

Chi-Wai Chow

List of Publications by Year in descending order

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times ranked

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#	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.	1.0	156
2	Visible light communication using mobile-phone camera with data rate higher than frame rate. Optics Express, 2015, 23, 26080.	1.7	123
3	Real-time white-light phosphor-LED visible light communication (VLC) with compact size. Optics Express, 2013, 21, 26192.	1.7	122
4	Enhancement of Signal Performance in LED Visible Light Communications Using Mobile Phone Camera. IEEE Photonics Journal, 2015, 7, 1-7.	1.0	101
5	Improved modulation speed of LED visible light communication system integrated to main electricity network. Electronics Letters, 2011, 47, 867.	0.5	99
6	High-Bandwidth Green Semipolar (20Å€21) InGaN/GaN Micro Light-Emitting Diodes for Visible Light Communication. ACS Photonics, 2020, 7, 2228-2235.	3.2	99
7	WDM extended reach passive optical networks using OFDM-QAM. Optics Express, 2008, 16, 12096.	1.7	96
8	RGB visible light communication using mobile-phone camera and multi-input multi-output. Optics Express, 2016, 24, 9383.	1.7	78
9	Is blue optical filter necessary in high speed phosphor-based white light LED visible light communications?. Optics Express, 2014, 22, 20646.	1.7	73
10	Studies of OFDM signal for broadband optical access networks. IEEE Journal on Selected Areas in Communications, 2010, 28, 800-807.	9.7	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.	1.7	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.	1.0	71
14	Mitigation of Optical Background Noise in Light-Emitting Diode (LED) Optical Wireless Communication Systems. IEEE Photonics Journal, 2013, 5, 7900307-7900307.	1.0	70
15	Micro-LED as a Promising Candidate for High-Speed Visible Light Communication. Applied Sciences (Switzerland), 2020, 10, 7384.	1.3	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.	1.3	68
17	Utilization of multi-band OFDM modulation to increase traffic rate of phosphor-LED wireless VLC. Optics Express, 2015, 23, 1133.	1.7	67
18	Demonstration of bi-directional LED visible light communication using TDD traffic with mitigation of reflection interference. Optics Express, 2012, 20, 23019.	1.7	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.	1.3	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.	1.7	62
21	Orthogonal frequency-division multiplexing access (OFDMA) based wireless visible light communication (VLC) system. Optics Communications, 2015, 355, 261-268.	1.0	60
22	Visible light communication and positioning using positioning cells and machine learning algorithms. Optics Express, 2019, 27, 16377.	1.7	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.	1.7	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.	1.3	55
25	Utilization of 1-GHz VCSEL for 11.1-Gbps OFDM VLC Wireless Communication. IEEE Photonics Journal, 2016, 8, 1-6.	1.0	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.	1.0	54
27	Efficient demodulation scheme for rolling-shutter-patterning of CMOS image sensor based visible light communications. Optics Express, 2017, 25, 24362.	1.7	54
28	All-optical NRZ to RZ format and wavelength converter by dual-wavelength injection locking. Optics Communications, 2002, 209, 329-334.	1.0	49
29	Polarization-independent DPSK demodulation using a birefringent fiber loop. IEEE Photonics Technology Letters, 2005, 17, 1313-1315.	1.3	48
30	Dimming-discrete-multi-tone (DMT) for simultaneous color control and high speed visible light communication. Optics Express, 2014, 22, 7538.	1.7	48
31	Theory and Technology for Standard WiMAX Over Fiber in High Speed Train Systems. Journal of Lightwave Technology, 2010, 28, 2327-2336.	2.7	47
32	Non-flickering 100 m RGB visible light communication transmission based on a CMOS image sensor. Optics Express, 2018, 26, 7079.	1.7	47
33	Compatibility of Silicon Mach-Zehnder Modulators for Advanced Modulation Formats. Journal of Lightwave Technology, 2013, 31, 2550-2554.	2.7	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.	0.6	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.	0.6	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.	1.0	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.	0.6	43
38	Secure communication zone for white-light LED visible light communication. <i>Optics Communications</i> , 2015, 344, 81-85.	1.0	43
39	Thresholding schemes for visible light communications with CMOS camera using entropy-based algorithms. <i>Optics Express</i> , 2016, 24, 25641.	1.7	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.	1.7	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.	1.0	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.	1.3	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.	1.3	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.	1.0	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.	2.7	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.	1.0	41
