VLC Networks. Journal of Lightwave Technology, 2020, 38, 1168-1177.	2.7	18
12	On the performance of DCrT-spread-OFDM via water-air OWC system through waves. , 2020, , .		3
13	Real-Time 2.2-Gb/s Water-Air OFDM-OWC System With Low-Complexity Transmitter-Side DSP. Journal of Lightwave Technology, 2020, 38, 5668-5675.	2.7	35
14	Real-Time Software-Reconfigurable Hybrid In-House Access With OFDM-NOMA. IEEE Photonics Technology Letters, 2020, 32, 379-382.	1.3	5
15	Discrete-Circulant-Transform Spread OFDM for Bandwidth-Limited VLC Systems. Journal of Lightwave Technology, 2019, 37, 5340-5353.	2.7	13
16	Demonstration of Real-Time Software Reconfigurable Dynamic Power-and-Subcarrier Allocation Scheme for OFDM-NOMA-Based Multi-User Visible Light Communications. Journal of Lightwave Technology, 2019, 37, 4401-4409.	2.7	26
17	Performance-enhanced NOMA-VLC using subcarrier pairwise coding. Optics Communications, 2019, 450, 141-146.	1.0	13
18	Capacity Maximization of OWC Systems via Joint Precoding and Probabilistic Shaping. IEEE Photonics Technology Letters, 2019, 31, 1013-1016.	1.3	6

#	ARTICLE	IF	CITATIONS
19	2D-Constellation-Assisted CSK transmission over OCC system under low-level illuminance. , 2019, , .		2
20	Performance Enhancement by Spatial Diversity for Robust VLC systems with Fast-moving Terminals. , 2019, , .		3
21	Spatial/Temporal Dispersion Compensation by Double Equalizations in Optical Camera Communications. , 2019, , .		1
22	Performance-enhanced gigabit/s MIMO-OFDM visible light communications using CSI-free/dependent precoding techniques. Optics Express, 2019, 27, 12806.	1.7	16
23	47-kbit/s RGB-LED-based optical camera communication based on 2D-CNN and XOR-based data loss compensation. Optics Express, 2019, 27, 33840.	1.7	40
24	Diversity-reception UWOC system using solar panel array and maximum ratio combining. Optics Express, 2019, 27, 34284.	1.7	21
25	Real-time Demonstration of Software Reconfigurable Dynamic Power-and-subcarrier Allocation Scheme for OFDM-NOMA based Multi-user Visible Light Communications. , 2019, , .		4
26	A Frame Averaging based Signal Tracing (FAST) Algorithm for Optical Camera Communications. , 2018, , .		4
27	Faster-than-Nyquist DFT-S-OFDM over Visible Light Communications. , 2018, , .		2
28	On the Performance of Probabilistically-shaped CAP over Optical Wireless Communications. , 2018, , .		0
29	A Robust Channel Processor for Faster-than-Nyquist Non-Orthogonal FDM Visible Light Communication Systems. , 2018, , .		3
30	Enhanced Power Allocation for Sum Rate Maximization in OFDM-NOMA VLC Systems. IEEE Photonics Technology Letters, 2018, 30, 1218-1221.	1.3	44
31	On the study of the relation between linear/nonlinear PAPR reduction and transmission performance for OFDM-based VLC systems. Optics Express, 2018, 26, 13891.	1.7	15
32	Experimental Demonstration of OQAM-OFDM based MIMO-NOMA over Visible Light Communications. , 2018, , .		14
33	SNR-threshold based Adaptive Loading for PAM-Fast-OFDM over Optical Wireless Communications. , 2018, , .		3
34	On CSI-free Linear Equalization for Optical Fast-OFDM over Visible Light Communications. , 2018, , .		10
35	Monolithic Dual-polarization Silicon Modulator for 180 Gb/s DMT Signal Transmission. , 2018, , .		0
36	Experimental investigation on impacts of PAPR reduction schemes in OFDM-based VLC systems. , 2017, , .		0

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37	Dynamic property investigation of optical burst injection locking lasers. , 2017, , .		0
38	Channel-independent signal processing for high-speed VLC systems. , 2017, , .		1
