

# Lian-Kuan Chen

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7518180/publications.pdf>

Version: 2024-02-01

189  
papers

2,210  
citations

236833

25  
h-index

289141

40  
g-index

189  
all docs

189  
docs citations

189  
times ranked

1111  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	A self-protected architecture for wavelength-division-multiplexed passive optical networks. IEEE Photonics Technology Letters, 2003, 15, 1660-1662.	1.3	99
3	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
4	Polarization-interleaved WDM signals in a fiber optical parametric amplifier with orthogonal pumps. Optics Express, 2007, 15, 56.	1.7	75
5	On the Performance of Adaptive MIMO-OFDM Indoor Visible Light Communications. IEEE Photonics Technology Letters, 2016, 28, 907-910.	1.3	75
6	Experimental studies of the WDM signal crosstalk in two-pump fiber optical parametric amplifiers. Optics Communications, 2007, 270, 429-432.	1.0	66
7	Theory of burst-mode receiver and its applications in optical multiaccess networks. Journal of Lightwave Technology, 1997, 15, 590-606.	2.7	64
8	A Multicast WDM-PON Architecture Using DPSK/NRZ Orthogonal Modulation. IEEE Photonics Technology Letters, 2008, 20, 1479-1481.	1.3	52
9	A WDM Passive Optical Network With Centralized Light Sources and Multicast Overlay. IEEE Photonics Technology Letters, 2008, 20, 114-116.	1.3	46
10	Experimental investigation of multi-band OCT precoding for OFDM-based visible light communications. Optics Express, 2017, 25, 12908.	1.7	46
11	Fiber-fault identification for branched access networks using a wavelength-sweeping monitoring source. IEEE Photonics Technology Letters, 1999, 11, 614-616.	1.3	45
12	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
13	Enhanced Power Allocation for Sum Rate Maximization in OFDM-NOMA VLC Systems. IEEE Photonics Technology Letters, 2018, 30, 1218-1221.	1.3	44
14	Optical Physical-Layer Network Coding. IEEE Photonics Technology Letters, 2012, 24, 1424-1427.	1.3	41
15	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
16	Toward user mobility for OFDM-based visible light communications. Optics Letters, 2016, 41, 3763.	1.7	39
17	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
18	Data remodulation on downstream OFSK signal for upstream transmission in WDM passive optical network. Electronics Letters, 2003, 39, 1741.	0.5	36

#	ARTICLE	IF	CITATIONS
19	A bit-serial optical packet label-swapping scheme using DPSK encoded labels. IEEE Photonics Technology Letters, 2003, 15, 1630-1632.	1.3	35
20	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
21	Underwater and Water-Air Optical Wireless Communication. Journal of Lightwave Technology, 2022, 40, 1440-1452.	2.7	35
22	A practical passive surveillance scheme for optically amplified passive branched optical networks. IEEE Photonics Technology Letters, 1997, 9, 526-528.	1.3	32
23	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
24	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
25	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
26	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
27	Subcarrier and Power Allocation in OFDM-NOMA VLC Systems. IEEE Photonics Technology Letters, 2021, 33, 189-192.	1.3	25
28	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
29	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
30	Physical-Layer Network Coding for VPN in TDM-PON. IEEE Photonics Technology Letters, 2012, 24, 2166-2168.	1.3	22
31	Diversity-reception UWOC system using solar panel array and maximum ratio combining. Optics Express, 2019, 27, 34284.	1.7	21
32	Experimental Demonstration of an OCT-based Precoding Scheme for Visible Light Communications. , 2016, , .		21
33	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
34	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
35	A novel optical frequency-shift-keying transmitter based on polarization modulation. IEEE Photonics Technology Letters, 2005, 17, 1528-1530.	1.3	18
36	Breakthroughs in Photonics 2014: Optical Physical-Layer Network Coding, Recent Developments, and Challenges. IEEE Photonics Journal, 2015, 7, 1-6.	1.0	18

