Gee-Kung Chang

List of Publications by Year
in descending order

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235	4,773	87723	118652
papers	citations	38 h-index	62 g-index

235	235	235	2154
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Optical millimeter-wave generation or up-conversion using external modulators. IEEE Photonics Technology Letters, 2006, 18, 265-267.	1.3	433
2	Key Enabling Technologies for Opticalâ€“Wireless Networks: Optical Millimeter-Wave Generation, Wavelength Reuse, and Architecture. Journal of Lightwave Technology, 2007, 25, 3452-3471.	2.7	283
3	A full-duplex radio-over-fiber system based on optical carrier suppression and reuse. IEEE Photonics Technology Letters, 2006, 18, 1726-1728.	1.3	197
4	Multichannel 120-Gb/s Data Transmission Over 2$,imes,$2 MIMO Fiber-Wireless Link at W-Band. IEEE Photonics Technology Letters, 2013, 25, 780-783.	1.3	151
5	Centralized Lightwave WDM-PON Employing 16-QAM Intensity Modulated OFDM Downstream and OOK Modulated Upstream Signals. IEEE Photonics Technology Letters, 2008, 20, 1545-1547.	1.3	141
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.	1.7	130
7	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.	1.3	110
8	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.	1.3	99
9	Key Microwave-Photonics Technologies for Next-Generation Cloud-Based Radio Access Networks. Journal of Lightwave Technology, 2014, 32, 3452-3460.	2.7	96
10	Radio-Over-Fiber Access Architecture for Integrated Broadband Wireless Services. Journal of Lightwave Technology, 2013, 31, 3614-3620.	2.7	91
11	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.	1.3	78
12	Dual-Wavelength Single-Longitudinal-Mode Tm-Doped Fiber Laser Using PM-CMFBG. IEEE Photonics Technology Letters, 2015, 27, 951-954.	1.3	78
13	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.	1.3	73
14	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.	1.3	71
15	Key Technologies for Next-Generation Digital RoF Mobile Fronthaul With Statistical Data Compression and Multiband Modulation. Journal of Lightwave Technology, 2017, 35, 3671-3679.	2.7	66
16	Photonics-Assisted Technologies for Extreme Broadband 5G Wireless Communications. Journal of Lightwave Technology, 2019, 37, 2851-2865.	2.7	62
17	Advanced System Technologies and Field Demonstration for In-Building Optical-Wireless Network With Integrated Broadband Services. Journal of Lightwave Technology, 2009, 27, 1920-1927.	2.7	61
18	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.	1.3	58

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19	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.	1.3	56
20	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.	1.3	55
21	A Multilevel Artificial Neural Network Nonlinear Equalizer for Millimeter-Wave Mobile Fronthaul Systems. Journal of Lightwave Technology, 2017, 35, 4406-4417.	2.7	53
22	Demonstration of a Novel WDM Passive Optical Network Architecture With Source-Free Optical Network Units. IEEE Photonics Technology Letters, 2007, 19, 571-573.	1.3	49
23	Enabling Technologies for Next-Generation Optical Packet-Switching Networks. Proceedings of the IEEE, 2006, 94, 892-910.	16.4	48
24	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.	1.3	48
25	A Novel Lightwave Centralized Bidirectional Hybrid Access Network: Seamless Integration of RoF With WDM-OFDM-PON. IEEE Photonics Technology Letters, 2011, 23, 1085-1087.	1.3	48
26	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.	2.7	48
27	Photonics-Aided Millimeter-Wave Technologies for Extreme Mobile Broadband Communications in 5G. Journal of Lightwave Technology, 2020, 38, 366-378.	2.7	48
28	Applications of 40-Gb/s Chirp-Managed Laser in Access and Metro Networks. Journal of Lightwave Technology, 2009, 27, 253-265.	2.7	47
29	Fiberâ€“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.	1.7	46
30	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.	1.3	45
31	Multiband 60-GHz Wireless Over Fiber Access System With High Dispersion Tolerance Using Frequency Tripling Technique. Journal of Lightwave Technology, 2011, 29, 1105-1111.	2.7	44
32	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.	1.3	43
33	Full-Duplex Quasi-Gapless Carrier Aggregation Using FBMC in Centralized Radio-Over-Fiber Heterogeneous Networks. Journal of Lightwave Technology, 2017, 35, 989-996.	2.7	43
34	Frequency-Quadrupling Vector mm-Wave Signal Generation by Only One Single-Drive MZM. IEEE Photonics Technology Letters, 2016, 28, 1302-1305.	1.3	42
35	A Dynamically Reconfigurable Folded-Path Time Delay Buffer for Optical Packet Switching. IEEE Photonics Technology Letters, 2004, 16, 2559-2561.	1.3	41
36	Power-Division Non-Orthogonal Multiple Access (NOMA) in Flexible Optical Access With Synchronized Downlink/Asynchronous Uplink. Journal of Lightwave Technology, 2017, 35, 4145-4152.	2.7	41

