Gee-Kung Chang

List of Publications by Year in Descending Order

178 papers	3,367 citations	31 h-index	52 g-index
235 ext. papers	4,207 ext. citations	2.9 avg, IF	5.35 L-index

#	Paper	IF	Citations
178	Accelerating LMS-based Equalization with Correlated Training Sequence in Bandlimited IM/DD Systems. *Journal of Lightwave Technology*, **2022**, 1-1	4	
177	Simultaneous Nonlinear Self-Interference Cancellation and Signal of Interest Recovery Using Dual Input Deep Neural Network in New Radio Access Networks. *Journal of Lightwave Technology*, **2021**, 39, 2046-2051	4	2
176	Optical Signal Processing for W-Band Radio-Over-Fiber System With Tunable Frequency Response. *IEEE Journal of Selected Topics in Quantum Electronics*, **2021**, 27, 1-8	3.8	6
175	A Bi-Directional Multi-Band, Multi-Beam mm-Wave Beamformer for 5G Fiber Wireless Access Networks. *Journal of Lightwave Technology*, **2021**, 39, 1116-1124	4	5
174	DRL-Based Channel and Latency Aware Radio Resource Allocation for 5G Service-Oriented RoF-MmWave RAN. *Journal of Lightwave Technology*, **2021**, 39, 5706-5714	4	4
173	Data Efficient Estimation for Quality of Transmission Through Active Learning in Fiber-Wireless Integrated Network. *Journal of Lightwave Technology*, **2021**, 39, 5691-5698	4	0
172	Semi-Supervised and Supervised Nonlinear Equalizers in Fiber-FSO Converged System. *Journal of Lightwave Technology*, **2021**, 39, 6175-6181	4	2
171	A Simplified Radio-Over-Fiber System for Over 100-km Long-Reach n-QAM Transmission. *IEEE Photonics Journal*, **2020**, 12, 1-8	1.8	2
170	Rate Redundancy and Entropy Allocation for PAS-OFDM Based Mobile Fronthaul. *Journal of Lightwave Technology*, **2020**, 38, 4260-4269	4	2
169	135-GHz D-Band 60-Gbps PAM-8 Wireless Transmission Employing a Joint DNN Equalizer With BP and CMMA. *Journal of Lightwave Technology*, **2020**, 38, 3592-3601	4	10
168	D-Band mm-Wave SSB Vector Signal Generation Based on Cascaded Intensity Modulators. *IEEE Photonics Journal*, **2020**, 12, 1-11	1.8	3
167	Performance Enhancement of Optical Comb Based Microwave Photonic Filter by Machine Learning Technique. *Journal of Lightwave Technology*, **2020**, 38, 5302-5310	4	5
166	Delay-aware Cellular Traffic Scheduling with Deep Reinforcement Learning **2020**,		4
165	RF Fading Circumvention Using a Polarization Modulator for Supporting W-Band RoF Transport from 85 to 95 GHz **2020**,		2
164	Optical comb generator with flat-topped spectral response using one electroabsorption-modulated laser and one phase modulator. *Optical Engineering*, **2020**, 59, 1	1.1	1
163	Low-complexity equalizer with a hybrid decision scheme for 50 Gb/s/ PAM4-PON using a low-cost 10 G receiver. *Optics Letters*, **2020**, 45, 6278-6281	3	2
162	Joint Optimization of Processing Complexity and Rate Allocation through Entropy Tunability for 64-/256-QAM Based Radio Fronthauling with LDPC and PAS-OFDM **2020**,		2

161	Experimental Demonstration of C-band 112-Gb/s PAM4 over 20-km SSMF with Joint Pre- and Post-equalization **2020**,		2
160	Wide FoV Autonomous Beamformer Supporting Multiple Beams and Multi-Band Operation for 5G Mobile Fronthaul **2020**,		1
159	The Impact of Local Oscillator Frequency Jitter and Laser Linewidth to Ultra High Baud Rate Coherent Systems. *Journal of Lightwave Technology*, **2020**, 38, 1138-1147	4	3
158	. *Journal of Lightwave Technology*, **2020**, 38, 1221-1229	4	14
157	Demonstration of Pattern Division Multiple Access With Message Passing Algorithm for Multi-Channel mmWave Uplinks via RoF Mobile Fronthaul. *Journal of Lightwave Technology*, **2020**, 38, 5908-5915	4	1