#	ARTICLE	IF	CITATIONS
37	Channel-Aware Adaptive Physical-Layer Network Coding Over Relay-Assisted OFDM-VLC Networks. <i>Journal of Lightwave Technology</i> , 2020, 38, 1168-1177.	2.7	18
38	A novel star-ring protection architecture scheme for WDM passive optical access networks. , 2005, , .		16
39	Common-Channel Optical Physical-Layer Network Coding. <i>IEEE Photonics Technology Letters</i> , 2014, 26, 1340-1343.	1.3	16
40	Performance-enhanced gigabit/s MIMO-OFDM visible light communications using CSI-free/dependent precoding techniques. <i>Optics Express</i> , 2019, 27, 12806.	1.7	16
41	Demonstration of a novel optical transmitter for high-speed differential phase-shift-keying/inverse-return-to-zero (DPSK/inv-RZ) orthogonally modulated signals. <i>IEEE Photonics Technology Letters</i> , 2005, 17, 2763-2765.	1.3	15
42	On the study of the relation between linear/nonlinear PAPR reduction and transmission performance for OFDM-based VLC systems. <i>Optics Express</i> , 2018, 26, 13891.	1.7	15
43	Optimization of Microring-Based Interconnection by Leveraging the Asymmetric Behaviors of Switching Elements. <i>Journal of Lightwave Technology</i> , 2013, 31, 1585-1592.	2.7	14
44	Adaptively loaded IM/DD optical OFDM based on set-partitioned QAM formats. <i>Optics Express</i> , 2017, 25, 9368.	1.7	14
45	Experimental Demonstration of OQAM-OFDM based MIMO-NOMA over Visible Light Communications. , 2018, , .		14
46	A fast channel-tunable optical transmitter for ultrahigh-speed all-optical time-division multiaccess networks. <i>IEEE Journal on Selected Areas in Communications</i> , 1996, 14, 1052-1056.	9.7	13
47	Modeling of waveform distortion due to optical filtering. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2000, 6, 223-226.	1.9	13
48	A Novel Re-modulation Scheme to Achieve Colorless High-Speed WDM-PON with Enhanced Tolerance to Chromatic Dispersion and Re-modulation Misalignment. , 2007, , .		13
49	Discrete-Circulant-Transform Spread OFDM for Bandwidth-Limited VLC Systems. <i>Journal of Lightwave Technology</i> , 2019, 37, 5340-5353.	2.7	13
50	Performance-enhanced NOMA-VLC using subcarrier pairwise coding. <i>Optics Communications</i> , 2019, 450, 141-146.	1.0	13
51	Analysis and measurement of root-mean-squared bandwidth of cross-phase-modulation-induced spectral broadening. <i>IEEE Photonics Technology Letters</i> , 1999, 11, 1126-1128.	1.3	12
52	Phase-Modulation-Based Loopback Scheme for Rayleigh Noise Suppression in 10-Gb/s Carrier-Distributed WDM-PONs. <i>IEEE Photonics Technology Letters</i> , 2010, 22, 1343-1345.	1.3	12
53	Experimental Demonstration of Performance-enhanced MIMO-OFDM Visible Light Communications. , 2017, , .		12
54	Use of downstream inverse-RZ signal for upstream data re-modulation in a WDM passive optical network. , 2005, , .		11

