

Gee-Kung Chang

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Optical millimeter-wave generation or up-conversion using external modulators. <i>IEEE Photonics Technology Letters</i> , 2006 , 18, 265-267	2.2	331
177	Key Enabling Technologies for Optical Wireless Networks: Optical Millimeter-Wave Generation, Wavelength Reuse, and Architecture. <i>Journal of Lightwave Technology</i> , 2007 , 25, 3452-3471	4	211
176	A full-duplex radio-over-fiber system based on optical carrier suppression and reuse. <i>IEEE Photonics Technology Letters</i> , 2006 , 18, 1726-1728	2.2	154
175	Centralized Lightwave WDM-PON Employing 16-QAM Intensity Modulated OFDM Downstream and OOK Modulated Upstream Signals. <i>IEEE Photonics Technology Letters</i> , 2008 , 20, 1545-1547	2.2	121
174	Multichannel 120-Gb/s Data Transmission Over 2 \times 2 MIMO Fiber-Wireless Link at W-Band. <i>IEEE Photonics Technology Letters</i> , 2013 , 25, 780-783	2.2	108
173	The SOP for miniaturized, mixed-signal computing, communication, and consumer systems of the next decade. <i>IEEE Transactions on Advanced Packaging</i> , 2004 , 27, 250-267		90
172	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. <i>IEEE Photonics Technology Letters</i> , 2005 , 17, 1986-1988	2.2	88
171	DWDM optical millimeter-wave generation for radio-over-fiber using an optical phase modulator and an optical interleaver. <i>IEEE Photonics Technology Letters</i> , 2006 , 18, 1418-1420	2.2	80
170	Key Microwave-Photonics Technologies for Next-Generation Cloud-Based Radio Access Networks. <i>Journal of Lightwave Technology</i> , 2014 , 32, 3452-3460	4	76
169	Dual-Wavelength Single-Longitudinal-Mode Tm-Doped Fiber Laser Using PM-CMFBG. <i>IEEE Photonics Technology Letters</i> , 2015 , 27, 951-954	2.2	66
168	Radio-Over-Fiber Access Architecture for Integrated Broadband Wireless Services. <i>Journal of Lightwave Technology</i> , 2013 , 31, 3614-3620	4	65
167	A Novel Scheme to Generate Single-Sideband Millimeter-Wave Signals by Using Low-Frequency Local Oscillator Signal. <i>IEEE Photonics Technology Letters</i> , 2008 , 20, 478-480	2.2	62
166	Multiband Signal Generation and Dispersion-Tolerant Transmission Based on Photonic Frequency Tripling Technology for 60-GHz Radio-Over-Fiber Systems. <i>IEEE Photonics Technology Letters</i> , 2008 , 20, 1470-1472	2.2	59
165	Simultaneous Generation of Independent Wired and Wireless Services Using a Single Modulator in Millimeter-Wave-Band Radio-Over-Fiber Systems. <i>IEEE Photonics Technology Letters</i> , 2007 , 19, 1691-1693	2.2	58
164	Advanced System Technologies and Field Demonstration for In-Building Optical-Wireless Network With Integrated Broadband Services. <i>Journal of Lightwave Technology</i> , 2009 , 27, 1920-1927	4	51
163	A Novel Bidirectional 60-GHz Radio-Over-Fiber Scheme With Multiband Signal Generation Using a Single Intensity Modulator. <i>IEEE Photonics Technology Letters</i> , 2009 , 21, 1338-1340	2.2	51
162	Key Technologies for Next-Generation Digital RoF Mobile Fronthaul With Statistical Data Compression and Multiband Modulation. <i>Journal of Lightwave Technology</i> , 2017 , 35, 3671-3679	4	46

161	A novel technique for optical label and payload generation and multiplexing using optical carrier suppression and separation. <i>IEEE Photonics Technology Letters</i> , 2004 , 16, 320-322	2.2	44