156	Digital Pre- and Post-Equalization for C-Band 112-Gb/s PAM4 Short-Reach Transport Systems. *Journal of Lightwave Technology*, **2020**, 38, 4683-4690	4	20
155	Flexible Coherent Communication System With Adaptable SNR and Laser Phase Noise Tolerance for Probabilistically Shaped QAM. *Journal of Lightwave Technology*, **2020**, 38, 6178-6186	4	0
154	Entropy Allocation Optimization for PS-OFDM With Constellation Partitioning Based Modeling. *Journal of Lightwave Technology*, **2020**, 38, 6024-6030	4	2
153	. *IEEE Communications Magazine*, **2020**, 58, 60-66	9.1	10
152	Unified Performance Analysis of Hybrid FSO/RF System With Diversity Combining. *Journal of Lightwave Technology*, **2020**, 38, 6788-6800	4	9
151	Modulation Format Shifting Scheme for Optical Camera Communication. *IEEE Photonics Technology Letters*, **2020**, 32, 1167-1170	2.2	3
150	Photonics-Aided Millimeter-Wave Technologies for Extreme Mobile Broadband Communications in 5G. *Journal of Lightwave Technology*, **2020**, 38, 366-378	4	18
149	Non-Orthogonal Uplink Services Through Co-Transport of D-RoF/A-RoF in Mobile Fronthaul. *Journal of Lightwave Technology*, **2020**, 38, 3637-3643	4	8
148	Key Fiber Wireless Integrated Radio Access Technologies for 5G and Beyond **2019**,		10
147	Multi-IF-Over-Fiber Based Mobile Fronthaul With Blind Linearization and Flexible Dispersion Induced Bandwidth Penalty Mitigation. *Journal of Lightwave Technology*, **2019**, 37, 1424-1433	4	11
146	Simple Multi-RAT RoF System With $2times2$ MIMO Wireless Transmission. *IEEE Photonics Technology Letters*, **2019**, 31, 1025-1028	2.2	4
145	A Reliable OFDM-Based MMW Mobile Fronthaul With DSP-Aided Sub-Band Spreading and Time-Confined Windowing. *Journal of Lightwave Technology*, **2019**, 37, 3236-3243	4	12
144	Photonics-Assisted Technologies for Extreme Broadband 5G Wireless Communications. *Journal of Lightwave Technology*, **2019**, 37, 2851-2865	4	39

143	$4times100$ -Gb/s PAM-4 FSO Transmission Based on Polarization Modulation and Direct Detection. *IEEE Photonics Technology Letters*, **2019**, 31, 755-758	2.2	18
142	Ubiquitous Coverage Next Generation Access Networks Based on Fiber/FSO Convergence with OBI-free Heterodyne Detection **2019**,		2
141	Efficient Power-Division NOMA for Intelligent Optical Access Network Enabled by Deep Learning **2019**,		2
140	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	4	14
139	132-Gb/s Photonics-Aided Single-Carrier Wireless Terahertz-Wave Signal Transmission at 450GHz Enabled by 64QAM Modulation and Probabilistic Shaping **2019**,		14
138	Real-Time FPGA Demonstration of Hybrid Bi-directional MMW and FSO Fronthaul Architecture **2019**,		4
137	Polar Coded OFDM Signal Transmission at the W-Band in Millimeter-Wave System. *IEEE Photonics Journal*, **2019**, 11, 1-6	1.8	1
136	Polarization-Tracking-Free PDM Supporting Hybrid Digital-Analog Transport for Fixed-Mobile Systems. *IEEE Photonics Technology Letters*, **2019**, 31, 54-57	2.2	14
135	Bandwidth-Enhanced PAM-4 Transmissions Using Polarization Modulation and Direct Detection With a Tunable Frequency Range. *Journal of Lightwave Technology*, **2019**, 37, 1014-1022	4	7
134	Enhanced Multi-Level Signal Recovery in Mobile Fronthaul Network Using DNN Decoder. *IEEE Photonics Technology Letters*, **2018**, 30, 1511-1514	2.2	14
133	A Novel ANN Equalizer to Mitigate Nonlinear Interference in Analog-RoF Mobile Fronthaul. *IEEE Photonics Technology Letters*, **2018**, 30, 1675-1678	2.2	16