47	Background Optical Noises Circumvention in LED Optical Wireless Systems Using OFDM. <i>IEEE Photonics Journal</i> , 2013, 5, 7900709-7900709.	1.0	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.	1.7	41
49	Visible Light Communication Using Receivers of Camera Image Sensor and Solar Cell. <i>IEEE Photonics Journal</i> , 2016, 8, 1-7.	1.0	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.	3.4	40
51	Visible Light Communication System Technology Review: Devices, Architectures, and Applications. <i>Crystals</i> , 2021, 11, 1098.	1.0	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.	1.7	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.	1.3	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.	2.7	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.	2.6	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.	1.7	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.	1.3	34
59	Mobile-phone based visible light communication using region-grow light source tracking for unstable light source. Optics Express, 2016, 24, 17505.	1.7	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.	1.7	32
61	Comparison of thresholding schemes for visible light communication using mobile-phone image sensor. Optics Express, 2016, 24, 1973.	1.7	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.	1.6	32
63	Utilizing Single Lightwave for Delivering Baseband/FSO/MMW Traffics Simultaneously in PON Architecture. IEEE Access, 2019, 7, 138927-138931.	2.6	32
64	Rayleigh noise mitigation in DWDM LR-PONs using carrier suppressed subcarrier-amplitude modulated phase shift keying. Optics Express, 2008, 16, 1860.	1.7	31
65	Long-reach radio-over-fiber signal distribution using single-sideband signal generated by a silicon-modulator. Optics Express, 2011, 19, 11312.	1.7	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.	0.5	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.	1.0	31
68	Visible light communications for the implementation of internet-of-things. Optical Engineering, 2016, 55, 060501.	0.5	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.	1.0	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.	1.0	31
71	All-Optical Modulation Format Conversion and Multicasting Using Injection-Locked Laser Diodes. Journal of Lightwave Technology, 2004, 22, 2386-2392.	2.7	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.	1.0	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.	2.1	29
75	Using four wavelength-multiplexed self-seeding Fabry-Perot lasers for 10 Gbps upstream traffic in TDM-PON. Optics Express, 2008, 16, 18857.	1.7	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.	1.3	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.	2.7	28
78	Rolling-shutter-effect camera-based visible light communication using RGB channel separation and an artificial neural network. Optics Express, 2020, 28, 39956.	1.7	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.	1.9	27
80	Secure Mobile-Phone Based Visible Light Communications With Different Noise-Ratio Light-Panel. IEEE Photonics Journal, 2018, 10, 1-6.	1.0	27
81	1250 Mbit/s OOK Wireless White-Light VLC Transmission Based on Phosphor Laser Diode. IEEE Photonics Journal, 2019, 11, 1-5.	1.0	27
82	Utilization of self-injection Fabry-Perot laser diode for long-reach WDM-PON. Optical Fiber Technology, 2010, 16, 46-49.	1.4	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.	1.0	26
84	Stable and wavelength-tunable silicon-micro-ring-resonator based erbium-doped fiber laser. Optics Express, 2013, 21, 2869.	1.7	26
85	Cost-effective wavelength-tunable fiber laser using self-seeding Fabry-Perot laser diode. Optics Express, 2008, 16, 435.	1.7	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.	1.4	25
87	Rayleigh Backscattering Mitigation Using Wavelength Splitting for Heterogeneous Optical Wired and Wireless Access. IEEE Photonics Technology Letters, 2010, 22, 1294-1296.	1.3	24
88	Analysis of the carrier-suppressed single-sideband modulators used to mitigate Rayleigh backscattering in carrier-distributed PON. Optics Express, 2011, 19, 10973.	1.7	24
89	Beacon Jointed Packet Reconstruction Scheme for Mobile-Phone Based Visible Light Communications Using Rolling Shutter. IEEE Photonics Journal, 2017, 9, 1-6.	1.0	24
90	Stable Single-Longitudinal-Mode Erbium Fiber Ring Laser Utilizing Self-Injection and Saturable Absorber. IEEE Photonics Journal, 2017, 9, 1-6.	1.0	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.	2.5	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.	0.5	24