#	ARTICLE	IF	CITATIONS
55	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
56	Enhanced PMD Monitoring With Frequency-Resolved SOP Rotation by Self-Phase Modulation. IEEE Photonics Technology Letters, 2004, 16, 2180-2182.	1.3	10
57	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
58	Simple PMD-insensitive OSNR monitoring scheme assisted by transmitter-side polarization scrambling. Optics Express, 2006, 14, 58.	1.7	10
59	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
60	On CSI-free Linear Equalization for Optical Fast-OFDM over Visible Light Communications. , 2018, , .		10
61	<title>Tunable-channel multiaccess (TCMA) networks: a new class of high-speed networks suitable for multimedia integrated networking</title>. , 1993, 2024, 122.		9
62	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
63	Real-Time Wave Mitigation for Water-Air OWC Systems via Beam Tracking. IEEE Photonics Technology Letters, 2022, 34, 47-50.	1.3	9
64	A novel in-service surveillance scheme for optically amplified transmission systems. IEEE Photonics Technology Letters, 1997, 9, 1520-1522.	1.3	8
65	A Novel Wavelength Shift Keying Transmitter Based on Optical Phase Modulation. IEEE Photonics Technology Letters, 2004, 16, 1739-1741.	1.3	8
66	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
67	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
68	Robust optical signal-to-noise ratio monitoring scheme using a phase-modulator-embedded fiber loop mirror. Optics Letters, 2007, 32, 1752.	1.7	8
69	A vision-based indoor positioning method with high accuracy and efficiency based on self-optimized-ordered visual vocabulary. , 2016, , .		8
70	Mitigation of Wave-induced Packet Loss for Water-air Optical Wireless Communication by A Tracking System. , 2021, , .		8
71	Node architecture and protocol of a packet-switched dense WDMA metropolitan area network. Journal of Lightwave Technology, 1999, 17, 2208-2218.	2.7	7
72	A Novel Optical Packet Labeling Scheme Using Interleaved Low-Speed DPSK Labels. IEEE Photonics Technology Letters, 2004, 16, 698-700.	1.3	7

#	ARTICLE	IF	CITATIONS
73	Carrier Phase Recovery Based on KL Divergence in Probabilistically Shaped Coherent Systems. Journal of Lightwave Technology, 2021, 39, 2684-2695.	2.7	7
74	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
75	Experiments on high-speed all-optical code-division multiplexing systems using all-serial encoders and decoders for 2/sup n/ prime code. IEEE Journal of Selected Topics in Quantum Electronics, 1999, 5, 368-375.	1.9	6
76	A simple AMI-RZ transmitter based on single-arm intensity modulator and optical delay interferometer. Optics Communications, 2005, 255, 35-40.	1.0	6
77	Mitigation of timing-misalignment-induced distortion using electronic equalizer in RZ/CSRZ systems. IEEE Photonics Technology Letters, 2005, 17, 1106-1108.	1.3	6
78	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
79	Capacity Maximization of OWC Systems via Joint Precoding and Probabilistic Shaping. IEEE Photonics Technology Letters, 2019, 31, 1013-1016.	1.3	6
80	Optical Phase Remodulation for 10-Gb/s WDM-PON with Enhanced Tolerance to Rayleigh Noise. , 2010, , .		6
81	Generation of 20-Gb/s RZ-DQPSK Signal using a Directly Modulated Chirp Managed Laser. , 2011, , .		6
82	Exact analysis of homodyne-cross-talk-induced penalty in optical networks. , 1998, 3420, 72.		5
83	A Hybrid OTDM Scheme With Enhanced Demultiplexing Performance. IEEE Photonics Technology Letters, 2007, 19, 1454-1456.	1.3	5
84	Least-squares carrier frequency offset estimation for coherent optical QPSK receivers. , 2014, , .		5
85	Real-Time Software-Reconfigurable Hybrid In-House Access With OFDM-NOMA. IEEE Photonics Technology Letters, 2020, 32, 379-382.	1.3	5
86	Adaptive loading for water-air SIMO OWC system based on the temporal and spatial properties of waves. , 2021, , .		5
87	On the Nonlinear Distortion Characterization in Photovoltaic Modules for Visible Light Communication. IEEE Photonics Technology Letters, 2021, 33, 1467-1470.	1.3	5
88	High-resolution measurement and spectral overlap of cross-phase modulation induced spectral broadening. IEEE Photonics Technology Letters, 2000, 12, 1534-1536.	1.3	4
89	Chromatic dispersion monitoring technique using birefringent fiber loop. , 2006, , .		4
90	An Improved OXC Supervisory Scheme Based on Different Time-Delay Recognition. , 2006, , .		4