39	Multi-band orthogonal circulant matrix transform precoding over visible light communications. , 2017, , .		0
40	Adaptively loaded IM/DD optical OFDM based on set-partitioned QAM formats. Optics Express, 2017, 25, 9368.	1.7	14
41	Experimental investigation of multi-band OCT precoding for OFDM-based visible light communications. Optics Express, 2017, 25, 12908.	1.7	46
42	Experimental Demonstration of Performance-enhanced MIMO-OFDM Visible Light Communications. , 2017, , .		12
43	First Investigation of Set-Partition Format based IM/DD OFDM for Fiber Communications. , 2017, , .		0
44	Adaptive Physical-layer Network Coding over Visible Light Communications. , 2017, , .		2
45	Toward user mobility for OFDM-based visible light communications. Optics Letters, 2016, 41, 3763.	1.7	39
46	Performance investigation of OCT precoding for MIMO-OFDM based indoor visible light communications. , 2016, , .		3
47	A vision-based indoor positioning method with high accuracy and efficiency based on self-optimized-ordered visual vocabulary. , 2016, , .		8
48	On the Performance of Adaptive MIMO-OFDM Indoor Visible Light Communications. IEEE Photonics Technology Letters, 2016, 28, 907-910.	1.3	75
49	Experimental Demonstration of an OCT-based Precoding Scheme for Visible Light Communications. , 2016, , .		21
50	Multisymbol QPSK Partitioning for Improved Frequency Offset Estimation of 16-QAM Signals. IEEE Photonics Technology Letters, 2015, 27, 18-21.	1.3	4
51	Breakthroughs in Photonics 2014: Optical Physical-Layer Network Coding, Recent Developments, and Challenges. IEEE Photonics Journal, 2015, 7, 1-6.	1.0	18
52	Active Probing assisted Monitoring for Software Defined Networks. , 2015, , .		0
53	Optical physical-layer network coding — Another dimension to increase network capacity?. , 2014, , .		0
54	Least-squares carrier frequency offset estimation for coherent optical QPSK receivers. , 2014, , .		5

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55	Common-Channel Optical Physical-Layer Network Coding. IEEE Photonics Technology Letters, 2014, 26, 1340-1343.	1.3	16
56	Optimization of Microring-Based Interconnection by Leveraging the Asymmetric Behaviors of Switching Elements. Journal of Lightwave Technology, 2013, 31, 1585-1592.	2.7	14
57	Feedforward equalization with diverse optical filtering. , 2013, , .		0
58	Measurement method of the relative propagation delay of two signals based on modified caliper ruler. Optics Letters, 2013, 38, 4659.	1.7	1
59	Fast imaging of high-resolution two-dimensional effective attenuation profile from diffuse reflectance. Journal of Biomedical Optics, 2012, 17, 046005.	1.4	0
60	Resource Optimization of Consolidating Two Coexisting Networks With Interconnections. Journal of Optical Communications and Networking, 2012, 4, 936.	3.3	0
61	Monitors placement for all-optical networks with linearly-accumulated impairments. , 2012, , .		0
62	Physical-Layer Network Coding for VPN in TDM-PON. IEEE Photonics Technology Letters, 2012, 24, 2166-2168.	1.3	22
63	Optical Physical-Layer Network Coding. IEEE Photonics Technology Letters, 2012, 24, 1424-1427.	1.3	41
64	Blind Carrier Frequency Offset Estimation Based on Eighth-Order Statistics for Coherent Optical QAM Systems. IEEE Photonics Technology Letters, 2011, 23, 1612-1614.	1.3	10
65	Rayleigh Noise Reduction in 10-Gb/s Carrier-Distributed WDM-PONs Using In-Band Optical Filtering. Journal of Lightwave Technology, 2011, 29, 3632-3639.	2.7	24
66	Generation of 20-Gb/s RZ-DQPSK Signal using a Directly Modulated Chirp Managed Laser. , 2011, , .		6
