

# Chi-Wai Chow

## List of Publications by Year in descending order

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401  
papers

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citations

71102

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401  
docs citations

401  
times ranked

3085  
citing authors

#	ARTICLE	IF	CITATIONS
1	Color-Shift Keying and Code-Division Multiple-Access Transmission for RGB-LED Visible Light Communications Using Mobile Phone Camera. IEEE Photonics Journal, 2014, 6, 1-6.	2.0	156
2	Visible light communication using mobile-phone camera with data rate higher than frame rate. Optics Express, 2015, 23, 26080.	3.4	123
3	Real-time white-light phosphor-LED visible light communication (VLC) with compact size. Optics Express, 2013, 21, 26192.	3.4	122
4	Enhancement of Signal Performance in LED Visible Light Communications Using Mobile Phone Camera. IEEE Photonics Journal, 2015, 7, 1-7.	2.0	101
5	Improved modulation speed of LED visible light communication system integrated to main electricity network. Electronics Letters, 2011, 47, 867.	1.0	99
6	High-Bandwidth Green Semipolar ( $\lambda = 21$ ) InGa <sub>N</sub> /Ga <sub>N</sub> Micro Light-Emitting Diodes for Visible Light Communication. ACS Photonics, 2020, 7, 2228-2235.	6.6	99
7	WDM extended reach passive optical networks using OFDM-QAM. Optics Express, 2008, 16, 12096.	3.4	96
8	RGB visible light communication using mobile-phone camera and multi-input multi-output. Optics Express, 2016, 24, 9383.	3.4	78
9	Is blue optical filter necessary in high speed phosphor-based white light LED visible light communications?. Optics Express, 2014, 22, 20646.	3.4	73
10	Studies of OFDM signal for broadband optical access networks. IEEE Journal on Selected Areas in Communications, 2010, 28, 800-807.	14.0	72
11	100 GHz ultra-wideband (UWB) fiber-to-the-antenna (FTTA) system for in-building and in-home networks. Optics Express, 2010, 18, 473.	3.4	72
12	Rayleigh noise mitigation in long-reach hybrid DWDM-TDM PONs. Journal of Optical Networking, 2007, 6, 765.	2.5	71
13	High Speed Imaging 3 Å– 3 MIMO Phosphor White-Light LED Based Visible Light Communication System. IEEE Photonics Journal, 2016, 8, 1-6.	2.0	71
14	Mitigation of Optical Background Noise in Light-Emitting Diode (LED) Optical Wireless Communication Systems. IEEE Photonics Journal, 2013, 5, 7900307-7900307.	2.0	70
15	Micro-LED as a Promising Candidate for High-Speed Visible Light Communication. Applied Sciences (Switzerland), 2020, 10, 7384.	2.5	69
16	Rayleigh Noise Reduction in 10-Gb/s DWDM-PONs by Wavelength Detuning and Phase-Modulation-Induced Spectral Broadening. IEEE Photonics Technology Letters, 2007, 19, 423-425.	2.5	68
17	Utilization of multi-band OFDM modulation to increase traffic rate of phosphor-LED wireless VLC. Optics Express, 2015, 23, 1133.	3.4	67
18	Demonstration of bi-directional LED visible light communication using TDD traffic with mitigation of reflection interference. Optics Express, 2012, 20, 23019.	3.4	65