160	A new scheme for bidirectional WDM-PON using upstream and downstream channels generated by optical carrier suppression and separation technique. <i>IEEE Photonics Technology Letters</i> , 2006 , 18, 340-342 ²	2.2	40
159	Photonics-Assisted Technologies for Extreme Broadband 5G Wireless Communications. <i>Journal of Lightwave Technology</i> , 2019 , 37, 2851-2865	4	39
158	A Novel Lightwave Centralized Bidirectional Hybrid Access Network: Seamless Integration of RoF With WDM-OFDM-PON. <i>IEEE Photonics Technology Letters</i> , 2011 , 23, 1085-1087	2.2	38
157	Applications of 40-Gb/s Chirp-Managed Laser in Access and Metro Networks. <i>Journal of Lightwave Technology</i> , 2009 , 27, 253-265	4	38
156	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. <i>IEEE Photonics Technology Letters</i> , 2008 , 20, 2081-2083	2.2	38
155	All-optical 16 /spl times/ 2.5 Gb/s WDM signal simultaneous up-conversion based on XPM in an NOLM in ROF systems. <i>IEEE Photonics Technology Letters</i> , 2005 , 17, 2724-2726	2.2	37
154	Multiband 60-GHz Wireless Over Fiber Access System With High Dispersion Tolerance Using Frequency Tripling Technique. <i>Journal of Lightwave Technology</i> , 2011 , 29, 1105-1111	4	36
153	Fiber-wireless integrated mobile backhaul network based on a hybrid millimeter-wave and free-space-optics architecture with an adaptive diversity combining technique. <i>Optics Letters</i> , 2016 , 41, 1909-12	3	36
152	Demonstration of a Novel WDM Passive Optical Network Architecture With Source-Free Optical Network Units. <i>IEEE Photonics Technology Letters</i> , 2007 , 19, 571-573	2.2	35
151	Frequency-Quadrupling Vector mm-Wave Signal Generation by Only One Single-Drive MZM. <i>IEEE Photonics Technology Letters</i> , 2016 , 28, 1302-1305	2.2	33
150	Experimental Demonstration of 48-Gb/s PDM-QPSK Radio-Over-Fiber System Over 40-GHz mm-Wave MIMO Wireless Transmission. <i>IEEE Photonics Technology Letters</i> , 2012 , 24, 2276-2279	2.2	33
149	A Multilevel Artificial Neural Network Nonlinear Equalizer for Millimeter-Wave Mobile Fronthaul Systems. <i>Journal of Lightwave Technology</i> , 2017 , 35, 4406-4417	4	32
148	Simultaneous Generation of Centralized Lightwaves and Double/Single Sideband Optical Millimeter-Wave Requiring Only Low-Frequency Local Oscillator Signals for Radio-Over-Fiber Systems. <i>Journal of Lightwave Technology</i> , 2008 , 26, 2653-2662	4	31
147	Enabling Technologies for Next-Generation Optical Packet-Switching Networks. <i>Proceedings of the IEEE</i> , 2006 , 94, 892-910	14.3	31
146	A dynamically reconfigurable folded-path time delay buffer for optical packet switching. <i>IEEE Photonics Technology Letters</i> , 2004 , 16, 2559-2561	2.2	31
145	An Ultra-Reliable MMW/FSO A-RoF System Based on Coordinated Mapping and Combining Technique for 5G and Beyond Mobile Fronthaul. <i>Journal of Lightwave Technology</i> , 2018 , 36, 4952-4959	4	31
144	Full-Duplex Quasi-Gapless Carrier Aggregation Using FBMC in Centralized Radio-Over-Fiber Heterogeneous Networks. <i>Journal of Lightwave Technology</i> , 2017 , 35, 989-996	4	30

143	Multi-Band Transport Technologies for In-Building Host-Neutral Wireless Over Fiber Access Systems. <i>Journal of Lightwave Technology</i> , 2010 , 28, 2406-2415	4	28
142	Adaptive Photonics-Aided Coordinated Multipoint Transmissions for Next-Generation Mobile Fronthaul. <i>Journal of Lightwave Technology</i> , 2014 , 32, 1907-1914	4	26