67	Time-Interleaved Phase Remodulation to Enable Broadcast Transmission in Bidirectional WDM-PONs without Additional Light Sources. , 2011, , .		3
68	A novel chirp-free optical manchester signal transmitter with enhanced dispersion tolerance. , 2010, , .		0
69	Spatially resolved 2D attenuation image of a semi-infinite non-homogeneous tissue from diffuse reflectance. Proceedings of SPIE, 2010, , .	0.8	0
70	Delay-interferometer based timing alignment monitoring for data and clock signal in optical RZ-DPSK and RZ-OOK systems. Optical Fiber Technology, 2010, 16, 236-239.	1.4	1
71	A WDM-PON Optical Multicast Overlay Scheme Using Inverse-RZ-Duobinary Signal. , 2010, , .		2
72	A New Remodulation Scheme for WDM-PONs With Enhanced Tolerance to Chromatic Dispersion and Remodulation Misalignment. IEEE Photonics Technology Letters, 2010, 22, 456-458.	1.3	6

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73	Phase-Modulation-Based Loopback Scheme for Rayleigh Noise Suppression in 10-Gb/s Carrier-Distributed WDM-PONs. IEEE Photonics Technology Letters, 2010, 22, 1343-1345.	1.3	12
74	A Delay-Based Multicast Overlay Scheme for WDM Passive Optical Networks With 10-Gb/s Symmetric Two-Way Traffics. Journal of Lightwave Technology, 2010, 28, 2660-2666.	2.7	25
75	A novel chirp-free optical Manchester signal transmitter with enhanced dispersion tolerance. , 2010, , .		1
76	High extinction ratio phase re-modulation for 10-Gb/s WDM-PON with enhanced tolerance to rayleigh noise. , 2010, , .		3
77	Optical Phase Remodulation for 10-Gb/s WDM-PON with Enhanced Tolerance to Rayleigh Noise. , 2010, , .		6
78	Timing misalignment monitoring. , 2010, , 127-143.		0
79	Optical 3R regeneration for 10 synchronous channels using self-phase modulation in a bidirectional fiber configuration. , 2009, , .		3
80	Consolidation of optical networks with 1:1 protection. , 2009, , .		0
81	Monitoring of Linearly Accumulated Optical Impairments in All-Optical Networks. Journal of Optical Communications and Networking, 2009, 1, 125.	3.3	4
82	Dispersion compensation of DQPSK signal using multi-chip joint maximum-likelihood sequence estimation. , 2009, , .		0
83	A WDM-PON with 10-Gb/s Symmetric Bit-Rates and Multicast Overlay with Delay-based Multicast Control. , 2009, , .		2
84	A WDM Passive Optical Network With Centralized Light Sources and Multicast Overlay. IEEE Photonics Technology Letters, 2008, 20, 114-116.	1.3	46
85	A Multicast WDM-PON Architecture Using DPSK/NRZ Orthogonal Modulation. IEEE Photonics Technology Letters, 2008, 20, 1479-1481.	1.3	52
86	Reduction of nonlinear crosstalk in fiber OPAs. , 2008, , .		1
87	A selective-broadcast overlay scheme for WDM-PON using NRZ/DPSK orthogonal modulation technique. , 2008, , .		1
88	Novel network architectures for survivable WDM passive optical networks. , 2008, , .		2
89	Novel network architectures for survivable WDM passive optical networks. , 2008, , .		0
90	Optimal Location Analysis of Two Interconnections for the Consolidation of Two Networks. , 2008, , .		1

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91	A single-fiber bi-directional WDM self-healing ring network with bi-directional OADM for metro-access applications. IEEE Journal on Selected Areas in Communications, 2007, 25, 18-24.	9.7	37
92	Maximum Likelihood Sequence Estimation for Chromatic Dispersion and Polarization Mode Dispersion Compensation in 3-Chip DPSK Modulation Format. , 2007, , .		3
93	A Novel Re-modulation Scheme to Achieve Colorless High-Speed WDM-PON with Enhanced Tolerance to Chromatic Dispersion and Re-modulation Misalignment. , 2007, , .		13