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19	Signal Remodulation of OFDM-QAM for Long Reach Carrier Distributed Passive Optical Networks. IEEE Photonics Technology Letters, 2009, 21, 715-717.	2.5	64
20	Investigation of 4-ASK modulation with digital filtering to increase 20 times of direct modulation speed of white-light LED visible light communication system. Optics Express, 2012, 20, 16218.	3.4	62
21	Orthogonal frequency-division multiplexing access (OFDMA) based wireless visible light communication (VLC) system. Optics Communications, 2015, 355, 261-268.	2.1	60
22	Visible light communication and positioning using positioning cells and machine learning algorithms. Optics Express, 2019, 27, 16377.	3.4	58
23	Tricolor visible-light laser diodes based visible light communication operated at 40665 Gbit/s and 2 m free-space transmission. Optics Express, 2019, 27, 25072.	3.4	56
24	In-line channel power monitor based on helium ion implantation in silicon-on-insulator waveguides. IEEE Photonics Technology Letters, 2006, 18, 1882-1884.	2.5	55
25	Utilization of 1-GHz VCSEL for 11.1-Gbps OFDM VLC Wireless Communication. IEEE Photonics Journal, 2016, 8, 1-6.	2.0	55
26	Visible Light Positioning and Lighting Based on Identity Positioning and RF Carrier Allocation Technique Using a Solar Cell Receiver. IEEE Photonics Journal, 2016, 8, 1-7.	2.0	54
27	Efficient demodulation scheme for rolling-shutter-patterning of CMOS image sensor based visible light communications. Optics Express, 2017, 25, 24362.	3.4	54
28	All-optical NRZ to RZ format and wavelength converter by dual-wavelength injection locking. Optics Communications, 2002, 209, 329-334.	2.1	49
29	Polarization-independent DPSK demodulation using a birefringent fiber loop. IEEE Photonics Technology Letters, 2005, 17, 1313-1315.	2.5	48
30	Dimming-discrete-multi-tone (DMT) for simultaneous color control and high speed visible light communication. Optics Express, 2014, 22, 7538.	3.4	48
31	Theory and Technology for Standard WiMAX Over Fiber in High Speed Train Systems. Journal of Lightwave Technology, 2010, 28, 2327-2336.	4.6	47
32	Non-flickering 100 m RGB visible light communication transmission based on a CMOS image sensor. Optics Express, 2018, 26, 7079.	3.4	47
33	Compatibility of Silicon Mach-Zehnder Modulators for Advanced Modulation Formats. Journal of Lightwave Technology, 2013, 31, 2550-2554.	4.6	46
34	Tunable and stable single-longitudinal-mode dualwavelength erbium fiber laser with 1.3 nm mode spacing output. Laser Physics Letters, 2008, 5, 821-824.	1.4	44
35	Utilizing erbium fiber ring scheme and Fabry-Perot laser diode for stable and wavelength-tunable laser in single-longitudinal-mode output. Laser Physics Letters, 2011, 8, 130-133.	1.4	44
36	Cost-Effective Direct-Detection All-Optical OOK-OFDM System With Analysis of Modulator Bandwidth and Driving Power. IEEE Photonics Journal, 2015, 7, 1-7.	2.0	44

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37	Broadband wavelength-tunable single-longitudinalmode erbium-doped fiber ring laser using saturable-absorber filter. <i>Laser Physics Letters</i> , 2010, 7, 158-163.	1.4	43
38	Secure communication zone for white-light LED visible light communication. <i>Optics Communications</i> , 2015, 344, 81-85.	2.1	43
39	Thresholding schemes for visible light communications with CMOS camera using entropy-based algorithms. <i>Optics Express</i> , 2016, 24, 25641.	3.4	43
40	Long distance non-line-of-sight (NLOS) visible light signal detection based on rolling-shutter-patterning of mobile-phone camera. <i>Optics Express</i> , 2017, 25, 10103.	3.4	43
41	Angle-of-Arrival (AOA) Visible Light Positioning (VLP) System Using Solar Cells With Third-Order Regression and Ridge Regression Algorithms. <i>IEEE Photonics Journal</i> , 2020, 12, 1-5.	2.0	43
42	Wavelength Remodulation Using DPSK Down-and-Upstream With High Extinction Ratio for 10-Gb/s DWDM-Passive Optical Networks. <i>IEEE Photonics Technology Letters</i> , 2008, 20, 12-14.	2.5	42
43	2.6 Tbit/s On-Chip Optical Interconnect Supporting Mode-Division-Multiplexing and PAM-4 Signal. <i>IEEE Photonics Technology Letters</i> , 2018, 30, 1052-1055.	2.5	42
44	Bidirectional free space optical communication (FSO) in WDM access network with 1000-m supportable free space link. <i>Optics Communications</i> , 2019, 435, 394-398.	2.1	42
45	Simple Colorless WDM-PON With Rayleigh Backscattering Noise Circumvention Employing $m$ -QAM OFDM Downstream and Remodulated OOK Upstream Signals. <i>Journal of Lightwave Technology</i> , 2012, 30, 2151-2155.	4.6	41
46	Adaptive scheme for maintaining the performance of the in-home white-LED visible light wireless communications using OFDM. <i>Optics Communications</i> , 2013, 292, 49-52.	2.1	41
47	Background Optical Noises Circumvention in LED Optical Wireless Systems Using OFDM. <i>IEEE Photonics Journal</i> , 2013, 5, 7900709-7900709.	2.0	41
48	Adaptive 8444~190 Mbit/s phosphor-LED wireless communication utilizing no blue filter at practical transmission distance. <i>Optics Express</i> , 2014, 22, 9783.	3.4	41
49	Visible Light Communication Using Receivers of Camera Image Sensor and Solar Cell. <i>IEEE Photonics Journal</i> , 2016, 8, 1-7.	2.0	40
50	20231~Gbit/s tricolor red/green/blue laser diode based bidirectional signal remodulation visible-light communication system. <i>Photonics Research</i> , 2018, 6, 422.	7.0	40
51	Visible Light Communication System Technology Review: Devices, Architectures, and Applications. <i>Crystals</i> , 2021, 11, 1098.	2.2	40
52	Using adaptive four-band OFDM modulation with 40 Gb/s downstream and 10 Gb/s upstream signals for next generation long-reach PON. <i>Optics Express</i> , 2011, 19, 26150.	3.4	38
53	Rayleigh Noise Mitigation Using Single-Sideband Modulation Generated by a Dual-Parallel MZM for Carrier Distributed PON. <i>IEEE Photonics Technology Letters</i> , 2010, 22, 820-822.	2.5	36
54	Ring-Based WDM Access Network Providing Both Rayleigh Backscattering Noise Mitigation and Fiber-Fault Protection. <i>Journal of Lightwave Technology</i> , 2012, 30, 3211-3218.	4.6	36