141	Nonlinear Inter-Band Subcarrier Intermodulations of Multi-RAT OFDM Wireless Services in 5G Heterogeneous Mobile Fronthaul Networks. <i>Journal of Lightwave Technology</i> , 2016 , 34, 4089-4103	4	25
140	Power-Division Non-Orthogonal Multiple Access (NOMA) in Flexible Optical Access With Synchronized Downlink/Asynchronous Uplink. <i>Journal of Lightwave Technology</i> , 2017 , 35, 4145-4152	4	22
139	Non-Orthogonal Multiple Access With Successive Interference Cancellation in Millimeter-Wave Radio-Over-Fiber Systems. <i>Journal of Lightwave Technology</i> , 2016 , 34, 4179-4186	4	21
138	Coordinated Multipoint Transmissions in Millimeter-Wave Radio-Over-Fiber Systems. <i>Journal of Lightwave Technology</i> , 2016 , 34, 653-660	4	21
137	Efficient Delivery of Integrated Wired and Wireless Services in UDWDM-RoF-PON Coherent Access Network. <i>IEEE Photonics Technology Letters</i> , 2012 , 24, 1127-1129	2.2	21
136	Orthogonal Multiband CAP Modulation Based on Offset-QAM and Advanced Filter Design in Spectral Efficient MMW RoF Systems. <i>Journal of Lightwave Technology</i> , 2017 , 35, 997-1005	4	20
135	Digital Pre- and Post-Equalization for C-Band 112-Gb/s PAM4 Short-Reach Transport Systems. <i>Journal of Lightwave Technology</i> , 2020 , 38, 4683-4690	4	20
134	Bidirectional ROF Links Using Optically Up-Converted DPSK for Downstream and Remodulated OOK for Upstream. <i>IEEE Photonics Technology Letters</i> , 2007 , 19, 653-655	2.2	19
133	4×10^5 -Gb/s PAM-4 FSO Transmission Based on Polarization Modulation and Direct Detection. <i>IEEE Photonics Technology Letters</i> , 2019 , 31, 755-758	2.2	18
132	Simultaneous Transmission of Wireless and Wireline Services Using a Single 60-GHz Radio-Over-Fiber Channel by Coherent Subcarrier Modulation. <i>IEEE Photonics Technology Letters</i> , 2009 , 21, 1127-1129	2.2	18
131	Super-Broadband Optical Wireless Access Technologies 2008 ,		18
130	Photonics-Aided Millimeter-Wave Technologies for Extreme Mobile Broadband Communications in 5G. <i>Journal of Lightwave Technology</i> , 2020 , 38, 366-378	4	18
129	Real-Time Demonstration of Adaptive Functional Split in 5G Flexible Mobile Fronthaul Networks 2018 ,		17
128	A Novel ANN Equalizer to Mitigate Nonlinear Interference in Analog-RoF Mobile Fronthaul. <i>IEEE Photonics Technology Letters</i> , 2018 , 30, 1675-1678	2.2	16
127	Sub-Band Pre-Distortion for PAPR Reduction in Spectral Efficient 5G Mobile Fronthaul. <i>IEEE Photonics Technology Letters</i> , 2017 , 29, 122-125	2.2	16
126	Optical label swapping in a packet-switched optical network using optical carrier suppression, separation, and wavelength conversion. <i>IEEE Photonics Technology Letters</i> , 2004 , 16, 2156-2158	2.2	16

125	Heterodyne Optical Carrier Suppression for Millimeter-Wave-over-Fiber Systems. <i>Journal of Lightwave Technology</i> , 2013 , 31, 3210-3216	4	15
124	A Bidirectional 60-GHz Wireless-Over-Fiber Transport System With Centralized Local Oscillator Service Delivered to Mobile Terminals and Base Stations. <i>IEEE Photonics Technology Letters</i> , 2012 , 24, 1984-1987	2.2	15
123	Optical carrier suppression and separation label-switching techniques. <i>Journal of Lightwave Technology</i> , 2005 , 23, 3372-3387	4	15
122	Enhanced Multi-Level Signal Recovery in Mobile Fronthaul Network Using DNN Decoder. <i>IEEE Photonics Technology Letters</i> , 2018 , 30, 1511-1514	2.2	14
121	Demonstration of Real-Time Software Reconfigurable Dynamic Power-and-Subcarrier Allocation Scheme for OFDM-NOMA-Based Multi-User Visible Light Communications. <i>Journal of Lightwave Technology</i> , 2019 , 37, 4401-4409	4	14