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37	Digital Pre- and Post-Equalization for C-Band 112-Gb/s PAM4 Short-Reach Transport Systems. Journal of Lightwave Technology, 2020, 38, 4683-4690.	2.7	40
38	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.	2.7	39
39	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.	2.7	39
40	Bidirectional ROF Links Using Optically Up-Converted DPSK for Downstream and Remodulated OOK for Upstream. IEEE Photonics Technology Letters, 2007, 19, 653-655.	1.3	35
41	Multi-Band Transport Technologies for In-Building Host-Neutral Wireless Over Fiber Access Systems. Journal of Lightwave Technology, 2010, 28, 2406-2415.	2.7	34
42	Coordinated Multipoint Transmissions in Millimeter-Wave Radio-Over-Fiber Systems. Journal of Lightwave Technology, 2016, 34, 653-660.	2.7	33
43	Key Enabling Technologies for the Post-5G Era: Fully Adaptive, All-Spectra Coordinated Radio Access Network with Function Decoupling. IEEE Communications Magazine, 2020, 58, 60-66.	4.9	33
44	A Full Field-of-View Self-Steering Beamformer for 5G mm-Wave Fiber-Wireless Mobile Fronthaul. Journal of Lightwave Technology, 2020, 38, 1221-1229.	2.7	32
45	Adaptive Photonics-Aided Coordinated Multipoint Transmissions for Next-Generation Mobile Fronthaul. Journal of Lightwave Technology, 2014, 32, 1907-1914.	2.7	31
46	Non-Orthogonal Multiple Access With Successive Interference Cancellation in Millimeter-Wave Radio-Over-Fiber Systems. Journal of Lightwave Technology, 2016, 34, 4179-4186.	2.7	30
47	Super-Broadband Optical Wireless Access Technologies. , 2008, , .		28
48	$4imes100$ -Gb/s PAM-4 FSO Transmission Based on Polarization Modulation and Direct Detection. IEEE Photonics Technology Letters, 2019, 31, 755-758.	1.3	28
49	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.	2.7	27
50	A Novel ANN Equalizer to Mitigate Nonlinear Interference in Analog-RoF Mobile Fronthaul. IEEE Photonics Technology Letters, 2018, 30, 1675-1678.	1.3	27
51	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
52	Efficient Delivery of Integrated Wired and Wireless Services in UDWDM-RoF-PON Coherent Access Network. IEEE Photonics Technology Letters, 2012, 24, 1127-1129.	1.3	25
53	Unified Performance Analysis of Hybrid FSO/RF System With Diversity Combining. Journal of Lightwave Technology, 2020, 38, 6788-6800.	2.7	25
54	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.	2.7	25

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55	132-Gb/s Photonics-Aided Single-Carrier Wireless Terahertz-Wave Signal Transmission at 450GHz Enabled by 64QAM Modulation and Probabilistic Shaping. , 2019, , .		24
56	Optical carrier suppression and separation label-switching techniques. Journal of Lightwave Technology, 2005, 23, 3372-3387.	2.7	23
57	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.	2.7	23
58	Polarization-Tracking-Free PDM Supporting Hybrid Digital-Analog Transport for Fixed-Mobile Systems. IEEE Photonics Technology Letters, 2019, 31, 54-57.	1.3	23
59	Real-Time Demonstration of Adaptive Functional Split in 5G Flexible Mobile Fronthaul Networks. , 2018, , .		23
60	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.	1.3	22
61	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.	1.3	22
62	Sub-Band Pre-Distortion for PAPR Reduction in Spectral Efficient 5G Mobile Fronthaul. IEEE Photonics Technology Letters, 2017, 29, 122-125.	1.3	22
63	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.	1.3	21
64	Heterodyne Optical Carrier Suppression for Millimeter-Wave-over-Fiber Systems. Journal of Lightwave Technology, 2013, 31, 3210-3216.	2.7	21
65	Efficient Optical Millimeter-Wave Generation Using a Frequency-Tripling Fabryâ€“PÃ©rot Laser With Sideband Injection and Synchronization. IEEE Photonics Technology Letters, 2011, 23, 1325-1327.	1.3	20
66	Enhanced Multi-Level Signal Recovery in Mobile Fronthaul Network Using DNN Decoder. IEEE Photonics Technology Letters, 2018, 30, 1511-1514.	1.3	20
67	Wavelength Resource Sharing in Bidirectional Optical Mobile Fronthaul. Journal of Lightwave Technology, 2015, 33, 3182-3188.	2.7	17
68	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.	2.7	17
69	A Long-Distance Millimeter-Wave RoF System With a Low-Cost Directly Modulated Laser. IEEE Photonics Technology Letters, 2018, 30, 1396-1399.	1.3	17
70	Non-Orthogonal Uplink Services Through Co-Transport of D-RoF/A-RoF in Mobile Fronthaul. Journal of Lightwave Technology, 2020, 38, 3637-3643.	2.7	17
71	Key Fiber Wireless Integrated Radio Access Technologies for 5G and Beyond. , 2019, , .		16
72	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.	2.7	16