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55	Received-Signal-Strength (RSS) Based 3D Visible-Light-Positioning (VLP) System Using Kernel Ridge Regression Machine Learning Algorithm With Sigmoid Function Data Preprocessing Method. IEEE Access, 2020, 8, 214269-214281.	4.2	36
56	Enabling Techniques for Optical Wireless Communication Systems. , 2020, , .		36
57	A self-protected colorless WDM-PON with 2.5 Gb/s upstream signal based on RSOA. Optics Express, 2008, 16, 12296.	3.4	34
58	Using OOK Modulation for Symmetric 40-Gb/s Long-Reach Time-Sharing Passive Optical Networks. IEEE Photonics Technology Letters, 2010, 22, 619-621.	2.5	34
59	Mobile-phone based visible light communication using region-grow light source tracking for unstable light source. Optics Express, 2016, 24, 17505.	3.4	34
60	Mitigation of Rayleigh backscattering in 10-Gb/s downstream and 25-Gb/s upstream DWDM 100-km long-reach PONs. Optics Express, 2011, 19, 4970.	3.4	32
61	Comparison of thresholding schemes for visible light communication using mobile-phone image sensor. Optics Express, 2016, 24, 1973.	3.4	32
62	Using a Single VCSEL Source Employing OFDM Downstream Signal and Remodulated OOK Upstream Signal for Bi-directional Visible Light Communications. Scientific Reports, 2017, 7, 15846.	3.3	32
63	Utilizing Single Lightwave for Delivering Baseband/FSO/MMW Traffics Simultaneously in PON Architecture. IEEE Access, 2019, 7, 138927-138931.	4.2	32
64	Rayleigh noise mitigation in DWDM LR-PONs using carrier suppressed subcarrier-amplitude modulated phase shift keying. Optics Express, 2008, 16, 1860.	3.4	31
65	Long-reach radio-over-fiber signal distribution using single-sideband signal generated by a silicon-modulator. Optics Express, 2011, 19, 11312.	3.4	31
66	13â€¦Gbit/s WDM-OFDM PON using RSOA-based colourless ONU with seeding light source in local exchange. Electronics Letters, 2011, 47, 1235.	1.0	31
67	Stable and Tunable Single-Longitudinal-Mode Erbium-Doped Fiber Triple-Ring Laser With Power-Equalized Output. IEEE Photonics Journal, 2016, 8, 1-6.	2.0	31
68	Visible light communications for the implementation of internet-of-things. Optical Engineering, 2016, 55, 060501.	1.0	31
69	Integrated Silicon Photonics Remote Radio Frontend (RRF) for Single-Sideband (SSB) Millimeter-Wave Radio-Over-Fiber (ROF) Systems. IEEE Photonics Journal, 2019, 11, 1-8.	2.0	31
70	Demonstration of Non-Hermitian Symmetry (NHS) IFFT/FFT Size Efficient OFDM Non-Orthogonal Multiple Access (NOMA) for Visible Light Communication. IEEE Photonics Journal, 2020, 12, 1-5.	2.0	31
71	All-Optical Modulation Format Conversion and Multicasting Using Injection-Locked Laser Diodes. Journal of Lightwave Technology, 2004, 22, 2386-2392.	4.6	30
72	Using Downstream DPSK and Upstream Wavelength-Shifted ASK for Rayleigh Backscattering Mitigation in TDM-PON to WDM-PON Migration Scheme. IEEE Photonics Journal, 2013, 5, 7900407-7900407.	2.0	30