93	Optical packet labeling based on simultaneous polarization shift keying and amplitude shift keying. Optics Letters, 2004, 29, 1861.	1.7	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.	1.7	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.	1.7	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.	2.7	22
98	Hybrid WDM FSO Fiber Access Network With Rayleigh Backscattering Noise Mitigation. IEEE Access, 2020, 8, 96449-96454.	2.6	22
99	CMOS camera based visible light communication (VLC) using grayscale value distribution and machine learning algorithm. Optics Express, 2020, 28, 2427.	1.7	22
100	Rayleigh Backscattering Performance of OFDM-QAM in Carrier Distributed Passive Optical Networks. IEEE Photonics Technology Letters, 2008, 20, 1848-1850.	1.3	21
101	Signal-Remodulated Wired/Wireless Access Using Reflective Semiconductor Optical Amplifier With Wireless Signal Broadcast. IEEE Photonics Technology Letters, 2009, 21, 1459-1461.	1.3	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.	1.3	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.	1.0	21
104	Convergent optical wired and wireless long-reach access network using high spectral-efficient modulation. Optics Express, 2012, 20, 9243.	1.7	20
105	Hybrid OFDM-based multi-band wireless and baseband signal transmission in PON access. Electronics Letters, 2012, 48, 390.	0.5	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.	2.2	20
107	4.343-Gbit/s Green Semipolar (20-21) λ -LED for High Speed Visible Light Communication. IEEE Photonics Journal, 2021, 13, 1-4.	1.0	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.	1.7	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.	2.7	19
110	Tunable Dual-Wavelength Fiber Laser Using Optical-Injection Fabry-Perot Laser. <i>IEEE Photonics Technology Letters</i> , 2009, 21, 125-127.	1.3	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.	0.6	19
112	A Convergent Wireline and Wireless Time-and-Wavelength-Division-Multiplexed Passive Optical Network. <i>IEEE Photonics Journal</i> , 2015, 7, 1-7.	1.0	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.	1.0	19
114	Network Architecture of Bidirectional Visible Light Communication and Passive Optical Network. <i>IEEE Photonics Journal</i> , 2016, 8, 1-7.	1.0	19
115	Light Encryption Scheme Using Light-Emitting Diode and Camera Image Sensor. <i>IEEE Photonics Journal</i> , 2016, 8, 1-7.	1.0	19
116	Performance analysis of free space optical communication traffic integrated with passive optical network. <i>Electronics Letters</i> , 2018, 54, 1228-1229.	0.5	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.	1.0	19
118	A simple self-restored fiber Bragg grating (FBG)-based passive sensing ring network. <i>Measurement Science and Technology</i> , 2009, 20, 043001.	1.4	18
119	40-Gb/s Upstream Transmitters Using Directly Modulated 1.55- μm VCSEL Array for High-Split-Ratio PONs. <i>IEEE Photonics Technology Letters</i> , 2010, 22, 347-349.	1.3	18
120	Employing external injection-locked Fabry-Perot laser scheme for mm-wave generation. <i>Laser Physics</i> , 2011, 21, 718-721.	0.6	18
121	Fault Self-Detection Technique in Fiber Bragg Grating-Based Passive Sensor Network. <i>IEEE Sensors Journal</i> , 2016, 16, 8070-8074.	2.4	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.	2.2	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.	1.0	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.	1.4	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.	1.7	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.	0.6	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.	2.7	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.	1.7	17
130	Signal remodulation high split-ratio hybrid WDM-TDM PONs using RSOA-based ONUs. <i>Electronics Letters</i> , 2009, 45, 903.	0.5	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.	1.7	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.	1.0	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.	1.5	16
134	Color-filter-free spatial visible light communication using RGB-LED and mobile-phone camera. <i>Optics Express</i> , 2014, 22, 30713.	1.7	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.	1.0	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.	1.0	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.	1.8	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.	2.6	16
139	TWDM-PON With Signal Remodulation and Rayleigh Noise Circumvention for NG-PON2. <i>IEEE Photonics Journal</i> , 2013, 5, 7902306-7902306.	1.0	15
140	Alternating-Signal-Biased System Design and Demonstration for Visible Light Communication. <i>IEEE Photonics Journal</i> , 2013, 5, 7901806-7901806.	1.0	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.	6.6	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.	2.2	15