132	Real-Time Demonstration of Adaptive Functional Split in 5G Flexible Mobile Fronthaul Networks **2018**,		17
131	4×100G PAM-4 Transmission in Faster-than-Nyquist Systems Incorporating Eigenvalue-Space Precoding **2018**,		1
130	Tunable Microwave Photonic Filter for Millimeter-wave Mobile Fronthaul Systems **2018**,		4
129	Grand Challenges of Fiber Wireless Convergence for 5G Mobile Data Communications **2018**,		8
128	An Artificial Neural Network MIMO Demultiplexer for Small-Cell MM-Wave RoF Coordinated Multi-Point Transmission System **2018**,		2
127	Broadband IF-Over-Fiber Transmission Based on a Polarization Modulator. *IEEE Photonics Technology Letters*, **2018**, 30, 2087-2090	2.2	3
126	An Ultra-Reliable MMW/FSO A-RoF System Based on Coordinated Mapping and Combining Technique for 5G and Beyond Mobile Fronthaul. *Journal of Lightwave Technology*, **2018**, 36, 4952-4959	4	31

125	A Long-Distance Millimeter-Wave RoF System With a Low-Cost Directly Modulated Laser. *IEEE Photonics Technology Letters*, **2018**, 30, 1396-1399	2.2	11
124	Investigation of Pre-Equalization Technique for Pluggable CFP2-ACO Transceivers in Beyond 100 Gb/s Transmissions. *Journal of Lightwave Technology*, **2017**, 35, 230-237	4	6
123	Efficient Mobile Fronthaul Incorporating VLC Links for Coordinated Densified Cells. *IEEE Photonics Technology Letters*, **2017**, 29, 1059-1062	2.2	5
122	Asynchronous Multi-User Uplink Transmissions for 5G with UFMC Waveform **2017**,		7
121	A Multilevel Artificial Neural Network Nonlinear Equalizer for Millimeter-Wave Mobile Fronthaul Systems. *Journal of Lightwave Technology*, **2017**, 35, 4406-4417	4	32
120	Key Technologies for Next-Generation Digital RoF Mobile Fronthaul With Statistical Data Compression and Multiband Modulation. *Journal of Lightwave Technology*, **2017**, 35, 3671-3679	4	46
119	Fiber-wireless integration for future mobile communications **2017**,		6
118	Adaptive Digitization and Variable Channel Coding for Enhancement of Compressed Digital Mobile Fronthaul in PAM-4 Optical Links. *Journal of Lightwave Technology*, **2017**, 35, 4714-4720	4	10
117	Orthogonal and Sparse Chirp Division Multiplexing for MMW Fiber-Wireless Integrated Systems. *IEEE Photonics Technology Letters*, **2017**, 29, 1316-1319	2.2	9
116	Power-Division Non-Orthogonal Multiple Access (NOMA) in Flexible Optical Access With Synchronized Downlink/Asynchronous Uplink. *Journal of Lightwave Technology*, **2017**, 35, 4145-4152	4	22
115	Orthogonal Multiband CAP Modulation Based on Offset-QAM and Advanced Filter Design in Spectral Efficient MMW RoF Systems. *Journal of Lightwave Technology*, **2017**, 35, 997-1005	4	20
114	Full-Duplex Quasi-Gapless Carrier Aggregation Using FBMC in Centralized Radio-Over-Fiber Heterogeneous Networks. *Journal of Lightwave Technology*, **2017**, 35, 989-996	4	30
113	Sub-Band Pre-Distortion for PAPR Reduction in Spectral Efficient 5G Mobile Fronthaul. *IEEE Photonics Technology Letters*, **2017**, 29, 122-125	2.2	16
112	Non-Orthogonal Multiple Access With Successive Interference Cancellation in Millimeter-Wave Radio-Over-Fiber Systems. *Journal of Lightwave Technology*, **2016**, 34, 4179-4186	4	21
111	Frequency-Quadrupling Vector mm-Wave Signal Generation by Only One Single-Drive MZM. *IEEE Photonics Technology Letters*, **2016**, 28, 1302-1305	2.2	33