120	132-Gb/s Photonics-Aided Single-Carrier Wireless Terahertz-Wave Signal Transmission at 450GHz Enabled by 64QAM Modulation and Probabilistic Shaping 2019 ,		14
119	. <i>Journal of Lightwave Technology</i> , 2020 , 38, 1221-1229	4	14
118	Polarization-Tracking-Free PDM Supporting Hybrid Digital-Analog Transport for Fixed-Mobile Systems. <i>IEEE Photonics Technology Letters</i> , 2019 , 31, 54-57	2.2	14
117	Generation of Multiband Signals in a Bidirectional Wireless Over Fiber System With High Scalability Using Heterodyne Mixing Technique. <i>IEEE Photonics Technology Letters</i> , 2012 , 24, 1621-1624	2.2	13
116	A Reliable OFDM-Based MMW Mobile Fronthaul With DSP-Aided Sub-Band Spreading and Time-Confined Windowing. <i>Journal of Lightwave Technology</i> , 2019 , 37, 3236-3243	4	12
115	Wavelength Resource Sharing in Bidirectional Optical Mobile Fronthaul. <i>Journal of Lightwave Technology</i> , 2015 , 33, 3182-3188	4	12
114	Efficient Optical Millimeter-Wave Generation Using a Frequency-Tripling Fabry-Pérot Laser With Sideband Injection and Synchronization. <i>IEEE Photonics Technology Letters</i> , 2011 , 23, 1325-1327	2.2	12
113	Multi-IF-Over-Fiber Based Mobile Fronthaul With Blind Linearization and Flexible Dispersion Induced Bandwidth Penalty Mitigation. <i>Journal of Lightwave Technology</i> , 2019 , 37, 1424-1433	4	11
112	Multiservice Wireless Transport Over RoF Link With Colorless BS Using PolM-to-IM Converter. <i>IEEE Photonics Technology Letters</i> , 2015 , 27, 403-406	2.2	11
111	A Long-Distance Millimeter-Wave RoF System With a Low-Cost Directly Modulated Laser. <i>IEEE Photonics Technology Letters</i> , 2018 , 30, 1396-1399	2.2	11
110	Adaptive Digitization and Variable Channel Coding for Enhancement of Compressed Digital Mobile Fronthaul in PAM-4 Optical Links. <i>Journal of Lightwave Technology</i> , 2017 , 35, 4714-4720	4	10
109	Key Fiber Wireless Integrated Radio Access Technologies for 5G and Beyond 2019 ,		10
108	135-GHz D-Band 60-Gbps PAM-8 Wireless Transmission Employing a Joint DNN Equalizer With BP and CMMA. <i>Journal of Lightwave Technology</i> , 2020 , 38, 3592-3601	4	10

107	Orthogonal Single-Sideband Signal Generation Using Improved Sagnac-Loop-Based Modulator. <i>IEEE Photonics Technology Letters</i> , 2014 , 26, 2229-2231	2.2	10
106	Experimental Demonstration for Delivering 1-Gb/s OFDM Signals over 80-km SSMF in 40-GHz Radio-over-Fiber Access Systems 2008 ,		10
105	DWDM reconfigurable optical delay buffer for optical packet switched networks. <i>IEEE Photonics Technology Letters</i> , 2006 , 18, 1176-1178	2.2	10
104	Spectral efficient DWDM optical label/payload generation and transport for next-generation Internet. <i>Journal of Lightwave Technology</i> , 2004 , 22, 2469-2482	4	10
103	. <i>IEEE Communications Magazine</i> , 2020 , 58, 60-66	9.1	10
102	Orthogonal and Sparse Chirp Division Multiplexing for MMW Fiber-Wireless Integrated Systems. <i>IEEE Photonics Technology Letters</i> , 2017 , 29, 1316-1319	2.2	9
101	Enhanced Vector Signal Transmission Over Double-Sideband Carrier-Suppressed Optical Millimeter-Waves Through a Small LO Feedthrough. <i>IEEE Photonics Technology Letters</i> , 2012 , 24, 173-175 ^{2.2}		9