94	A Non-invasive Dual-Channel Oximeter based on Near-Infrared Spectroscopy (NIRS). LEOS Summer Topical Meeting, 2007, , .	0.0	0
95	A Reconfigurable All-Optical AND/OR Logic Gate using Multilevel Modulation and Self-Phase Modulation. , 2007, , .		2
96	Upstream OOK remodulation scheme using injection-locked FP laser with downstream inverse-RZ data in WDM passive optical network. , 2007, , .		2
97	Three-chip differential phase-shift keying maximum likelihood sequence estimation for chromatic-dispersion and polarization-mode-dispersion compensation. Optics Letters, 2007, 32, 1746.	1.7	9
98	Robust optical signal-to-noise ratio monitoring scheme using a phase-modulator-embedded fiber loop mirror. Optics Letters, 2007, 32, 1752.	1.7	8
99	Electronic equalization of 10Gbit/s upstream signals for asynchronous-modulation and chromatic-dispersion compensation in a high-speed centralized supercontinuum broadband-light-source WDM-PON. Journal of Optical Networking, 2007, 6, 1105.	2.5	2
100	Polarization-interleaved WDM signals in a fiber optical parametric amplifier with orthogonal pumps. Optics Express, 2007, 15, 56.	1.7	75
101	Enhancing the monitoring sensitivity of DOP-based OSNR monitors in high OSNR region using off-center narrow-band optical filtering. Optics Express, 2007, 15, 823.	1.7	4
102	Joint Maximum Likelihood Sequence Estimation for Chromatic-Dispersion Compensation in ASK-DPSK Modulation Format. IEEE Photonics Technology Letters, 2007, 19, 73-75.	1.3	4
103	A Hybrid OTDM Scheme With Enhanced Demultiplexing Performance. IEEE Photonics Technology Letters, 2007, 19, 1454-1456.	1.3	5
104	Experimental studies of the WDM signal crosstalk in two-pump fiber optical parametric amplifiers. Optics Communications, 2007, 270, 429-432.	1.0	66
105	A centralized-light-source WDM access network utilizing inverse-RZ downstream signal with upstream data remodulation. Optical Fiber Technology, 2007, 13, 18-21.	1.4	23
106	Chromatic dispersion monitoring technique using birefringent fiber loop. , 2006, , .		4
107	40-Gbit/s SOA-based all-optical IRZ generation assisted by DI for orthogonal modulation in OTDM systems. , 2006, , .		0
108	Alignment monitoring technique for pulse carver and data modulator in RZ-DPSK systems using an optical frequency discriminator. IEEE Photonics Technology Letters, 2006, 18, 1119-1121.	1.3	10

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109	Simultaneous all-optical inverted and noninverted wavelength conversion using a single-stage fiber-optical parametric amplifier. IEEE Photonics Technology Letters, 2006, 18, 1442-1444.	1.3	8
110	Simultaneous all-optical inverted and non-inverted wavelength conversion using a single-stage fiber optical parametric amplifier. , 2006, , .		2
111	Simple PMD-insensitive OSNR monitoring scheme assisted by transmitter-side polarization scrambling. Optics Express, 2006, 14, 58.	1.7	10
112	Novel techniques for optical performance monitoring in optical systems. , 2006, 6354, 216.		0
113	Maximum Likelihood Sequence Estimation in the Presence of Timing Misalignment and Polarization Mode Dispersion in Optically Amplified Return-to-Zero Systems. , 2006, , .		1
114	An all-optical XOR logic gate for high-speed RZ-DPSK signals by FWM in semiconductor optical amplifier. IEEE Journal of Selected Topics in Quantum Electronics, 2006, 12, 702-707.	1.9	90
115	Experimental Demonstration of Resolution-Enhanced Residual Chromatic-Dispersion Monitoring Using Half-bit Delay-interferometer Filtering for RZ-OOK Systems. , 2006, , .		0