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73	Delay-aware Cellular Traffic Scheduling with Deep Reinforcement Learning. , 2020, , .		16
74	Experimental Demonstration for Delivering 1-Gb/s OFDM Signals over 80-km SSMF in 40-GHz Radio-over-Fiber Access Systems. , 2008, , .		15
75	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.	1.3	15
76	A Bi-Directional Multi-Band, Multi-Beam mm-Wave Beamformer for 5G Fiber Wireless Access Networks. Journal of Lightwave Technology, 2021, 39, 1116-1124.	2.7	15
77	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.	2.7	14
78	DWDM reconfigurable optical delay buffer for optical packet switched networks. IEEE Photonics Technology Letters, 2006, 18, 1176-1178.	1.3	14
79	Energy-Efficient Multi-Access Technologies for Very-High-Throughput Avionic Millimeter Wave, Wireless Sensor Communication Networks. Journal of Lightwave Technology, 2010, 28, 2398-2405.	2.7	14
80	Orthogonal Single-Sideband Signal Generation Using Improved Sagnac-Loop-Based Modulator. IEEE Photonics Technology Letters, 2014, 26, 2229-2231.	1.3	14
81	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.	1.9	14
82	Spectral Efficient DWDM Optical Label/Payload Generation and Transport for Next-Generation Internet. Journal of Lightwave Technology, 2004, 22, 2469-2482.	2.7	13
83	Experimental Demonstration of 120-Gb/s Nyquist PAM8-SCFDE for Short-Reach Optical Communication. IEEE Photonics Journal, 2015, 7, 1-5.	1.0	13
84	Performance Enhancement of Optical Comb Based Microwave Photonic Filter by Machine Learning Technique. Journal of Lightwave Technology, 2020, 38, 5302-5310.	2.7	13
85	Demonstration of a Novel WDM-PON Access Network Compatible with ROF System to Provide 2.5Gb/s per Channel Symmetric Data Services. , 2007, , .		12
86	1–100GHz microwave photonics link technologies for next-generation WiFi and 5G wireless communications. , 2013, , .		12
87	Multiservice Wireless Transport Over RoF Link With Colorless BS Using PolM-to-IM Convertor. IEEE Photonics Technology Letters, 2015, 27, 403-406.	1.3	12
88	DRL-Based Channel and Latency Aware Radio Resource Allocation for 5G Service-Oriented RoF-MmWave RAN. Journal of Lightwave Technology, 2021, 39, 5706-5714.	2.7	12
89	Real-Time FPGA Demonstration of Hybrid Bi-directional MMW and FSO Fronthaul Architecture. , 2019, , .		12
90	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.	1.3	11

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91	Edge Viewing Photodetectors for Strictly In-plane Lightwave Circuit Integration and Flexible Optical Interconnects. , 0, , .		11
92	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.	1.3	11
93	Orthogonal and Sparse Chirp Division Multiplexing for MMW Fiber-Wireless Integrated Systems. IEEE Photonics Technology Letters, 2017, 29, 1316-1319.	1.3	11
94	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.	1.3	10
95	In-Band Crosstalk Transmission Penalties on 112-Gb/s PDM-QPSK Optical Links. IEEE Photonics Technology Letters, 2011, 23, 745-747.	1.3	10
96	Asynchronous Multi-User Uplink Transmissions for 5G with UFMC Waveform. , 2017, , .		10
97	Grand Challenges of Fiber Wireless Convergence for 5G Mobile Data Communications. , 2018, , .		10
98	Design and Implementation of A Low Cost, Integrated Platform for Delivering Super-Broadband Dual Services Simultaneously. , 2006, , .		9
99	A Self-Survivable WDM-PON Architecture with Centralized Wavelength Monitoring, Protection and Restoration for both Upstream and Downstream Links. , 2008, , .		9
100	Next-generation E-health communication infrastructure using converged super-broadband optical and wireless access system. , 2010, , .		9
101	Low-Latency Synchronous Clock Distribution and Recovery for DWDM-OFDMA-Based Optical Mobile Backhaul. Journal of Lightwave Technology, 2014, 32, 2012-2018.	2.7	9
102	Fiber-wireless integration for future mobile communications. , 2017, , .		9
103	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.	2.7	9
104	Toward a 60â€GHz wireless, lowâ€power, highâ€throughput memory access system. Microwave and Optical Technology Letters, 2009, 51, 2969-2973.	0.9	8
105	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.	1.0	8
106	The benefits of convergence. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2016, 374, 20140442.	1.6	8
107	Tunable Microwave Photonic Filter for Millimeter-wave Mobile Fronthaul Systems. , 2018, , .		8
108	Simple Multi-RAT RoF System With $2imes2$ MIMO Wireless Transmission. IEEE Photonics Technology Letters, 2019, 31, 1025-1028.	1.3	8