143	Integrated germanium-on-silicon Franzâ€™Keldysh vector modulator used with a Kramersâ€™Kronig receiver. <i>Optics Letters</i> , 2018, 43, 4333.	1.7	15
144	Employing DIALux to relieve machine-learning training data collection when designing indoor positioning systems. <i>Optics Express</i> , 2021, 29, 16887.	1.7	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.	1.7	14
146	Asynchronous Digital Optical Regenerator for 4 Å– 40 Gbit/s WDM to 160 Gbit/s OTDM Conversion. Optics Express, 2007, 15, 8507.	1.7	14
147	Wavelength-selectable single-longitudinal-mode Fabry-Pérot laser source using inter-injection mode-locked technique. Optical Fiber Technology, 2010, 16, 271-273.	1.4	14
148	Measurement of Organic Chemical Refractive Indexes Using an Optical Time-Domain Reflectometer. Sensors, 2012, 12, 481-488.	2.1	14
149	A Flexible and Reliable 40-Gb/s OFDM Downstream TWDM-PON Architecture. IEEE Photonics Journal, 2015, 7, 1-9.	1.0	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.	2.7	14
151	Fiber- and FSO-Protected Connections for Long-Reach TWDM Access Architecture With Fault Protection. IEEE Access, 2020, 8, 189982-189988.	2.6	14
152	High-bandwidth InGaN/GaN semipolar micro-LED acting as a fast photodetector for visible light communications. Optics Express, 2021, 29, 37245.	1.7	14
153	Reduction of amplitude transients and BER of direct Modulation laser using birefringent fiber loop. IEEE Photonics Technology Letters, 2005, 17, 693-695.	1.3	13
154	Simultaneously gain-flattened and gain-clamped erbium fiber amplifier. Laser Physics, 2009, 19, 1246-1251.	0.6	13
155	Wavelength-selection erbium fiber laser with single-mode operation using simple ring design. Laser Physics, 2010, 20, 830-833.	0.6	13
156	Demonstration of using injection-locked Fabry-Pérot laser diode for 10 Å...Gbit/s 16-QAM OFDM WDM-PON. Electronics Letters, 2012, 48, 940.	0.5	13
157	OFDM RF power-fading circumvention for long-reach WDM-PON. Optics Express, 2014, 22, 24392.	1.7	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.	1.0	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.	1.0	13
160	Silicon-Micro-Ring Resonator-Based Erbium Fiber Laser With Single-Longitudinal-Mode Oscillation. IEEE Photonics Journal, 2018, 10, 1-7.	1.0	13
161	PAM4 rolling-shutter demodulation using a pixel-per-symbol labeling neural network for optical camera communications. Optics Express, 2021, 29, 31680.	1.7	13
162	Using Data Pre-Processing and Convolutional Neural Network (CNN) to Mitigate Light Deficient Regions in Visible Light Positioning (VLP) Systems. Journal of Lightwave Technology, 2022, 40, 5894-5900.	2.7	13

#	ARTICLE	IF	CITATIONS
163	Orthogonal label switching using polarization-shift-keying payload and amplitude-shift-keying label. IEEE Photonics Technology Letters, 2005, 17, 2475-2477.	1.3	12
164	Nonlinear polarization rotation in a dispersion-flattened photonic-crystal fiber for ultrawideband (>100 nm) all-optical wavelength conversion of 10 Gbit/s nonreturn-to-zero signals. Optics Letters, 2006, 31, 1782.	1.7	12
165	Long-Reach Multicast High Split-Ratio Wired and Wireless WDM-PON Using SOA for Remote Upconversion. IEEE Transactions on Microwave Theory and Techniques, 2010, 58, 3136-3143.	2.9	12
166	Heterogeneous radio-over-fiber passive access network architecture to mitigate Rayleigh backscattering interferometric beat noise. Optics Express, 2011, 19, 5735.	1.7	12
167	Self-protected ring-star-architecture TDM passive optical network with triple-play management. Optics Communications, 2011, 284, 3248-3250.	1.0	12
168	Visible-light communication multiple-input multiple-output technology for indoor lighting, communication, and positioning. Optical Engineering, 2015, 54, 120502.	0.5	12
169	Cost-Effective Mobile Backhaul Network Using Existing ODN of PONs for the 5G Wireless Systems. IEEE Photonics Journal, 2015, 7, 1-6.	1.0	12
170	Using single side-band modulation for colorless OFDM-WDM access network to alleviate Rayleigh backscattering effects. Optics Express, 2016, 24, 10898.	1.7	12
171	Adaptive filtering for white-light LED visible light communication. Optical Engineering, 2017, 56, 016115.	0.5	12
172	Pre-Distortion Scheme to Enhance the Transmission Performance of Organic Photo-Detector (OPD) Based Visible Light Communication (VLC). IEEE Access, 2018, 6, 7625-7630.	2.6	12
173	Adaptive Thresholding Scheme for Demodulation of Rolling-Shutter Images Obtained in CMOS Image Sensor Based Visible Light Communications. IEEE Photonics Journal, 2018, 10, 1-6.	1.0	12
174	Mode-Division-Multiplexing (MDM) of 9.4-Tbit/s OFDM Signals on Silicon-on-Insulator (SOI) Platform. IEEE Access, 2019, 7, 129104-129111.	2.6	12
175	Utilizing polarization-multiplexing for free space optical communication transmission with security operation. Optical Fiber Technology, 2019, 52, 101992.	1.4	12