116	Electronic Equalization for Unsynchronized Modulation and Chromatic Dispersion Compensation in Supercontinuum-Based WDM-PON. , 2006, , .		2
117	A novel internetworking scheme for WDM passive optical network based on remodulation technique. , 2006, , .		2
118	A Novel Phase-modulated Label Pattern Recognition Scheme Based on Parallel Bit Comparison Using Cross-phase Modulation. , 2006, , .		0
119	Novel NRZ-to-RZ format conversion with tunable pulsewidth using phase modulator and interleaver. , 2006, , .		2
120	An Improved OXC Supervisory Scheme Based on Different Time-Delay Recognition. , 2006, , .		4
121	A survivable WDM PON with alternate-path switching. , 2006, , .		0
122	A novel robust OSNR monitoring technique with 40-dB dynamic range using phase modulator embedded fiber loop mirror. , 2006, , .		4
123	Analytical investigation of optimization, performance bound, and chromatic dispersion tolerance of 4-amplitude-shifted-keying format. , 2006, , .		1
124	A novel technique for modulation alignment monitoring in RZ-DPSK systems using off-center optical filtering. , 2005, , .		2
125	A novel optical frequency shift keying transmitter based on polarization modulation. , 2005, , .		0
126	A novel star-ring protection architecture scheme for WDM passive optical access networks. , 2005, , .		16

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127	A simple AMI-RZ transmitter based on single-arm intensity modulator and optical delay interferometer. Optics Communications, 2005, 255, 35-40.	1.0	6
128	Use of downstream inverse-RZ signal for upstream data re-modulation in a WDM passive optical network. , 2005, , .		11
129	Performance sensitivity to system parameters in multiwavelength super-continuum sources. IEEE Journal of Quantum Electronics, 2005, 41, 709-716.	1.0	2
130	A monotonic-decreasing rate scheduler for variable-bit-rate video streaming. IEEE Transactions on Circuits and Systems for Video Technology, 2005, 15, 221-231.	5.6	19
131	Characterization of the performance of optical amplitude-shift keyingâ€“differential phase-shift keying orthogonally modulated signals. Optics Letters, 2005, 30, 818.	1.7	1
132	A novel technique for pulse-carver and data alignment monitoring in RZ-DPSK systems using off-center optical filtering. IEEE Photonics Technology Letters, 2005, 17, 711-713.	1.3	8
133	A novel centrally controlled protection scheme for traffic restoration in WDM passive optical networks. IEEE Photonics Technology Letters, 2005, 17, 717-719.	1.3	45
134	Mitigation of timing-misalignment-induced distortion using electronic equalizer in RZ/CSRZ systems. IEEE Photonics Technology Letters, 2005, 17, 1106-1108.	1.3	6
135	A novel optical frequency-shift-keying transmitter based on polarization modulation. IEEE Photonics Technology Letters, 2005, 17, 1528-1530.	1.3	18
136	A single-fiber bidirectional self-healing WDM multihop mesh network with all-optical cyclic deflection routing for link restoration. IEEE Photonics Technology Letters, 2005, 17, 2463-2465.	1.3	2
137	Simultaneous PMD and OSNR monitoring by enhanced RF spectral dip analysis assisted with a local large-DGD element. IEEE Photonics Technology Letters, 2005, 17, 2790-2792.	1.3	20
138	Demonstration of a novel optical transmitter for high-speed differential phase-shift-keying/inverse-return-to-zero (DPSK/inv-RZ) orthogonally modulated signals. IEEE Photonics Technology Letters, 2005, 17, 2763-2765.	1.3	15
139	A Novel Optical Packet Labeling Scheme Using Interleaved Low-Speed DPSK Labels. IEEE Photonics Technology Letters, 2004, 16, 698-700.	1.3	7