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109	Bandwidth-Enhanced PAM-4 Transmissions Using Polarization Modulation and Direct Detection With a Tunable Frequency Range. Journal of Lightwave Technology, 2019, 37, 1014-1022.	2.7	8
110	A Simplified Radio-Over-Fiber System for Over 100-km Long-Reach n-QAM Transmission. IEEE Photonics Journal, 2020, 12, 1-8.	1.0	8
111	Semi-Supervised and Supervised Nonlinear Equalizers in Fiber-FSO Converged System. Journal of Lightwave Technology, 2021, 39, 6175-6181.	2.7	8
112	Mm-Wave Vector Signal Generation and Transport for W-band MIMO System with Intensity Modulation and Direct Detection. , 2016, , .		8
113	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.	1.3	7
114	Super Broadband Optical Wireless over Optical Fiber Network Architecture. , 2006, , .		7
115	OPN09-05: An SLA-Aware Transport Protocol for High Throughput Wide Area Ethernet Services. IEEE Global Telecommunications Conference (GLOBECOM), 2006, , .	0.0	7
116	A Bi-directional Radio-over-Fiber System with All-optical Up-converted DPSK for Downstream and Re-modulated OOK for Upstream. , 2006, , .		7
117	A Cost-Effective WDM-PON Configuration Employing Innovative Bi-directional Amplification. , 2007, , .		7
118	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.	1.3	7
119	D-Band mm-Wave SSB Vector Signal Generation Based on Cascaded Intensity Modulators. IEEE Photonics Journal, 2020, 12, 1-11.	1.0	7
120	Board-level optical-to-electrical signal distribution at 10 gb/s. IEEE Photonics Technology Letters, 2006, 18, 1828-1830.	1.3	6
121	Same Wavelength Packet Switching in Optical Label Switched Networks. Journal of Lightwave Technology, 2006, 24, 4838-4849.	2.7	6
122	Optical loss changes in siloxane polymer waveguides during thermal curing. Journal of Applied Polymer Science, 2007, 106, 2320-2327.	1.3	6
123	Very-high-throughput millimeter-wave system oriented for health monitoring applications. , 2011, , .		6
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.	2.7	6
125	Efficient Mobile Fronthaul Incorporating VLC Links for Coordinated Densified Cells. IEEE Photonics Technology Letters, 2017, 29, 1059-1062.	1.3	6
126	Detecting burst-mode optical label or payload generated by OCSS technique using conventional receivers. IEEE Photonics Technology Letters, 2005, 17, 1567-1569.	1.3	5