100	Wavelength Converter for Polarization-Multiplexed 100-G Transmission With Multilevel Modulation Using a Bismuth Oxide-Based Nonlinear Fiber. <i>IEEE Photonics Technology Letters</i> , 2010 , 22, 1832-1834	2.2	9
99	Multirate payload switching using a swappable optical carrier suppressed label in a packet-switched DWDM optical network. <i>Journal of Lightwave Technology</i> , 2005 , 23, 196-202	4	9
98	A novel scheme for generating optical dark return-to-zero pulses and its application in a label switching optical network. <i>IEEE Photonics Technology Letters</i> , 2006 , 18, 1524-1526	2.2	9
97	Unified Performance Analysis of Hybrid FSO/RF System With Diversity Combining. <i>Journal of Lightwave Technology</i> , 2020 , 38, 6788-6800	4	9
96	Next-generation E-health communication infrastructure using converged super-broadband optical and wireless access system 2010 ,		8
95	A Self-Survivable WDM-PON Architecture with Centralized Wavelength Monitoring, Protection and Restoration for both Upstream and Downstream Links 2008 ,		8
94	Non-Orthogonal Uplink Services Through Co-Transport of D-RoF/A-RoF in Mobile Fronthaul. <i>Journal of Lightwave Technology</i> , 2020 , 38, 3637-3643	4	8
93	Grand Challenges of Fiber Wireless Convergence for 5G Mobile Data Communications 2018 ,		8
92	Asynchronous Multi-User Uplink Transmissions for 5G with UFMC Waveform 2017 ,		7
91	The benefits of convergence. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2016 , 374,	3	7
90	Low-Latency Synchronous Clock Distribution and Recovery for DWDM-OFDMA-Based Optical Mobile Backhaul. <i>Journal of Lightwave Technology</i> , 2014 , 32, 2012-2018	4	7

89	100GHz microwave photonics link technologies for next-generation WiFi and 5G wireless communications 2013 ,		7
88	Experimental Demonstration of 120-Gb/s Nyquist PAM8-SCFDE for Short-Reach Optical Communication. <i>IEEE Photonics Journal</i> , 2015 , 7, 1-5	1.8	7
87	Energy-Efficient Multi-Access Technologies for Very-High-Throughput Avionic Millimeter Wave, Wireless Sensor Communication Networks. <i>Journal of Lightwave Technology</i> , 2010 , 28, 2398-2405	4	7
86	All-optical label swapping for same wavelength data switching using optical carrier suppression, separation and without regular wavelength converter. <i>IEEE Photonics Technology Letters</i> , 2005 , 17, 1127-1129	2.2	7
85	Mm-Wave Vector Signal Generation and Transport for W-band MIMO System with Intensity Modulation and Direct Detection 2016 ,		7
84	Bandwidth-Enhanced PAM-4 Transmissions Using Polarization Modulation and Direct Detection With a Tunable Frequency Range. <i>Journal of Lightwave Technology</i> , 2019 , 37, 1014-1022	4	7
83	Investigation of Pre-Equalization Technique for Pluggable CFP2-ACO Transceivers in Beyond 100 Gb/s Transmissions. <i>Journal of Lightwave Technology</i> , 2017 , 35, 230-237	4	6
82	Fiber-wireless integration for future mobile communications 2017 ,		6
81	Polarization-Insensitive Remote Access Unit for Radio-Over-Fiber Mobile Fronthaul System by Reusing Polarization Orthogonal Light Waves. <i>IEEE Photonics Journal</i> , 2016 , 8, 1-8	1.8	6
80	In-Band Crosstalk Transmission Penalties on 112-Gb/s PDM-QPSK Optical Links. <i>IEEE Photonics Technology Letters</i> , 2011 , 23, 745-747	2.2	6
79	On Frequency-Doubled Optical Millimeter-Wave Generation Technique Without Carrier Suppression for In-Building Wireless Over Fiber Applications. <i>IEEE Photonics Technology Letters</i> , 2010 , 22, 182-184	2.2	6
78	A Cost-Effective WDM-PON Configuration Employing Innovative Bi-directional Amplification 2007 ,		6