140	Robustness of DPSK-WDM Systems Against Nonlinear Polarization Fluctuation. IEEE Photonics Technology Letters, 2004, 16, 927-929.	1.3	3
141	A Novel Wavelength Shift Keying Transmitter Based on Optical Phase Modulation. IEEE Photonics Technology Letters, 2004, 16, 1739-1741.	1.3	8
142	Enhanced PMD Monitoring With Frequency-Resolved SOP Rotation by Self-Phase Modulation. IEEE Photonics Technology Letters, 2004, 16, 2180-2182.	1.3	10
143	PMD-Insensitive OSNR Monitoring Based on Polarization-Nulling With Off-Center Narrow-Band Filtering. IEEE Photonics Technology Letters, 2004, 16, 2562-2564.	1.3	29
144	Analysis of performance optimization in supercontinuum sources. Optics Letters, 2004, 29, 489.	1.7	3

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145	System characterization of optical ASK/DPSK orthogonal modulation for supervisory information dissemination. , 2004, 5281, 457.		0
146	An optical network unit for WDM access networks with downstream DPSK and upstream remodulated OOK data using injection-locked FP laser. IEEE Photonics Technology Letters, 2003, 15, 1476-1478.	1.3	181
147	A self-protected architecture for wavelength-division-multiplexed passive optical networks. IEEE Photonics Technology Letters, 2003, 15, 1660-1662.	1.3	99
148	A bit-serial optical packet label-swapping scheme using DPSK encoded labels. IEEE Photonics Technology Letters, 2003, 15, 1630-1632.	1.3	35
149	Data remodulation on downstream OFSK signal for upstream transmission in WDM passive optical network. Electronics Letters, 2003, 39, 1741.	0.5	36
150	Novel WDM passive optical network with bidirectional protection. , 2002, , .		2
151	Optical sampled subcarrier multiplexing scheme for nonlinear distortion reduction in lightwave CATV networks. Electronics Letters, 2002, 38, 1702.	0.5	1
152	Heuristic method for maximizing the utilization of a survivable multiring DWDM network without wavelength conversion. , 2002, , .		0
153	<title>Performance improvement by code conversion in a reconfigurable optical code/wavelength routing network</title>. , 2001, 4584, 184.		0
154	Performance verification of a variable bit-rate limiter for on-off keying (OOK) optical systems. Journal of Lightwave Technology, 2000, 18, 779-786.	2.7	3
155	Modeling of waveform distortion due to optical filtering. IEEE Journal of Selected Topics in Quantum Electronics, 2000, 6, 223-226.	1.9	13
156	High-resolution measurement and spectral overlap of cross-phase modulation induced spectral broadening. IEEE Photonics Technology Letters, 2000, 12, 1534-1536.	1.3	4
157	Experiments on high-speed all-optical code-division multiplexing systems using all-serial encoders and decoders for 2^n prime code. IEEE Journal of Selected Topics in Quantum Electronics, 1999, 5, 368-375.	1.9	6
158	Fiber-fault identification for branched access networks using a wavelength-sweeping monitoring source. IEEE Photonics Technology Letters, 1999, 11, 614-616.	1.3	45
159	Demonstration of a fault-tolerant WDM add-drop/branching unit for long-haul optical transmission systems. IEEE Photonics Technology Letters, 1999, 11, 1069-1071.	1.3	2
160	Analysis and measurement of root-mean-squared bandwidth of cross-phase-modulation-induced spectral broadening. IEEE Photonics Technology Letters, 1999, 11, 1126-1128.	1.3	12
161	Very-high-speed All-optical Code-division Multiplexing Systems Using a 2^n Prime Code. Applied Optics, 1999, 38, 7151.	2.1	0
162	Node architecture and protocol of a packet-switched dense WDMA metropolitan area network. Journal of Lightwave Technology, 1999, 17, 2208-2218.	2.7	7