110	Polarization-Insensitive Remote Access Unit for Radio-Over-Fiber Mobile Fronthaul System by Reusing Polarization Orthogonal Light Waves. *IEEE Photonics Journal*, **2016**, 8, 1-8	1.8	6
109	The benefits of convergence. *Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences*, **2016**, 374,	3	7
108	Coordinated Multipoint Transmissions in Millimeter-Wave Radio-Over-Fiber Systems. *Journal of Lightwave Technology*, **2016**, 34, 653-660	4	21

107	Mm-Wave Vector Signal Generation and Transport for W-band MIMO System with Intensity Modulation and Direct Detection **2016**,		7
106	Fiber-wireless integrated mobile backhaul network based on a hybrid millimeter-wave and free-space-optics architecture with an adaptive diversity combining technique. *Optics Letters*, **2016**, 41, 1909-12	3	36
105	Nonlinear Inter-Band Subcarrier Intermodulations of Multi-RAT OFDM Wireless Services in 5G Heterogeneous Mobile Fronthaul Networks. *Journal of Lightwave Technology*, **2016**, 34, 4089-4103	4	25
104	Multiservice Wireless Transport Over RoF Link With Colorless BS Using PolM-to-IM Convertor. *IEEE Photonics Technology Letters*, **2015**, 27, 403-406	2.2	11
103	Dual-Wavelength Single-Longitudinal-Mode Tm-Doped Fiber Laser Using PM-CMFBG. *IEEE Photonics Technology Letters*, **2015**, 27, 951-954	2.2	66
102	Wavelength Resource Sharing in Bidirectional Optical Mobile Fronthaul. *Journal of Lightwave Technology*, **2015**, 33, 3182-3188	4	12
101	Orthogonal polarization modulation based fully coherent self-heterodyne detection for future UDWDM-PON **2015**,		1
100	Experimental Demonstration of 120-Gb/s Nyquist PAM8-SCFDE for Short-Reach Optical Communication. *IEEE Photonics Journal*, **2015**, 7, 1-5	1.8	7
99	Dual pump brillouin laser for RoF millimeterwave carrier generation with tunable resolution **2015**,		2
98	Spectral Shape Impact of Nonlinear Compensator Signal in LTE RoF System. *IEEE Photonics Technology Letters*, **2015**, 27, 2481-2484	2.2	2
97	Low-Latency Synchronous Clock Distribution and Recovery for DWDM-OFDMA-Based Optical Mobile Backhaul. *Journal of Lightwave Technology*, **2014**, 32, 2012-2018	4	7
96	Adaptive Photonics-Aided Coordinated Multipoint Transmissions for Next-Generation Mobile Fronthaul. *Journal of Lightwave Technology*, **2014**, 32, 1907-1914	4	26
95	Key Microwave-Photonics Technologies for Next-Generation Cloud-Based Radio Access Networks. *Journal of Lightwave Technology*, **2014**, 32, 3452-3460	4	76
94	Orthogonal Single-Sideband Signal Generation Using Improved Sagnac-Loop-Based Modulator. *IEEE Photonics Technology Letters*, **2014**, 26, 2229-2231	2.2	10
93	Non-overlapping downlink and uplink wavelength reuse in WDM-PON employing microwave photonic techniques **2014**,		1
92	Multichannel 120-Gb/s Data Transmission Over 2 $,times,$2 MIMO Fiber-Wireless Link at W-Band. *IEEE Photonics Technology Letters*, **2013**, 25, 780-783	2.2	108
91	1□100GHz microwave photonics link technologies for next-generation WiFi and 5G wireless communications **2013**,		7
90	Heterodyne Optical Carrier Suppression for Millimeter-Wave-over-Fiber Systems. *Journal of Lightwave Technology*, **2013**, 31, 3210-3216	4	15

89	Radio-Over-Fiber Access Architecture for Integrated Broadband Wireless Services. *Journal of Lightwave Technology*, **2013**, 31, 3614-3620	4	65
88	Experimental Demonstration of 48-Gb/s PDM-QPSK Radio-Over-Fiber System Over 40-GHz mm-Wave MIMO Wireless Transmission. *IEEE Photonics Technology Letters*, **2012**, 24, 2276-2279	2.2	33
87	Millimeter-wave, multi-access wireless over fiber technologies and applications **2012**,		1