77	Demonstration of a Novel WDM-PON Access Network Compatible with ROF System to Provide 2.5Gb/s per Channel Symmetric Data Services 2007 ,		6
76	Optical Signal Processing for W-Band Radio-Over-Fiber System With Tunable Frequency Response. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2021 , 27, 1-8	3.8	6
75	Efficient Mobile Fronthaul Incorporating VLC Links for Coordinated Densified Cells. <i>IEEE Photonics Technology Letters</i> , 2017 , 29, 1059-1062	2.2	5
74	Performance Enhancement of Optical Comb Based Microwave Photonic Filter by Machine Learning Technique. <i>Journal of Lightwave Technology</i> , 2020 , 38, 5302-5310	4	5
73	Design and Implementation of A Low Cost, Integrated Platform for Delivering Super-Broadband Dual Services Simultaneously 2006 ,		5
72	Super Broadband Optical Wireless over Optical Fiber Network Architecture 2006 ,		5

71	A Bi-directional Radio-over-Fiber System with All-optical Up-converted DPSK for Downstream and Re-modulated OOK for Upstream 2006 ,		5
70	A Novel Dispersion-Free Interleaver for Bidirectional DWDM Transmission Systems. <i>Journal of Lightwave Technology</i> , 2007 , 25, 3543-3554	4	5
69	Same Wavelength Packet Switching in Optical Label Switched Networks. <i>Journal of Lightwave Technology</i> , 2006 , 24, 4838-4849	4	5
68	A Bi-Directional Multi-Band, Multi-Beam mm-Wave Beamformer for 5G Fiber Wireless Access Networks. <i>Journal of Lightwave Technology</i> , 2021 , 39, 1116-1124	4	5
67	Simple Multi-RAT RoF System With 2×2 MIMO Wireless Transmission. <i>IEEE Photonics Technology Letters</i> , 2019 , 31, 1025-1028	2.2	4
66	Low complexity non decision directed blind carrier phase recovery algorithm for 16-QAM optical coherent receiver 2012 ,		4
65	Optimization of Vector Signal Delivery Over Double-Sideband Carrier-Suppressed Optical Millimeter-Waves Through DC Coupling. <i>IEEE Photonics Technology Letters</i> , 2011 , 23, 789-791	2.2	4
64	Toward a 60-GHz wireless, low-power, high-throughput memory access system. <i>Microwave and Optical Technology Letters</i> , 2009 , 51, 2969-2973	1.2	4
63	Optical loss changes in siloxane polymer waveguides during thermal curing. <i>Journal of Applied Polymer Science</i> , 2007 , 106, 2320-2327	2.9	4
62	OPN09-05: An SLA-Aware Transport Protocol for High Throughput Wide Area Ethernet Services. <i>IEEE Global Telecommunications Conference (GLOBECOM)</i> , 2006 ,		4
61	Delay-aware Cellular Traffic Scheduling with Deep Reinforcement Learning 2020 ,		4
60	Real-Time FPGA Demonstration of Hybrid Bi-directional MMW and FSO Fronthaul Architecture 2019 ,		4
59	Tunable Microwave Photonic Filter for Millimeter-wave Mobile Fronthaul Systems 2018 ,		4
58	DRL-Based Channel and Latency Aware Radio Resource Allocation for 5G Service-Oriented RoF-MmWave RAN. <i>Journal of Lightwave Technology</i> , 2021 , 39, 5706-5714	4	4
57	D-Band mm-Wave SSB Vector Signal Generation Based on Cascaded Intensity Modulators. <i>IEEE Photonics Journal</i> , 2020 , 12, 1-11	1.8	3
56	Very-high-throughput millimeter-wave system oriented for health monitoring applications 2011 ,		3
55	Edge viewing photodetectors for strictly in-plane lightwave circuit integration and flexible optical interconnects		3
54	Testbed Demonstration and Analysis for Delivering Dual Services Simultaneously in a Single Radio-over-Fiber Access Platform 2007 ,		3