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73	Accurate Indoor Visible Light Positioning System utilizing Machine Learning Technique with Height Tolerance. , 2018, , .		30
74	A Simple Fiber Bragg Grating-Based Sensor Network Architecture with Self-Protecting and Monitoring Functions. Sensors, 2011, 11, 1375-1382.	3.8	29
75	Using four wavelength-multiplexed self-seeding Fabry-Perot lasers for 10 Gbps upstream traffic in TDM-PON. Optics Express, 2008, 16, 18857.	3.4	28
76	Optical mm-Wave Signal Generation by Frequency Quadrupling Using an Optical Modulator and a Silicon Microresonator Filter. IEEE Photonics Technology Letters, 2009, 21, 209-211.	2.5	28
77	Display Light Panel and Rolling Shutter Image Sensor Based Optical Camera Communication (OCC) Using Frame-Averaging Background Removal and Neural Network. Journal of Lightwave Technology, 2021, 39, 4360-4366.	4.6	28
78	Rolling-shutter-effect camera-based visible light communication using RGB channel separation and an artificial neural network. Optics Express, 2020, 28, 39956.	3.4	28
79	All-Optical ASK/DPSK Label-Swapping and Buffering Using Fabry-Perot Laser Diodes. IEEE Journal of Selected Topics in Quantum Electronics, 2004, 10, 363-370.	2.9	27
80	Secure Mobile-Phone Based Visible Light Communications With Different Noise-Ratio Light-Panel. IEEE Photonics Journal, 2018, 10, 1-6.	2.0	27
81	1250 Mbit/s OOK Wireless White-Light VLC Transmission Based on Phosphor Laser Diode. IEEE Photonics Journal, 2019, 11, 1-5.	2.0	27
82	Utilization of self-injection Fabry-Perot laser diode for long-reach WDM-PON. Optical Fiber Technology, 2010, 16, 46-49.	2.7	26
83	250-GHz Passive Harmonic Mode-Locked Er-Doped Fiber Laser by Dissipative Four-Wave Mixing With Silicon-Based Micro-Ring. IEEE Photonics Journal, 2013, 5, 1502107-1502107.	2.0	26
84	Stable and wavelength-tunable silicon-micro-ring-resonator based erbium-doped fiber laser. Optics Express, 2013, 21, 2869.	3.4	26
85	Cost-effective wavelength-tunable fiber laser using self-seeding Fabry-Perot laser diode. Optics Express, 2008, 16, 435.	3.4	25
86	Multiwavelength erbium-doped fiber ring laser employing Fabry-Perot etalon inside cavity operating in room temperature. Optical Fiber Technology, 2009, 15, 344-347.	2.7	25
87	Rayleigh Backscattering Mitigation Using Wavelength Splitting for Heterogeneous Optical Wired and Wireless Access. IEEE Photonics Technology Letters, 2010, 22, 1294-1296.	2.5	24
88	Analysis of the carrier-suppressed single-sideband modulators used to mitigate Rayleigh backscattering in carrier-distributed PON. Optics Express, 2011, 19, 10973.	3.4	24
89	Beacon Jointed Packet Reconstruction Scheme for Mobile-Phone Based Visible Light Communications Using Rolling Shutter. IEEE Photonics Journal, 2017, 9, 1-6.	2.0	24
90	Stable Single-Longitudinal-Mode Erbium Fiber Ring Laser Utilizing Self-Injection and Saturable Absorber. IEEE Photonics Journal, 2017, 9, 1-6.	2.0	24