#	ARTICLE	IF	CITATIONS
91	A novel robust OSNR monitoring technique with 40-dB dynamic range using phase modulator embedded fiber loop mirror. , 2006, , .		4
92	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
93	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
94	Monitoring of Linearly Accumulated Optical Impairments in All-Optical Networks. Journal of Optical Communications and Networking, 2009, 1, 125.	3.3	4
95	Multisymbol QPSK Partitioning for Improved Frequency Offset Estimation of 16-QAM Signals. IEEE Photonics Technology Letters, 2015, 27, 18-21.	1.3	4
96	A Frame Averaging based Signal Tracing (FAST) Algorithm for Optical Camera Communications. , 2018, , .		4
97	Real-time Demonstration of Software Reconfigurable Dynamic Power-and-subcarrier Allocation Scheme for OFDM-NOMA based Multi-user Visible Light Communications. , 2019, , .		4
98	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
99	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
100	Robustness of DPSK-WDM Systems Against Nonlinear Polarization Fluctuation. IEEE Photonics Technology Letters, 2004, 16, 927-929.	1.3	3
101	Analysis of performance optimization in supercontinuum sources. Optics Letters, 2004, 29, 489.	1.7	3
102	Maximum Likelihood Sequence Estimation for Chromatic Dispersion and Polarization Mode Dispersion Compensation in 3-Chip DPSK Modulation Format. , 2007, , .		3
103	Optical 3R regeneration for 10 synchronous channels using self-phase modulation in a bidirectional fiber configuration. , 2009, , .		3
104	High extinction ratio phase re-modulation for 10-Gb/s WDM-PON with enhanced tolerance to rayleigh noise. , 2010, , .		3
105	Performance investigation of OCT precoding for MIMO-OFDM based indoor visible light communications. , 2016, , .		3
106	A Robust Channel Processor for Faster-than-Nyquist Non-Orthogonal FDM Visible Light Communication Systems. , 2018, , .		3
107	Performance Enhancement by Spatial Diversity for Robust VLC systems with Fast-moving Terminals. , 2019, , .		3
108	On the performance of DCrT-spread-OFDM via water-air OWC system through waves. , 2020, , .		3

#	ARTICLE	IF	CITATIONS
109	Time-Interleaved Phase Remodulation to Enable Broadcast Transmission in Bidirectional WDM-PONs without Additional Light Sources. , 2011, , .		3
110	SNR-threshold based Adaptive Loading for PAM-Fast-OFDM over Optical Wireless Communications. , 2018, , .		3
111	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
112	Novel WDM passive optical network with bidirectional protection. , 2002, , .		2
113	A novel technique for modulation alignment monitoring in RZ-DPSK systems using off-center optical filtering. , 2005, , .		2
114	Performance sensitivity to system parameters in multiwavelength super-continuum sources. IEEE Journal of Quantum Electronics, 2005, 41, 709-716.	1.0	2
115	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
116	Simultaneous all-optical inverted and non-inverted wavelength conversion using a single-stage fiber optical parametric amplifier. , 2006, , .		2
117	Electronic Equalization for Unsynchronized Modulation and Chromatic Dispersion Compensation in Supercontinuum-Based WDM-PON. , 2006, , .		2
118	A novel internetworking scheme for WDM passive optical network based on remodulation technique. , 2006, , .		2
119	Novel NRZ-to-RZ format conversion with tunable pulsewidth using phase modulator and interleaver. , 2006, , .		2
120	A Reconfigurable All-Optical AND/OR Logic Gate using Multilevel Modulation and Self-Phase Modulation. , 2007, , .		2
121	Upstream OOK remodulation scheme using injection-locked FP laser with downstream inverse-RZ data in WDM passive optical network. , 2007, , .		2
122	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
123	Novel network architectures for survivable WDM passive optical networks. , 2008, , .		2
124	A WDM-PON Optical Multicast Overlay Scheme Using Inverse-RZ-Duobinary Signal. , 2010, , .		2
125	Faster-than-Nyquist DFT-S-OFDM over Visible Light Communications. , 2018, , .		2
126	2D-Constellation-Assisted CSK transmission over OCC system under low-level illuminance. , 2019, , .		2