86	Efficient Delivery of Integrated Wired and Wireless Services in UDWDM-RoF-PON Coherent Access Network. *IEEE Photonics Technology Letters*, **2012**, 24, 1127-1129	2.2	21
85	Low complexity non decision directed blind carrier phase recovery algorithm for 16-QAM optical coherent receiver **2012**,		4
84	Enhanced Vector Signal Transmission Over Double-Sideband Carrier-Suppressed Optical Millimeter-Waves Through a Small LO Feedthrough. *IEEE Photonics Technology Letters*, **2012**, 24, 173-175	2.2	9
83	Generation of Multiband Signals in a Bidirectional Wireless Over Fiber System With High Scalability Using Heterodyne Mixing Technique. *IEEE Photonics Technology Letters*, **2012**, 24, 1621-1624	2.2	13
82	A Bidirectional 60-GHz Wireless-Over-Fiber Transport System With Centralized Local Oscillator Service Delivered to Mobile Terminals and Base Stations. *IEEE Photonics Technology Letters*, **2012**, 24, 1984-1987	2.2	15
81	A Carrier-Ethernet oriented transport protocol with a novel congestion control and QoS integration: Analytical, simulated and experimental validation **2012**,		1
80	In-Band Crosstalk Transmission Penalties on 112-Gb/s PDM-QPSK Optical Links. *IEEE Photonics Technology Letters*, **2011**, 23, 745-747	2.2	6
79	Multiband 60-GHz Wireless Over Fiber Access System With High Dispersion Tolerance Using Frequency Tripling Technique. *Journal of Lightwave Technology*, **2011**, 29, 1105-1111	4	36
78	Optimization of Vector Signal Delivery Over Double-Sideband Carrier-Suppressed Optical Millimeter-Waves Through DC Coupling. *IEEE Photonics Technology Letters*, **2011**, 23, 789-791	2.2	4
77	Efficient Optical Millimeter-Wave Generation Using a Frequency-Tripling Fabry-Pérot Laser With Sideband Injection and Synchronization. *IEEE Photonics Technology Letters*, **2011**, 23, 1325-1327	2.2	12
76	A Novel Lightwave Centralized Bidirectional Hybrid Access Network: Seamless Integration of RoF With WDM-OFDM-PON. *IEEE Photonics Technology Letters*, **2011**, 23, 1085-1087	2.2	38
75	Very-high-throughput millimeter-wave system oriented for health monitoring applications **2011**,		3
74	A hybrid MAC protocol design for energy-efficient very-high-throughput millimeter wave wireless sensor communication networks **2010**,		2
73	On Frequency-Doubled Optical Millimeter-Wave Generation Technique Without Carrier Suppression for In-Building Wireless Over Fiber Applications. *IEEE Photonics Technology Letters*, **2010**, 22, 182-184	2.2	6
72	Wavelength Converter for Polarization-Multiplexed 100-G Transmission With Multilevel Modulation Using a Bismuth Oxide-Based Nonlinear Fiber. *IEEE Photonics Technology Letters*, **2010**, 22, 1832-1834	2.2	9

71	Energy-Efficient Multi-Access Technologies for Very-High-Throughput Avionic Millimeter Wave, Wireless Sensor Communication Networks. *Journal of Lightwave Technology*, **2010**, 28, 2398-2405	4	7
70	Multi-Band Transport Technologies for In-Building Host-Neutral Wireless Over Fiber Access Systems. *Journal of Lightwave Technology*, **2010**, 28, 2406-2415	4	28
69	Converged broadband optical and wireless communication infrastructure for next-generation telehealth **2010**,		2
68	Next-generation E-health communication infrastructure using converged super-broadband optical and wireless access system **2010**,		8
67	Offset QPSK for 112 Gb/s coherent optical links **2010**,		2
66	Toward a 60-GHz wireless, low-power, high-throughput memory access system. *Microwave and Optical Technology Letters*, **2009**, 51, 2969-2973	1.2	4