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91	Integration of FSO Traffic in Ring-Topology Bidirectional Fiber Access Network With Fault Protection. IEEE Communications Letters, 2020, 24, 589-592.	4.1	24
92	6.915-Gbit/s white-light phosphor laser diode-based DCO-OFDM visible light communication (VLC) system with functional transmission distance. Electronics Letters, 2020, 56, 945-947.	1.0	24
93	Optical packet labeling based on simultaneous polarization shift keying and amplitude shift keying. Optics Letters, 2004, 29, 1861.	3.3	23
94	Equalization and Pre-distorted Schemes for Increasing Data Rate in In-door Visible Light Communication System. , 2011, , .		23
95	Using advertisement light-panel and CMOS image sensor with frequency-shift-keying for visible light communication. Optics Express, 2018, 26, 12530.	3.4	23
96	Using logistic regression classification for mitigating high noise-ratio advertisement light-panel in rolling-shutter based visible light communications. Optics Express, 2019, 27, 29924.	3.4	23
97	Performance of Long-Reach Passive Access Networks Using Injection-Locked Fabry-Pérot Laser Diodes With Finite Front-Facet Reflectivities. Journal of Lightwave Technology, 2013, 31, 1929-1934.	4.6	22
98	Hybrid WDM FSO Fiber Access Network With Rayleigh Backscattering Noise Mitigation. IEEE Access, 2020, 8, 96449-96454.	4.2	22
99	CMOS camera based visible light communication (VLC) using grayscale value distribution and machine learning algorithm. Optics Express, 2020, 28, 2427.	3.4	22
100	Rayleigh Backscattering Performance of OFDM-QAM in Carrier Distributed Passive Optical Networks. IEEE Photonics Technology Letters, 2008, 20, 1848-1850.	2.5	21
101	Signal-Remodulated Wired/Wireless Access Using Reflective Semiconductor Optical Amplifier With Wireless Signal Broadcast. IEEE Photonics Technology Letters, 2009, 21, 1459-1461.	2.5	21
102	40-Gb/s Time-Division-Multiplexed Passive Optical Networks Using Downstream OOK and Upstream OFDM Modulations. IEEE Photonics Technology Letters, 2010, 22, 118-120.	2.5	21
103	Hybrid free space optical communication system and passive optical network with high splitting ratio for broadcasting data traffic. Journal of Optics (United Kingdom), 2018, 20, 125702.	2.2	21
104	Convergent optical wired and wireless long-reach access network using high spectral-efficient modulation. Optics Express, 2012, 20, 9243.	3.4	20
105	Hybrid OFDM-based multi-band wireless and baseband signal transmission in PON access. Electronics Letters, 2012, 48, 390.	1.0	20
106	Selectable dual-wavelength erbium-doped fiber laser with stable single-longitudinal-mode utilizing eye-type compound-ring configuration. Optics and Laser Technology, 2016, 82, 72-75.	4.6	20
107	4.343-Gbit/s Green Semipolar (20-21) $\lambda$ -LED for High Speed Visible Light Communication. IEEE Photonics Journal, 2021, 13, 1-4.	2.0	20
108	2.805 Gbit/s high-bandwidth phosphor white light visible light communication utilizing an InGaN/GaN semipolar blue micro-LED. Optics Express, 2022, 30, 16938.	3.4	20