176	Single-mode erbium fiber dual-ring laser with 60-nm workable wavelength tunability. Optics and Laser Technology, 2019, 114, 16-19.	2.2	12
177	Survivable and Reliable WDM-PON System With Self-Protected Mechanism Against Fiber Fault. IEEE Access, 2019, 7, 165088-165092.	2.6	12
178	Compact Mode Division MUX/DEMUX Using Enhanced Evanescent-Wave Coupling on Silicon-on-Insulator (SOI) Platform for 11-Tbit/s Broadband Transmission. IEEE Access, 2020, 8, 219881-219890.	2.6	12
179	All-optical RZ to NRZ data format and wavelength conversion using an injection locked laser. Optics Communications, 2003, 223, 309-313.	1.0	11
180	Using C-band erbium-doped fiber amplifier with two-ring scheme for broadly wavelength-tuning fiber ring laser. Optics Communications, 2009, 282, 546-549.	1.0	11

#	ARTICLE	IF	CITATIONS
181	Signal Remodulation Ring WDM Passive Optical Network with Rayleigh Backscattering Interferometric Noise Mitigation. <i>IEEE Communications Letters</i> , 2011, 15, 1114-1116.	2.5	11
182	Optical Nyquist filters based on silicon coupled resonator optical waveguides. <i>Optics Communications</i> , 2014, 329, 23-27.	1.0	11
183	Use of fiber Bragg grating (FBG) for stable and tunable erbium-doped fiber ring laser with single-longitudinal-mode (SLM) output. <i>Laser Physics</i> , 2015, 25, 115101.	0.6	11
184	Differential signaling spread-spectrum modulation of the LED visible light wireless communications using a mobile-phone camera. <i>Optics Communications</i> , 2015, 336, 240-242.	1.0	11
185	Utilizing a silicon-photonic micro-ring-resonator and multi-ring scheme for wavelength-switchable erbium fiber laser in single-longitudinal-mode. <i>Laser Physics Letters</i> , 2016, 13, 065103.	0.6	11
186	110 GHz hybrid mode-locked fiber laser with enhanced extinction ratio based on nonlinear silicon-on-insulator micro-ring-resonator (SOI MRR). <i>Laser Physics Letters</i> , 2016, 13, 035101.	0.6	11
187	Stabilized and tunable single-longitudinal-mode erbium fiber laser employing ytterbium-doped fiber based interference filter. <i>Optics and Laser Technology</i> , 2017, 88, 180-183.	2.2	11
188	Bidirectional Visible Light Communication System Using a Single VCSEL With Predistortion to Enhance the Upstream Remodulation. <i>IEEE Photonics Journal</i> , 2018, 10, 1-7.	1.0	11
189	400Åbit/s OOK green-LED visible light communication with low illumination. <i>Optical and Quantum Electronics</i> , 2018, 50, 1.	1.5	11
190	All-optical data-format and wavelength-conversion in two-wavelength injection-locked slave Fabry-Perot laser diodes. <i>Electronics Letters</i> , 2003, 39, 997.	0.5	10
191	Tunable Dual-Wavelength Fiber Laser Using Optical-Injection Fabry-Perot Laser. <i>IEEE Photonics Technology Letters</i> , 2008, 20, 2093-2095.	1.3	10
192	Modeling of Modulation Formats for Interferometric Noise Mitigation. <i>Journal of Lightwave Technology</i> , 2008, 26, 3190-3198.	2.7	10
193	Signal remodulation without power sacrifice for carrier distributed hybrid WDM-TDM PONs using PolSK. <i>Optics Communications</i> , 2009, 282, 1294-1297.	1.0	10
194	Using 10 Gb/s remodulation DPSK signal in self-restored colorless WDM-PON system. <i>Optical Fiber Technology</i> , 2009, 15, 274-278.	1.4	10
195	Rayleigh Backscattering Circumvention in Ring-Based Access Network Using RSOA-ONU. <i>IEEE Photonics Technology Letters</i> , 2011, 23, 1121-1123.	1.3	10
196	Using dual-mode self-locked semiconductor laser for optical millimeter-wave application. <i>Laser Physics</i> , 2011, 21, 496-499.	0.6	10
197	Fiber-fault protection WDM-PON using new apparatus in optical networking unit. <i>Optics Communications</i> , 2012, 285, 1803-1806.	1.0	10
198	Service integrated access network using highly spectral-efficient MASK-MQAM-OFDM coding. <i>Optics Express</i> , 2013, 21, 6555.	1.7	10

#	ARTICLE	IF	CITATIONS
199	Single-input multiple-output visible light optical wireless communications supporting quality of service. Electronics Letters, 2015, 51, 406-408.	0.5	10
200	Investigation of no analogue-equalization and blue filter for 185Mbps phosphor-LED wireless communication. Optical and Quantum Electronics, 2015, 47, 1991-1997.	1.5	10
201	Amplitude and Phase Modulation of UWB Monocycle Pulses on a Silicon Photonic Chip. IEEE Photonics Technology Letters, 2016, 28, 248-251.	1.3	10
202	Stable and wavelength-selectable C + L band fiber ring laser with single-longitudinal-mode by utilizing C-band erbium fiber amplifier. Optics Express, 2017, 25, 21019.	1.7	10
203	Ten-channel mode-division-multiplexed silicon photonic integrated circuit with sharp bends. Frontiers of Information Technology and Electronic Engineering, 2019, 20, 498-506.	1.5	10
204	Decoding CMOS Rolling-Shutter Pattern in Translational or Rotational Motions for VLC. IEEE Photonics Journal, 2019, 11, 1-5.	1.0	10