65	Applications of 40-Gb/s Chirp-Managed Laser in Access and Metro Networks. *Journal of Lightwave Technology*, **2009**, 27, 253-265	4	38
64	Advanced System Technologies and Field Demonstration for In-Building Optical-Wireless Network With Integrated Broadband Services. *Journal of Lightwave Technology*, **2009**, 27, 1920-1927	4	51
63	Simultaneous Transmission of Wireless and Wireline Services Using a Single 60-GHz Radio-Over-Fiber Channel by Coherent Subcarrier Modulation. *IEEE Photonics Technology Letters*, **2009**, 21, 1127-1129	2.2	18
62	A Novel Bidirectional 60-GHz Radio-Over-Fiber Scheme With Multiband Signal Generation Using a Single Intensity Modulator. *IEEE Photonics Technology Letters*, **2009**, 21, 1338-1340	2.2	51
61	Architectures and technologies for very high throughput in-building wireless services using radio-over-fiber networks **2009**,		1
60	Optical Packet-Switched Network Employing Optically Labeled 114-Gb/s RZ-8PSK Packet Signals Through Straight-Line Optical Wavelength-Selective Switching Nodes. *IEEE Photonics Technology Letters*, **2008**, 20, 1639-1641	2.2	1
59	Rayleigh Backscattering Noise-Eliminated 115-km Long-Reach Bidirectional Centralized WDM-PON With 10-Gb/s DPSK Downstream and Remodulated 2.5-Gb/s OCS-SCM Upstream Signal. *IEEE Photonics Technology Letters*, **2008**, 20, 2081-2083	2.2	38
58	A Novel Scheme to Generate Single-Sideband Millimeter-Wave Signals by Using Low-Frequency Local Oscillator Signal. *IEEE Photonics Technology Letters*, **2008**, 20, 478-480	2.2	62
57	An Anchor-Board-Based Flexible Optoelectronic Harness for Off-Chip Optical Interconnects. *IEEE Photonics Technology Letters*, **2008**, 20, 839-841	2.2	2
56	Multiband Signal Generation and Dispersion-Tolerant Transmission Based on Photonic Frequency Tripling Technology for 60-GHz Radio-Over-Fiber Systems. *IEEE Photonics Technology Letters*, **2008**, 20, 1470-1472	2.2	59
55	Simultaneous Generation of Centralized Lightwaves and Double/Single Sideband Optical Millimeter-Wave Requiring Only Low-Frequency Local Oscillator Signals for Radio-Over-Fiber Systems. *Journal of Lightwave Technology*, **2008**, 26, 2653-2662	4	31
54	A Self-Survivable WDM-PON Architecture with Centralized Wavelength Monitoring, Protection and Restoration for both Upstream and Downstream Links **2008**,		8

53	Experimental Demonstration for Delivering 1-Gb/s OFDM Signals over 80-km SSMF in 40-GHz Radio-over-Fiber Access Systems **2008**,		10
52	A Simple WDM-PON Architecture to Simultaneously Provide Triple-play Services by Using One Single Modulator **2008**,		1
51	10□100-Gb/s transmissions using optical carrier suppression and separation technique and RZ-DQPSK modulation for metro-ethernet transport system **2008**,		1
50	Super-Broadband Optical Wireless Access Technologies **2008**,		18
49	Centralized, colorless, wavelength reusable 25GHz spaced DWDM-PON with 10 Gb/s DPSK downstream and re-modulated 10Gb/s duobinary upstream for next-generation local access system **2008**,		2
48	Centralized Lightwave WDM-PON Employing 16-QAM Intensity Modulated OFDM Downstream and OOK Modulated Upstream Signals. *IEEE Photonics Technology Letters*, **2008**, 20, 1545-1547	2.2	121
47	A Novel WDM-PON Architecture with Centralized Lightwaves in the OLT for Providing Triple Play Services **2007**,		2
46	Demonstration of a Novel WDM Passive Optical Network Architecture With Source-Free Optical Network Units. *IEEE Photonics Technology Letters*, **2007**, 19, 571-573	2.2	35