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109	Mitigation of Signal Distortions Using Reference Signal Distribution With Colorless Remote Antenna Units for Radio-Over-Fiber Applications. <i>Journal of Lightwave Technology</i> , 2009, 27, 4773-4780.	4.6	19
110	Tunable Dual-Wavelength Fiber Laser Using Optical-Injection Fabry-Perot Laser. <i>IEEE Photonics Technology Letters</i> , 2009, 21, 125-127.	2.5	19
111	Single-longitudinal-mode erbium-doped fiber laser with novel scheme utilizing fiber Bragg grating inside ring cavity. <i>Laser Physics</i> , 2010, 20, 512-515.	1.2	19
112	A Convergent Wireline and Wireless Time-and-Wavelength-Division-Multiplexed Passive Optical Network. <i>IEEE Photonics Journal</i> , 2015, 7, 1-7.	2.0	19
113	Using specific and adaptive arrangement of grid-type pilot in channel estimation for white-lightLED-based OFDM visible light communication system. <i>Optics Communications</i> , 2015, 338, 7-10.	2.1	19
114	Network Architecture of Bidirectional Visible Light Communication and Passive Optical Network. <i>IEEE Photonics Journal</i> , 2016, 8, 1-7.	2.0	19
115	Light Encryption Scheme Using Light-Emitting Diode and Camera Image Sensor. <i>IEEE Photonics Journal</i> , 2016, 8, 1-7.	2.0	19
116	Performance analysis of free space optical communication traffic integrated with passive optical network. <i>Electronics Letters</i> , 2018, 54, 1228-1229.	1.0	19
117	Using Linear Interpolation to Reduce the Training Samples for Regression Based Visible Light Positioning System. <i>IEEE Photonics Journal</i> , 2020, 12, 1-5.	2.0	19
118	A simple self-restored fiber Bragg grating (FBG)-based passive sensing ring network. <i>Measurement Science and Technology</i> , 2009, 20, 043001.	2.6	18
119	40-Gb/s Upstream Transmitters Using Directly Modulated 1.55- $\mu\text{m}$ VCSEL Array for High-Split-Ratio PONs. <i>IEEE Photonics Technology Letters</i> , 2010, 22, 347-349.	2.5	18
120	Employing external injection-locked Fabry-Perot laser scheme for mm-wave generation. <i>Laser Physics</i> , 2011, 21, 718-721.	1.2	18
121	Fault Self-Detection Technique in Fiber Bragg Grating-Based Passive Sensor Network. <i>IEEE Sensors Journal</i> , 2016, 16, 8070-8074.	4.7	18
122	Using adaptive equalization and polarization-multiplexing technology for gigabit-per-second phosphor-LED wireless visible light communication. <i>Optics and Laser Technology</i> , 2018, 104, 206-209.	4.6	18
123	1.7 to 2.3 Gbps OOK LED VLC Transmission Based on 4-Color-Polarization-Multiplexing at Extremely Low Illumination. <i>IEEE Photonics Journal</i> , 2019, 11, 1-6.	2.0	18
124	40-Gbit/s Visible Light Communication using Polarization-Multiplexed R/G/B Laser Diodes with 2-m Free-Space Transmission. , 2019, , .		18
125	Broadband C-plus L-band CW wavelength-tunable fiber laser based on hybrid EDFA and SOA. <i>Optical Fiber Technology</i> , 2013, 19, 359-361.	2.7	17
126	Wired and wireless convergent extended-reach optical access network using direct-detection of all-optical OFDM super-channel signal. <i>Optics Express</i> , 2014, 22, 30719.	3.4	17



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127	A 110 GHz passive mode-locked fiber laser based on a nonlinear silicon-micro-ring-resonator. <i>Laser Physics Letters</i> , 2014, 11, 065101.	1.4	17
128	Positioning Unit Cell Model Duplication With Residual Concatenation Neural Network (RCNN) and Transfer Learning for Visible Light Positioning (VLP). <i>Journal of Lightwave Technology</i> , 2021, 39, 6366-6372.	4.6	17
129	Multi-Gbit/s phosphor-based white-light and blue-filter-free visible light communication and lighting system with practical transmission distance. <i>Optics Express</i> , 2020, 28, 7375.	3.4	17
130	Signal remodulation high split-ratio hybrid WDM-TDM PONs using RSOA-based ONUs. <i>Electronics Letters</i> , 2009, 45, 903.	1.0	16
131	40-Gb/s downstream DPSK and 40-Gb/s upstream OOK signal remodulation PON using reduced modulation index. <i>Optics Express</i> , 2010, 18, 26046.	3.4	16
132	Using Fabry-Perot laser diode and reflective semiconductor optical amplifier for long reach WDM-PON system. <i>Optics Communications</i> , 2011, 284, 5148-5152.	2.1	16
133	Simple digital FIR equalizer design for improving the phosphor LED modulation bandwidth in visible light communication. <i>Optical and Quantum Electronics</i> , 2013, 45, 901-905.	3.3	16
134	Color-filter-free spatial visible light communication using RGB-LED and mobile-phone camera. <i>Optics Express</i> , 2014, 22, 30713.	3.4	16
135	Hierarchical scheme for detecting the rotating MIMO transmission of the in-door RGB-LED visible light wireless communications using mobile-phone camera. <i>Optics Communications</i> , 2015, 335, 189-193.	2.1	16
136	Investigation of phosphor-LED lamp for real-time half-duplex wireless VLC system. <i>Journal of Optics (United Kingdom)</i> , 2016, 18, 065701.	2.2	16
137	Capacity and capability enhancements of FBG sensor system by utilizing intensity and WDM detection technique. <i>Smart Materials and Structures</i> , 2017, 26, 035026.	3.5	16
138	Use of Same WDM Channels in Fiber Network for Bidirectional Free Space Optical Communication With Rayleigh Backscattering Interference Alleviation. <i>IEEE Access</i> , 2019, 7, 169571-169576.	4.2	16
139	TWDM-PON With Signal Remodulation and Rayleigh Noise Circumvention for NG-PON2. <i>IEEE Photonics Journal</i> , 2013, 5, 7902306-7902306.	2.0	15
140	Alternating-Signal-Biased System Design and Demonstration for Visible Light Communication. <i>IEEE Photonics Journal</i> , 2013, 5, 7901806-7901806.	2.0	15
141	A practical in-home illumination consideration to reduce data rate fluctuation in visible light communication. <i>IEEE Wireless Communications</i> , 2015, 22, 17-23.	9.0	15
142	Erbium-doped fiber dual-ring laser with stable single-longitudinal-mode and 55-nm tuning range. <i>Optics and Laser Technology</i> , 2018, 106, 119-122.	4.6	15
143	Integrated germanium-on-silicon Franzâ€™Keldysh vector modulator used with a Kramersâ€™Kronig receiver. <i>Optics Letters</i> , 2018, 43, 4333.	3.3	15
144	Employing DIALux to relieve machine-learning training data collection when designing indoor positioning systems. <i>Optics Express</i> , 2021, 29, 16887.	3.4	15