205	Free Space Optical Communication in Long-Reach Unidirectional Ring-Architecture Fiber Network. IEEE Access, 2020, 8, 159574-159580.	2.6	10
206	Color-Shift-Keying Embedded Direct-Current Optical-Orthogonal-Frequency-Division-Multiplexing (CSK-DCO-OFDM) for Visible Light Communications (VLC). IEEE Photonics Journal, 2020, 12, 1-5.	1.0	10
207	Two-Level Laser Diode Color-Shift-Keying Orthogonal-Frequency-Division-Multiplexing (LD-CSK-OFDM) for Optical Wireless Communications (OWC). Journal of Lightwave Technology, 2021, 39, 3088-3094.	2.7	10
208	Stable and selectable erbium multiple-ring laser with self-injection loop. Optics and Laser Technology, 2021, 141, 107106.	2.2	10
209	Optical Wireless Communications (OWC) - Technologies and Applications. , 2020, , .		10
210	Optical camera communication (OCC) using a laser-diode coupled optical-diffusing fiber (ODF) and rolling shutter image sensor. Optics Express, 2022, 30, 16069.	1.7	10
211	A Selectable Single-Mode Erbium Fiber Laser With Mach-Zehnder Interferometer and Rayleigh Injection Scheme. IEEE Photonics Journal, 2022, 14, 1-4.	1.0	10
212	Time-division-multiplexing using pulse position locking for 100 Gb/s applications. Optics Express, 2009, 17, 6562.	1.7	9
213	Investigation of Using Injection-Locked Fabry-Pérot Laser Diode With 10% Front-Facet Reflectivity for Short-Reach to Long-Reach Upstream PON Access. IEEE Photonics Journal, 2013, 5, 7901208-7901208.	1.0	9
214	Utilizing simple FBG-based erbium-doped fiber architecture for remote temperature sensing. Laser Physics, 2015, 25, 105102.	0.6	9
215	Stabilized dual-wavelength erbium-doped fiber laser with a single-longitudinal mode by utilizing fiber Bragg grating and a compound-ring filter. Laser Physics Letters, 2016, 13, 025106.	0.6	9
216	Stable single-longitudinal-mode erbium-doped fiber laser with dual-ring structure. Optical Fiber Technology, 2016, 27, 46-48.	1.4	9

#	ARTICLE	IF	CITATIONS
217	Performance enhancement technique of visible light communications using passive photovoltaic cell. Optics Communications, 2017, 392, 119-122.	1.0	9
218	64-Gbit/s PAM-4 20-km Transmission Using Silicon Micro-ring Modulator for Optical Access Networks. , 2017, , .		9
219	High Speed Visible Light Communication Using Digital Power Domain Multiplexing of Orthogonal Frequency Division Multiplexed (OFDM) Signals. Photonics, 2021, 8, 500.	0.9	9
220	Dual-wavelength S-band erbium-doped fiber double-ring laser. Laser Physics, 2008, 18, 1553-1556.	0.6	8
221	Optical frequency doubling for multichannel radio-over-fibre system based on integrated phase modulator and silicon coupled microring notch filter. Electronics Letters, 2009, 45, 697.	0.5	8
222	Broadband access technology for passive optical network. , 2009, , .		8
223	Extended-reach access network with downstream radio-over-fiber (ROF) signal and upstream NRZ signal using orthogonal-WDM. Optics Express, 2012, 20, 16757.	1.7	8
224	Dual-reflected-structure erbium-doped fiber laser in single-longitudinal-mode for wavelength-tuning. Laser Physics, 2012, 22, 957-960.	0.6	8
225	Using a C-band reflective semiconductor optical amplifier and linear cavity laser scheme for L-band multi-wavelength lasing. Laser Physics Letters, 2013, 10, 045108.	0.6	8
226	Reliability of stable fiber Bragg grating sensor system for monitoring temperature and strain individually. Measurement Science and Technology, 2019, 30, 105108.	1.4	8
227	1.12-Tbit/s PAM-4 Enabled by a Silicon Photonic Transmitter Bridged With a 7-Channel MCF. IEEE Photonics Technology Letters, 2020, 32, 987-990.	1.3	8
228	VCSEL and LED Based Visible Light Communication System by Applying Decode-and-Forward Relay Transmission. Journal of Lightwave Technology, 2020, 38, 5728-5732.	2.7	8
229	DP-QPSK Coherent Detection Using 2D Grating Coupled Silicon Based Receiver. IEEE Photonics Journal, 2021, 13, 1-5.	1.0	8
230	Visible light positioning (VLP) system using low-cost organic photovoltaic cell (OPVC) for low illumination environments. Optics Express, 2020, 28, 26137.	1.7	8
231	A Survivable Optical Network for WDM Access Against Fiber Breakpoint. IEEE Access, 2022, 10, 25828-25833.	2.6	8
232	130-m Image sensor based Visible Light Communication (VLC) using under-sample modulation and spatial modulation. Optics Communications, 2022, 519, 128405.	1.0	8
233	Serial OTDM for 100â€¦Gbit-Ethernet applications. Electronics Letters, 2006, 42, 485.	0.5	7
234	Optical interconnection of core and metro networks [Invited]. Journal of Optical Networking, 2008, 7, 928.	2.5	7

#	ARTICLE	IF	CITATIONS
235	10Gb/s TDM passive optical networks using four wavelengths multiplexed channels. Optics Communications, 2009, 282, 2476-2479.	1.0	7