45	Bidirectional ROF Links Using Optically Up-Converted DPSK for Downstream and Remodulated OOK for Upstream. *IEEE Photonics Technology Letters*, **2007**, 19, 653-655	2.2	19
44	100-Gb/s Packet Signal Generation With Spectral Efficiency Larger Than 1 bit/Hz/s. *IEEE Photonics Technology Letters*, **2007**, 19, 1310-1312	2.2	1
43	Simultaneous Generation of Independent Wired and Wireless Services Using a Single Modulator in Millimeter-Wave-Band Radio-Over-Fiber Systems. *IEEE Photonics Technology Letters*, **2007**, 19, 1691-1693	2.2	58
42	Optical loss changes in siloxane polymer waveguides during thermal curing. *Journal of Applied Polymer Science*, **2007**, 106, 2320-2327	2.9	4
41	Testbed Demonstration and Analysis for Delivering Dual Services Simultaneously in a Single Radio-over-Fiber Access Platform **2007**,		3
40	A Novel Hybrid 10G/1G Coexisted TDM-PON Using Central Office Controlled Reflective Transmitters for Low-Cost Upstream 10G Services. *Conference Proceedings - Lasers and Electro-Optics Society Annual Meeting-LEOS*, **2007**,		1
39	A Novel Full-Duplex Wavelength-Reuse Optical-Wireless Architecture with Directly Modulated SOA as Upstream Colorless Amplified Modulator **2007**,		1
38	Experimental Demonstration of a Label-Switched and 50GHz Channel Spacing DWDM Network with 50Gb/s DQPSK Payload and 3.125Gb/s inversion-RZ OOK Label **2007**,		1
37	A Cost-Effective WDM-PON Configuration Employing Innovative Bi-directional Amplification **2007**,		6
36	A Novel Scalable Multistage DWDM PON Architecture Using Cascaded Optical Interleavers With Increasing Periodicities Controlled in Central Offices **2007**,		1

35	Demonstration of a Novel WDM-PON Access Network Compatible with ROF System to Provide 2.5Gb/s per Channel Symmetric Data Services **2007**,		6
34	Interleaved Bidirectional Transmission of 16 $times$ 10-Gb/s DWDM Signals Using DPSK Modulation Format and In-line Semiconductor Optical Amplifiers. *Journal of Lightwave Technology*, **2007**, 25, 325-334	4	1
33	Key Enabling Technologies for Optical–Wireless Networks: Optical Millimeter-Wave Generation, Wavelength Reuse, and Architecture. *Journal of Lightwave Technology*, **2007**, 25, 3452-3471	4	211
32	A Novel Dispersion-Free Interleaver for Bidirectional DWDM Transmission Systems. *Journal of Lightwave Technology*, **2007**, 25, 3543-3554	4	5
31	Alternate Multiwavelength Picosecond Pulse Generation by Use of an Unbalanced Mach–Zehnder Interferometer in a Mode-locked Fiber Ring Laser. *IEEE Journal of Quantum Electronics*, **2007**, 43, 85-96	2	2
30	Design and Implementation of A Low Cost, Integrated Platform for Delivering Super-Broadband Dual Services Simultaneously **2006**,		5
29	A Full-Duplex Radio-over-Fiber System with 2.5Gbit/s Data Symmetric Delivery over 40km SMF-28 **2006**,		1
28	Super Broadband Optical Wireless over Optical Fiber Network Architecture **2006**,		5
27	OPN09-05: An SLA-Aware Transport Protocol for High Throughput Wide Area Ethernet Services. *IEEE Global Telecommunications Conference (GLOBECOM)*, **2006**,		4
26	A Bi-directional Radio-over-Fiber System with All-optical Up-converted DPSK for Downstream and Re-modulated OOK for Upstream **2006**,		5
25	Numerical and experimental study of an alternate multiwavelength mode-locked fiber ring laser **2006**,		1
24	Novel optical-wireless access network architecture for providing broadband wireless and wired services **2006**,		1