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127	A Full-Duplex Radio-over-Fiber System with 2.5Gbit/s Data Symmetric Delivery over 40km SMF-28. , 2006, , .		5
128	A Novel Dispersion-Free Interleaver for Bidirectional DWDM Transmission Systems. Journal of Lightwave Technology, 2007, 25, 3543-3554.	2.7	5
129	A Novel WDM-PON Architecture with Centralized Lightwaves in the OLT for Providing Triple Play Services. , 2007, , .		5
130	Long-reach, 60-GHz Mm-wave optical-wireless access network using remote signal regeneration and upconversion. , 2008, , .		5
131	Lightwave centralized WDM-OFDM-PON. , 2008, , .		5
132	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, , .		5
133	Broadband access technologies for very high throughput wireless sensor communication networks. , 2010, , .		5
134	Low complexity non decision directed blind carrier phase recovery algorithm for 16-QAM optical coherent receiver. , 2012, , .		5
135	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.	2.7	5
136	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.	2.7	5
137	Novel techniques for optical packet generation with high-spectral efficiency and high receiver sensitivity. , 2006, , .		4
138	Testbed Demonstration and Analysis for Delivering Dual Services Simultaneously in a Single Radio-over-Fiber Access Platform. , 2007, , .		4
139	A Novel Full-Duplex Wavelength-Reuse Optical-Wireless Architecture with Directly Modulated SOA as Upstream Colorless Amplified Modulator. , 2007, , .		4
140	A Simple WDM-PON Architecture to Simultaneously Provide Triple-play Services by Using One Single Modulator. , 2008, , .		4
141	Optimization of Vector Signal Delivery Over Double-Sideband Carrier-Suppressed Optical Millimeter-Waves Through DC Coupling. IEEE Photonics Technology Letters, 2011, 23, 789-791.	1.3	4
142	Spectral Shape Impact of Nonlinear Compensator Signal in LTE RoF System. IEEE Photonics Technology Letters, 2015, 27, 2481-2484.	1.3	4
143	Broadband IF-Over-Fiber Transmission Based on a Polarization Modulator. IEEE Photonics Technology Letters, 2018, 30, 2087-2090.	1.3	4
144	Ubiquitous Coverage Next Generation Access Networks Based on Fiber/FSO Convergence with OBI-free Heterodyne Detection. , 2019, , .		4

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145	Entropy Allocation Optimization for PS-OFDM With Constellation Partitioning Based Modeling. Journal of Lightwave Technology, 2020, 38, 6024-6030.	2.7	4
146	Rate Redundancy and Entropy Allocation for PAS-OFDM Based Mobile Fronthaul. Journal of Lightwave Technology, 2020, 38, 4260-4269.	2.7	4
147	Data Efficient Estimation for Quality of Transmission Through Active Learning in Fiber-Wireless Integrated Network. Journal of Lightwave Technology, 2021, 39, 5691-5698.	2.7	4
148	Experimental Demonstration of C-band 112-Gb/s PAM4 over 20-km SSMF with Joint Pre- and Post-equalization. , 2020, , .		4
149	Performance of DPSK and NRZ-OOK signals in a novel folded-path optical packet switch buffer. , 2005, , .		3
150	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.	2.7	3
151	A broadcast and multicast-enabled switch architecture utilizing a gateless channel selection scheme. , 2006, , .		3
152	A Novel Scalable Multistage DWDM PON Architecture Using Cascaded Optical Interleavers With Increasing Periodicities Controlled in Central Offices. , 2007, , .		3
153	Interleaved Bidirectional Transmission of 16 $imes$ 10-Gb/s DWDM Signals Using DPSK Modulation Format and In-line Semiconductor Optical Amplifiers. Journal of Lightwave Technology, 2007, 25, 325-334.	2.7	3
154	An Anchor-Board-Based Flexible Optoelectronic Harness for Off-Chip Optical Interconnects. IEEE Photonics Technology Letters, 2008, 20, 839-841.	1.3	3
155	10×100-Gb/s transmissions using optical carrier suppression and separation technique and RZ-DQPSK modulation for metro-ethernet transport system. , 2008, , .		3
156	A hybrid MAC protocol design for energy-efficient very-high-throughput millimeter wave wireless sensor communication networks. , 2010, , .		3
157	A Carrier-Ethernet oriented transport protocol with a novel congestion control and QoS integration: Analytical, simulated and experimental validation. , 2012, , .		3
158	Emerging technologies for mm-wave RoF communication. , 2012, , .		3
159	Dual pump brillouin laser for RoF millimeterwave carrier generation with tunable resolution. , 2015, , .		3
160	Solution to reduce nonlinearity in LTE RoF system for an efficient DAS topology: A brief review (Invited). , 2016, , .		3
161	Efficient Power-Division NOMA for Intelligent Optical Access Network Enabled by Deep Learning. , 2019, , .		3
162	Polar Coded OFDM Signal Transmission at the W-Band in Millimeter-Wave System. IEEE Photonics Journal, 2019, 11, 1-6.	1.0	3

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163	Modulation Format Shifting Scheme for Optical Camera Communication. IEEE Photonics Technology Letters, 2020, 32, 1167-1170.	1.3	3
164	Joint Optimization of Processing Complexity and Rate Allocation through Entropy Tunability for 64-/256-QAM Based Radio Fronthauling with LDPC and PAS-OFDM. , 2020, , .		3
165	Low-complexity equalizer with a hybrid decision scheme for 50â€‰â€‰Gb/s/Î» PAM4-PON using a low-cost 10 G receiver. Optics Letters, 2020, 45, 6278.	1.7	3
166	Instantaneous clock recovery for burst-mode optical label and payload by using a conventional data receiver. , 2005, , .		2
167	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.	2.7	2
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