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145	Optical label encoding and swapping using half-bit delayed dark RZ payload and DPSK label. Optics Express, 2005, 13, 5325.	3.4	14
146	Asynchronous Digital Optical Regenerator for 4 Å– 40 Gbit/s WDM to 160 Gbit/s OTDM Conversion. Optics Express, 2007, 15, 8507.	3.4	14
147	Wavelength-selectable single-longitudinal-mode Fabry-Perot laser source using inter-injection mode-locked technique. Optical Fiber Technology, 2010, 16, 271-273.	2.7	14
148	Measurement of Organic Chemical Refractive Indexes Using an Optical Time-Domain Reflectometer. Sensors, 2012, 12, 481-488.	3.8	14
149	A Flexible and Reliable 40-Gb/s OFDM Downstream TWDM-PON Architecture. IEEE Photonics Journal, 2015, 7, 1-9.	2.0	14
150	Equalization of PAM-4 Signal Generated by Silicon Microring Modulator for 64-Gbit/s Transmission. Journal of Lightwave Technology, 2017, 35, 4943-4948.	4.6	14
151	Fiber- and FSO-Protected Connections for Long-Reach TWDM Access Architecture With Fault Protection. IEEE Access, 2020, 8, 189982-189988.	4.2	14
152	High-bandwidth InGaN/GaN semipolar micro-LED acting as a fast photodetector for visible light communications. Optics Express, 2021, 29, 37245.	3.4	14
153	Reduction of amplitude transients and BER of direct Modulation laser using birefringent fiber loop. IEEE Photonics Technology Letters, 2005, 17, 693-695.	2.5	13
154	Simultaneously gain-flattened and gain-clamped erbium fiber amplifier. Laser Physics, 2009, 19, 1246-1251.	1.2	13
155	Wavelength-selection erbium fiber laser with single-mode operation using simple ring design. Laser Physics, 2010, 20, 830-833.	1.2	13
156	Demonstration of using injection-locked Fabry-Perot laser diode for 10-Å...Gbit/s 16-QAM OFDM WDM-PON. Electronics Letters, 2012, 48, 940.	1.0	13
157	OFDM RF power-fading circumvention for long-reach WDM-PON. Optics Express, 2014, 22, 24392.	3.4	13
158	Polarization-multiplexed 2 Å–2 phosphor-LED wireless light communication without using analog equalization and optical blue filter. Optics Communications, 2015, 334, 8-11.	2.1	13
159	Using pre-distorted PAM-4 signal and parallel resistance circuit to enhance the passive solar cell based visible light communication. Optics Communications, 2018, 407, 245-249.	2.1	13
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