236	Utilization of four WDM channels with signal remodulation of OFDM-QAM for 10Gb/s uplink passive optical networks. Optics Communications, 2009, 282, 3701-3705.	1.0	7
237	Wavelength-Tunable Laser for Signal Remodulation in WDM Access Networks Using DPSK Downlink and OOK Uplink. IEEE Photonics Technology Letters, 2009, 21, 1710-1712.	1.3	7
238	Using optimal cavity loss and saturable-absorber passive filter for stable and tunable dual-wavelength erbium fiber laser in single-longitudinal-mode operation. Laser Physics Letters, 2011, , n/a-n/a.	0.6	7
239	Stable and wavelength-tunable RSOA- and SOA-based fiber ring laser. Optical Fiber Technology, 2014, 20, 250-253.	1.4	7
240	115Gbit/s downstream and 10Gbit/s upstream TWDM-PON together with 11.25Gbit/s wireless signal utilizing OFDM-QAM modulation. Optical Fiber Technology, 2014, 20, 84-89.	1.4	7
241	Employment of silicon-micro-ring resonator and compound-ring architecture for stable and tunable single-longitudinal-mode fiber laser. Optics and Laser Technology, 2018, 105, 114-117.	2.2	7
242	Mitigation of performance degradation due to dynamic display contents in visible light communication using TV backlight and CMOS image sensor. Optics Express, 2018, 26, 22342.	1.7	7
243	Switchable dual-wavelength single-longitudinal-mode erbium fiber laser utilizing a dual-ring scheme with a saturable absorber. Laser Physics, 2018, 28, 065104.	0.6	7
244	A Single-Mode Erbium Fiber Laser With Flat Power Output and Wide Wavelength Tunability. IEEE Photonics Journal, 2020, 12, 1-5.	1.0	7
245	2.333-Tbit/s bi-directional optical mobile networks using optical wireless communication (OWC). Optics Communications, 2020, 475, 126187.	1.0	7
246	Vernier effect based fiber laser with switchable and stable single-mode output behavior. Optical and Quantum Electronics, 2022, 54, .	1.5	7
247	Employing dual-saturable-absorber-based filter for stable and tunable erbium-doped fiber ring laser in single-frequency. Laser Physics, 2011, 21, 924-927.	0.6	6
248	Stable wavelength-tuning laser in single-frequency by optical-injected Fabry-Perot laser diode and RSOA for long fiber distance propagation. Laser Physics, 2012, 22, 256-260.	0.6	6
249	S-band pulse generation by polarization additive-pulse mode-locking in an erbium-doped all-fiber ring laser. Laser Physics Letters, 2014, 11, 015105.	0.6	6
250	Passive optical receiver for visible light communication (VLC). , 2015, , .		6
251	Narrow line-width single-longitudinal-mode fiber laser using silicon-on-insulator based micro-ring-resonator. Laser Physics Letters, 2016, 13, 025102.	0.6	6
252	Mode-locking S-band erbium fiber laser by employing alcohol-based saturable-absorber. Optical and Quantum Electronics, 2017, 49, 1.	1.5	6

#	ARTICLE	IF	CITATIONS
253	Rayleigh Backscattering Noise Alleviation in Long-Reach Ring-Based WDM Access Communication. IEEE Access, 2020, 8, 105065-105070.	2.6	6
254	An Erbium Fiber Laser With Single-Frequency Oscillation and Wavelength-Upconverted Output. IEEE Photonics Journal, 2020, 12, 1-7.	1.0	6
255	Quad-ring based erbium fiber laser for switchable and stable single-longitudinal-mode operation. Optical Fiber Technology, 2021, 61, 102450.	1.4	6
256	Demonstration of non-Hermitian symmetry (NHS) serial-complex-valued orthogonal frequency division multiplexing (SCV-OFDM) for white-light visible light communication (VLC). OSA Continuum, 2020, 3, 1163.	1.8	6
257	Dynamic-channel-equalizer using in-line channel power monitor and electronic variable optical attenuator. Optics Communications, 2007, 272, 87-91.	1.0	5
258	10Gb/s optical carrier distributed network with W-band (0.1THz) short-reach wireless communication system. Optics Communications, 2012, 285, 4307-4311.	1.0	5
259	Adaptive upstream optical power adjustment depending on required power budget in PON access. Optics Communications, 2012, 285, 4927-4930.	1.0	5
260	Demonstrations of 10 and 40Gbps upstream transmissions using 1.2GHz RSOA-based ONU in long-reach access networks. Optical Fiber Technology, 2012, 18, 63-67.	1.4	5
261	AC-based phosphor LED visible light communication by utilizing novel signal modulation. Optical and Quantum Electronics, 2013, 45, 1057-1061.	1.5	5
262	A scalable and continuous-upgradable optical wireless and wired convergent access network. Optics Express, 2014, 22, 12779.	1.7	5
263	Coding for stable transmission of W-band radio-over-fiber system using direct-beating of two independent lasers. Optics Express, 2014, 22, 26092.	1.7	5
264	Two-level modulation scheme to reduce latency for optical mobile fronthaul networks. Optics Express, 2016, 24, 25767.	1.7	5
265	A Selectable Single-Mode Erbium Laser With Power-Flattened Output Employing Dual-Sagnac-Ring. IEEE Access, 2019, 7, 92938-92942.	2.6	5
266	A fiber Bragg grating based passive semicircular sensor architecture with fault monitoring. Optical Fiber Technology, 2019, 48, 258-262.	1.4	5