#	ARTICLE	IF	CITATIONS
127	A WDM-PON with 10-Gb/s Symmetric Bit-Rates and Multicast Overlay with Delay-based Multicast Control. , 2009, , .		2
128	Adaptive Physical-layer Network Coding over Visible Light Communications. , 2017, , .		2
129	Underwater and Water-air Optical Wireless Communication. , 2021, , .		2
130	A feasible architecture for high-speed synchronous CDMA distribution network using optical processing. , 0, , .		1
131	A correction scheme for measurement accuracy improvement in multichannel CATV systems. IEEE Transactions on Broadcasting, 1996, 42, 122-129.	2.5	1
132	Performance study of ACTA as an efficient high speed multi-channel integrated services network. , 0, , .		1
133	Experimental demonstration of efficient all-optical code-division multiplexing. Electronics Letters, 1998, 34, 1866.	0.5	1
134	Fiber Bragg gratings based multiwavelength cross-connect with high dynamic range. , 0, , .		1
135	Fault surveillance of branched optical networks using an amplifier-generated wavelength-sweeping monitoring source. , 0, , .		1
136	Optical sampled subcarrier multiplexing scheme for nonlinear distortion reduction in lightwave CATV networks. Electronics Letters, 2002, 38, 1702.	0.5	1
137	An optical sampled subcarrier multiplexing scheme for nonlinear distortion reduction in lightwave CATV networks. , 0, , .		1
138	Demonstration of an optical packet label swapping scheme using DPSK encoded bit-serial labels. , 0, , .		1
139	Performance degradation induced by pulse carver/data modulator misalignment in RZ-DPSK systems. , 0, , .		1
140	Characterization of the performance of optical amplitude-shift keyingâ€“differential phase-shift keying orthogonally modulated signals. Optics Letters, 2005, 30, 818.	1.7	1
141	Maximum Likelihood Sequence Estimation in the Presence of Timing Misalignment and Polarization Mode Dispersion in Optically Amplified Return-to-Zero Systems. , 2006, , .		1
142	Analytical investigation of optimization, performance bound, and chromatic dispersion tolerance of 4-amplitude-shifted-keying format. , 2006, , .		1
143	Reduction of nonlinear crosstalk in fiber OPAs. , 2008, , .		1
144	A selective-broadcast overlay scheme for WDM-PON using NRZ/DPSK orthogonal modulation technique. , 2008, , .		1

#	ARTICLE	IF	CITATIONS
145	Optimal Location Analysis of Two Interconnections for the Consolidation of Two Networks. , 2008, , .		1
146	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
147	A novel chirp-free optical Manchester signal transmitter with enhanced dispersion tolerance. , 2010, , .		1
148	Measurement method of the relative propagation delay of two signals based on modified caliper ruler. Optics Letters, 2013, 38, 4659.	1.7	1
149	Channel-independent signal processing for high-speed VLC systems. , 2017, , .		1
150	Spatial/Temporal Dispersion Compensation by Double Equalizations in Optical Camera Communications. , 2019, , .		1
151	Experimental Demonstration of Cooperative NOMA in Visible Light Communications. , 2021, , .		1
152	Experimental demonstration of a high-speed all-optical tunable-channel multi-access (TCMA) network. , 0, , .		0
153	Performance improvement with slot reuse on a high speed multiaccess network. , 0, , .		0
154	Power Penalty of Ulltrafast Time-Division Demultiplexer using Cascadedl Multi-Quantum Well Electro-a. , 0, , .		0
155	Synchronous allâ€œoptical codeâ€œdivision multipleâ€œaccess networks. European Transactions on Telecommunications, 1997, 8, 179-189.	1.2	0
156	A fault tolerant WDM branching unit for long-haul multiwavelength transmission systems. , 0, , .		0
157	Novel variable bit-rate bandwidth limiter for optical transmission system. , 1998, , .		0
158	Demonstration of a scalable fault surveillance scheme for WDM transmission links. , 0, , .		0
159	Very-high-speed All-optical Code-division Multiplexing Systems Using a $2^n$ Prime Code. Applied Optics, 1999, 38, 7151.	2.1	0
160	<title>Performance improvement by code conversion in a reconfigurable optical code/wavelength routing network</title>. , 2001, 4584, 184.		0
161	Heuristic method for maximizing the utilization of a survivable multiring DWDM network without wavelength conversion. , 2002, , .		0
162	Performance of DPSK-WDM systems against nonlinear polarization fluctuation. , 0, , .		0