53	Detecting burst-mode optical label or payload generated by OCSS technique using conventional receivers. <i>IEEE Photonics Technology Letters</i> , 2005 , 17, 1567-1569	2.2	3
52	Board-level optical-to-electrical signal distribution at 10 gb/s. <i>IEEE Photonics Technology Letters</i> , 2006 , 18, 1828-1830	2.2	3
51	Performance characterization and optimization of high-speed ON-OFF optical-signal reflectors in a folded-path time-delay buffer. <i>Journal of Lightwave Technology</i> , 2006 , 24, 365-379	4	3
50	The Impact of Local Oscillator Frequency Jitter and Laser Linewidth to Ultra High Baud Rate Coherent Systems. <i>Journal of Lightwave Technology</i> , 2020 , 38, 1138-1147	4	3
49	Modulation Format Shifting Scheme for Optical Camera Communication. <i>IEEE Photonics Technology Letters</i> , 2020 , 32, 1167-1170	2.2	3
48	Broadband IF-Over-Fiber Transmission Based on a Polarization Modulator. <i>IEEE Photonics Technology Letters</i> , 2018 , 30, 2087-2090	2.2	3
47	A Simplified Radio-Over-Fiber System for Over 100-km Long-Reach n-QAM Transmission. <i>IEEE Photonics Journal</i> , 2020 , 12, 1-8	1.8	2
46	Rate Redundancy and Entropy Allocation for PAS-OFDM Based Mobile Fronthaul. <i>Journal of Lightwave Technology</i> , 2020 , 38, 4260-4269	4	2
45	Ubiquitous Coverage Next Generation Access Networks Based on Fiber/FSO Convergence with OBI-free Heterodyne Detection 2019 ,		2
44	Efficient Power-Division NOMA for Intelligent Optical Access Network Enabled by Deep Learning 2019 ,		2
43	Dual pump brillouin laser for RoF millimeterwave carrier generation with tunable resolution 2015 ,		2
42	Spectral Shape Impact of Nonlinear Compensator Signal in LTE RoF System. <i>IEEE Photonics Technology Letters</i> , 2015 , 27, 2481-2484	2.2	2
41	A hybrid MAC protocol design for energy-efficient very-high-throughput millimeter wave wireless sensor communication networks 2010 ,		2
40	Converged broadband optical and wireless communication infrastructure for next-generation telehealth 2010 ,		2
39	Offset QPSK for 112 Gb/s coherent optical links 2010 ,		2
38	An Anchor-Board-Based Flexible Optoelectronic Harness for Off-Chip Optical Interconnects. <i>IEEE Photonics Technology Letters</i> , 2008 , 20, 839-841	2.2	2
37	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
36	A Novel WDM-PON Architecture with Centralized Lightwaves in the OLT for Providing Triple Play Services 2007 ,		2

35	Alternate Multiwavelength Picosecond Pulse Generation by Use of an Unbalanced Mach-Zehnder Interferometer in a Mode-locked Fiber Ring Laser. <i>IEEE Journal of Quantum Electronics</i> , 2007 , 43, 85-96	2	2
34	Label erasure using an imbalanced NOLM and its application in a 40-gb/s label switching optical network. <i>Journal of Lightwave Technology</i> , 2006 , 24, 271-276	4	2
33	RF Fading Circumvention Using a Polarization Modulator for Supporting W-Band RoF Transport from 85 to 95 GHz 2020 ,		2
32	Low-complexity equalizer with a hybrid decision scheme for 50 Gb/s/PAM4-PON using a low-cost 10 G receiver. <i>Optics Letters</i> , 2020 , 45, 6278-6281	3	2
31	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
30	Experimental Demonstration of C-band 112-Gb/s PAM4 over 20-km SSMF with Joint Pre- and Post-equalization 2020 ,		2
29	Entropy Allocation Optimization for PS-OFDM With Constellation Partitioning Based Modeling. <i>Journal of Lightwave Technology</i> , 2020 , 38, 6024-6030	4	2