23	Enabling Technologies for Next-Generation Optical Packet-Switching Networks. *Proceedings of the IEEE*, **2006**, 94, 892-910	14.3	31
22	A new scheme for bidirectional WDM-PON using upstream and downstream channels generated by optical carrier suppression and separation technique. *IEEE Photonics Technology Letters*, **2006**, 18, 340-342	2.2	40
21	Optical millimeter-wave generation or up-conversion using external modulators. *IEEE Photonics Technology Letters*, **2006**, 18, 265-267	2.2	331
20	DWDM reconfigurable optical delay buffer for optical packet switched networks. *IEEE Photonics Technology Letters*, **2006**, 18, 1176-1178	2.2	10
19	DWDM optical millimeter-wave generation for radio-over-fiber using an optical phase modulator and an optical interleaver. *IEEE Photonics Technology Letters*, **2006**, 18, 1418-1420	2.2	80
18	A novel scheme for generating optical dark return-to-zero pulses and its application in a label switching optical network. *IEEE Photonics Technology Letters*, **2006**, 18, 1524-1526	2.2	9

17	A full-duplex radio-over-fiber system based on optical carrier suppression and reuse. *IEEE Photonics Technology Letters*, **2006**, 18, 1726-1728	2.2	154
16	Board-level optical-to-electrical signal distribution at 10 gb/s. *IEEE Photonics Technology Letters*, **2006**, 18, 1828-1830	2.2	3
15	Label erasure using an imbalanced NOLM and its application in a 40-gb/s label switching optical network. *Journal of Lightwave Technology*, **2006**, 24, 271-276	4	2
14	Performance characterization and optimization of high-speed ON-OFF optical-signal reflectors in a folded-path time-delay buffer. *Journal of Lightwave Technology*, **2006**, 24, 365-379	4	3
13	Same Wavelength Packet Switching in Optical Label Switched Networks. *Journal of Lightwave Technology*, **2006**, 24, 4838-4849	4	5
12	Multirate payload switching using a swappable optical carrier suppressed label in a packet-switched DWDM optical network. *Journal of Lightwave Technology*, **2005**, 23, 196-202	4	9
11	Optical carrier suppression and separation label-switching techniques. *Journal of Lightwave Technology*, **2005**, 23, 3372-3387	4	15
10	All-optical label swapping for same wavelength data switching using optical carrier suppression, separation and without regular wavelength converter. *IEEE Photonics Technology Letters*, **2005**, 17, 1127-1129	2.2	7
9	Detecting burst-mode optical label or payload generated by OCSS technique using conventional receivers. *IEEE Photonics Technology Letters*, **2005**, 17, 1567-1569	2.2	3
8	Seamless integration of an 8/spl times/2.5 Gb/s WDM-PON and radio-over-fiber using all-optical up-conversion based on Raman-assisted FWM. *IEEE Photonics Technology Letters*, **2005**, 17, 1986-1988	2.2	88
7	All-optical 16 /spl times/ 2.5 Gb/s WDM signal simultaneous up-conversion based on XPM in an NOLM in ROF systems. *IEEE Photonics Technology Letters*, **2005**, 17, 2724-2726	2.2	37
6	The SOP for miniaturized, mixed-signal computing, communication, and consumer systems of the next decade. *IEEE Transactions on Advanced Packaging*, **2004**, 27, 250-267		90
5	A novel technique for optical label and payload generation and multiplexing using optical carrier suppression and separation. *IEEE Photonics Technology Letters*, **2004**, 16, 320-322	2.2	44
4	Optical label swapping in a packet-switched optical network using optical carrier suppression, separation, and wavelength conversion. *IEEE Photonics Technology Letters*, **2004**, 16, 2156-2158	2.2	16
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