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163	A novel optical-path supervisory scheme for optical cross connects in all-optical transport networks. IEEE Photonics Technology Letters, 1998, 10, 899-901.	1.3	29
164	Experimental demonstration of efficient all-optical code-division multiplexing. Electronics Letters, 1998, 34, 1866.	0.5	1
165	Novel variable bit-rate bandwidth limiter for optical transmission system. , 1998, , .		0
166	Exact analysis of homodyne-cross-talk-induced penalty in optical networks. , 1998, 3420, 72.		5
167	Theory of burst-mode receiver and its applications in optical multiaccess networks. Journal of Lightwave Technology, 1997, 15, 590-606.	2.7	64
168	A practical passive surveillance scheme for optically amplified passive branched optical networks. IEEE Photonics Technology Letters, 1997, 9, 526-528.	1.3	32
169	A novel in-service surveillance scheme for optically amplified transmission systems. IEEE Photonics Technology Letters, 1997, 9, 1520-1522.	1.3	8
170	Realization of a time-slot access WDMA dual bus/ring packet network node using centralized light sources. IEEE Photonics Technology Letters, 1997, 9, 1661-1663.	1.3	3
171	Synchronous all-optical code-division multiple-access networks. European Transactions on Telecommunications, 1997, 8, 179-189.	1.2	0
172	A fast channel-tunable optical transmitter for ultrahigh-speed all-optical time-division multiaccess networks. IEEE Journal on Selected Areas in Communications, 1996, 14, 1052-1056.	9.7	13
173	A correction scheme for measurement accuracy improvement in multichannel CATV systems. IEEE Transactions on Broadcasting, 1996, 42, 122-129.	2.5	1
174	Theoretical analysis of high-repetition rate optical-pulse multiplication using fiber-coupler loop configuration. IEEE Photonics Technology Letters, 1995, 7, 1145-1147.	1.3	6
175	<title>Tunable-channel multiaccess (TCMA) networks: a new class of high-speed networks suitable for multimedia integrated networking</title>. , 1993, 2024, 122.		9
176	Experimental demonstration of a high-speed all-optical tunable-channel multi-access (TCMA) network. , 0, , .		0
177	A feasible architecture for high-speed synchronous CDMA distribution network using optical processing. , 0, , .		1
178	Performance improvement with slot reuse on a high speed multiaccess network. , 0, , .		0
179	Power Penalty of Ultrafast Time-Division Demultiplexer using Cascaded Multi-Quantum Well Electro-a. , 0, , .		0
180	Performance study of ACTA as an efficient high speed multi-channel integrated services network. , 0, , .		1

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181	A fault tolerant WDM branching unit for long-haul multiwavelength transmission systems. , 0, , .		0
182	Demonstration of a scalable fault surveillance scheme for WDM transmission links. , 0, , .		0
183	Fiber Bragg gratings based multiwavelength cross-connect with high dynamic range. , 0, , .		1
184	Fault surveillance of branched optical networks using an amplifier-generated wavelength-sweeping monitoring source. , 0, , .		1
185	An optical sampled subcarrier multiplexing scheme for nonlinear distortion reduction in lightwave CATV networks. , 0, , .		1
186	Performance of DPSK-WDM systems against nonlinear polarization fluctuation. , 0, , .		0
187	Demonstration of an optical packet label swapping scheme using DPSK encoded bit-serial labels. , 0, , .		1
188	A polarimetric approach for waveform restoration in semiconductor optical amplifiers. , 0, , .		0
189	Performance degradation induced by pulse carver/data modulator misalignment in RZ-DPSK systems. , 0, , .		1