28	Simultaneous Nonlinear Self-Interference Cancellation and Signal of Interest Recovery Using Dual Input Deep Neural Network in New Radio Access Networks. <i>Journal of Lightwave Technology</i> , 2021 , 39, 2046-2051	4	2
27	An Artificial Neural Network MIMO Demultiplexer for Small-Cell MM-Wave RoF Coordinated Multi-Point Transmission System 2018 ,		2
26	Semi-Supervised and Supervised Nonlinear Equalizers in Fiber-FSO Converged System. <i>Journal of Lightwave Technology</i> , 2021 , 39, 6175-6181	4	2
25	Orthogonal polarization modulation based fully coherent self-heterodyne detection for future UDWDM-PON 2015 ,		1
24	Non-overlapping downlink and uplink wavelength reuse in WDM-PON employing microwave photonic techniques 2014 ,		1
23	Millimeter-wave, multi-access wireless over fiber technologies and applications 2012 ,		1
22	A Carrier-Ethernet oriented transport protocol with a novel congestion control and QoS integration: Analytical, simulated and experimental validation 2012 ,		1
21	Architectures and technologies for very high throughput in-building wireless services using radio-over-fiber networks 2009 ,		1
20	Optical Packet-Switched Network Employing Optically Labeled 114-Gb/s RZ-8PSK Packet Signals Through Straight-Line Optical Wavelength-Selective Switching Nodes. <i>IEEE Photonics Technology Letters</i> , 2008 , 20, 1639-1641	2.2	1
19	A Simple WDM-PON Architecture to Simultaneously Provide Triple-play Services by Using One Single Modulator 2008 ,		1
18	100-Gb/s transmissions using optical carrier suppression and separation technique and RZ-DQPSK modulation for metro-ethernet transport system 2008 ,		1

17	100-Gb/s Packet Signal Generation With Spectral Efficiency Larger Than 1 bit/Hz/s. <i>IEEE Photonics Technology Letters</i> , 2007 , 19, 1310-1312	2.2	1
16	A Full-Duplex Radio-over-Fiber System with 2.5Gbit/s Data Symmetric Delivery over 40km SMF-28 2006 ,		1
15	Numerical and experimental study of an alternate multiwavelength mode-locked fiber ring laser 2006 ,		1
14	Novel optical-wireless access network architecture for providing broadband wireless and wired services 2006 ,		1
13	A Novel Hybrid 10G/1G Coexisted TDM-PON Using Central Office Controlled Reflective Transmitters for Low-Cost Upstream 10G Services. <i>Conference Proceedings - Lasers and Electro-Optics Society Annual Meeting-LEOS</i> , 2007 ,		1
12	A Novel Full-Duplex Wavelength-Reuse Optical-Wireless Architecture with Directly Modulated SOA as Upstream Colorless Amplified Modulator 2007 ,		1
11	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
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9	Interleaved Bidirectional Transmission of 16 \times 10-Gb/s DWDM Signals Using DPSK Modulation Format and In-line Semiconductor Optical Amplifiers. <i>Journal of Lightwave Technology</i> , 2007 , 25, 325-334	4	1
8	Optical comb generator with flat-topped spectral response using one electroabsorption-modulated laser and one phase modulator. <i>Optical Engineering</i> , 2020 , 59, 1	1.1	1
7	400G PAM-4 Transmission in Faster-than-Nyquist Systems Incorporating Eigenvalue-Space Precoding 2018 ,		1
6	Wide FoV Autonomous Beamformer Supporting Multiple Beams and Multi-Band Operation for 5G Mobile Fronthaul 2020 ,		1
5	Demonstration of Pattern Division Multiple Access With Message Passing Algorithm for Multi-Channel mmWave Uplinks via RoF Mobile Fronthaul. <i>Journal of Lightwave Technology</i> , 2020 , 38, 5908-5915	4	1
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