#	ARTICLE	IF	CITATIONS
163	A polarimetric approach for waveform restoration in semiconductor optical amplifiers. , 0, , .		0
164	System characterization of optical ASK/DPSK orthogonal modulation for supervisory information dissemination. , 2004, 5281, 457.		0
165	A novel optical frequency shift keying transmitter based on polarization modulation. , 2005, , .		0
166	40-Gbit/s SOA-based all-optical IRZ generation assisted by DI for orthogonal modulation in OTDM systems. , 2006, , .		0
167	Novel techniques for optical performance monitoring in optical systems. , 2006, 6354, 216.		0
168	Experimental Demonstration of Resolution-Enhanced Residual Chromatic-Dispersion Monitoring Using Half-bit Delay-interferometer Filtering for RZ-OOK Systems. , 2006, , .		0
169	A Novel Phase-modulated Label Pattern Recognition Scheme Based on Parallel Bit Comparison Using Cross-phase Modulation. , 2006, , .		0
170	A survivable WDM PON with alternate-path switching. , 2006, , .		0
171	A Non-invasive Dual-Channel Oximeter based on Near-Infrared Spectroscopy (NIRS). LEOS Summer Topical Meeting, 2007, , .	0.0	0
172	Novel network architectures for survivable WDM passive optical networks. , 2008, , .		0
173	Consolidation of optical networks with 1:1 protection. , 2009, , .		0
174	Dispersion compensation of DQPSK signal using multi-chip joint maximum-likelihood sequence estimation. , 2009, , .		0
175	A novel chirp-free optical manchester signal transmitter with enhanced dispersion tolerance. , 2010, , .		0
176	Spatially resolved 2D attenuation image of a semi-infinite non-homogeneous tissue from diffuse reflectance. Proceedings of SPIE, 2010, , .	0.8	0
177	Fast imaging of high-resolution two-dimensional effective attenuation profile from diffuse reflectance. Journal of Biomedical Optics, 2012, 17, 046005.	1.4	0
178	Resource Optimization of Consolidating Two Coexisting Networks With Interconnections. Journal of Optical Communications and Networking, 2012, 4, 936.	3.3	0
179	Monitors placement for all-optical networks with linearly-accumulated impairments. , 2012, , .		0
180	Feedforward equalization with diverse optical filtering. , 2013, , .		0

#	ARTICLE	IF	CITATIONS
181	Optical physical-layer network coding &#x2014; Another dimension to increase network capacity?. , 2014, , .		0
182	Experimental investigation on impacts of PAPR reduction schemes in OFDM-based VLC systems. , 2017, , .		0
183	Dynamic property investigation of optical burst injection locking lasers. , 2017, , .		0
184	Multi-band orthogonal circulant matrix transform precoding over visible light communications. , 2017, , .		0
185	On the Performance of Probabilistically-shaped CAP over Optical Wireless Communications. , 2018, , .		0
186	Timing misalignment monitoring. , 2010, , 127-143.		0
187	Active Probing assisted Monitoring for Software Defined Networks. , 2015, , .		0
188	First Investigation of Set-Partition Format based IM/DD OFDM for Fiber Communications. , 2017, , .		0
189	Monolithic Dual-polarization Silicon Modulator for 180 Gb/s DMT Signal Transmission. , 2018, , .		0