267	Feedback-Injected Erbium Fiber Laser With Selectable Tunability and Constant Single-Longitudinal-Mode Characteristic. IEEE Access, 2020, 8, 187858-187863.	2.6	5
268	26.228-Gbit/s RGBV Visible Light Communication (VLC) with 2-m Free Space Transmission. , 2020, , .		5
269	Analysis of Non-Hermitian symmetry (NHS) IFFT/FFT size efficient OFDM for multiple-client non-orthogonal multiple access (NOMA) visible light communication (VLC) system. Optics Communications, 2020, 472, 125991.	1.0	5
270	Using silicon photovoltaic cells and machine learning and neural network algorithms for visible-light positioning systems. Optical Engineering, 2020, 59, .	0.5	5

#	ARTICLE	IF	CITATIONS
271	Using Received-Signal-Strength (RSS) Pre-Processing and Convolutional Neural Network (CNN) to Enhance Position Accuracy in Visible Light Positioning (VLP). , 2022, , .		5
272	Optical label switching of DRZ/DPSK orthogonal signal generated by photonic-crystal fiber. Optics Letters, 2006, 31, 2535.	1.7	4
273	Experimental demonstration of CW light injection effect in upstream traffic TDM-PON. Optical Fiber Technology, 2010, 16, 178-181.	1.4	4
274	Bidirectional colorless wired and wireless WDM-PON with improved dispersion tolerance for radio over fiber. Optics Communications, 2011, 284, 3518-3521.	1.0	4
275	Recent advances in millimeter-wave photonic wireless links for very high data rate communication. , 2011, , .		4
276	Design and characterization of large-core optical fiber for Light Peak applications. Optical Engineering, 2012, 51, 015006.	0.5	4
277	Self-protected time-division-multiplexed passive access networks in tree and ring topology architectures. Photonic Network Communications, 2012, 23, 130-136.	1.4	4
278	Adaptive upstream rate adjustment by RSOA-ONU depending on different injection power of seeding light in standard-reach and long-reach PON systems. Optics Communications, 2012, 285, 3587-3591.	1.0	4
279	Visible light communications using predistortion signal to enhance the response of passive optical receiver. Optical Engineering, 2016, 55, 010501.	0.5	4
280	Based on Silicon-Micro-Ring-Resonator and Triple-Ring Cavity for Stable and Tunable Erbium Fiber Laser. , 2018, , .		4
281	Stabilized single-longitudinal-mode erbium fibre laser employing silicon-micro-ring resonator and saturable absorber. Laser Physics, 2018, 28, 075103.	0.6	4
282	Symmetric >67 Gbps OFDM-IMDD based WDM access network for mitigating Rayleigh backscattering interference noise. Optics Communications, 2020, 454, 124504.	1.0	4
283	Demonstration of 1-Gbps real-time optical wireless communication by simple transmission scheme. Optical and Quantum Electronics, 2020, 52, 1.	1.5	4
284	Utilizing single-wavelength for OFDM wireless downstream and remodulated OOK upstream in colorless access network to mitigate Rayleigh backscattering noise. Optical Fiber Technology, 2020, 58, 102268.	1.4	4
285	Analysis and Investigation of Dual-Polarized Color LED Based Visible Light Communication System. Photonics, 2021, 8, 210.	0.9	4
286	56 Gbit/s DMT Signal Generated by an Integrated Silicon Ring Modulator. , 2016, , .		4
287	In-fiber Long-Period Grating and Fiber Bragg Grating-Based Sensor for Simultaneously Monitoring Remote Temperature and Stress. Sensors and Materials, 2018, , 23.	0.3	4
288	3-D Indoor Visible Light Positioning (VLP) System based on Linear Regression or Kernel Ridge Regression Algorithms. , 2020, , .		4

#	ARTICLE	IF	CITATIONS
289	A Survivable and Flexible WDM Access Network by Alternate FSO- and Fiber-Paths for Fault Protection. IEEE Photonics Journal, 2022, 14, 1-5.	1.0	4
290	280 Gb/s Dual-Polarization Transmitter using Ge-on-Si EAMs for Short-Reach Interconnects. , 2020, , .		4
291	Digital Domain Power Division Multiplexing Optical OFDM for Free Space Optical Communication (FSOC) Using 10-GHz Bandwidth Optical Components. IEEE Photonics Journal, 2022, 14, 1-7.	1.0	4
292	Utilizing single light-emitting-diode (LED) lamp and silicon solar-cells visible light positioning (VLP) based on angle-of-arrival (AOA) and long-short-term-memory-neural-network (LSTMNN). Optics Communications, 2022, 524, 128761.	1.0	4
293	Integrated Fiber-FSO WDM Access System with Fiber Fault Protection. Electronics (Switzerland), 2022, 11, 2101.	1.8	4
294	Characterization of phase modulated non-return-to-zero (PM-NRZ) format for DWDM long reach PONs. Optics Communications, 2009, 282, 2787-2791.	1.0	3
295	Simple erbium-doped dual-ring fiber laser configuration for stable and tunable dual-wavelength output. Laser Physics, 2011, 21, 1645-1649.	0.6	3
296	Compensation of power drops in reflective semiconductor optical amplifier-based passive optical network with upstream data rate adjustment. Optical Engineering, 2011, 50, 095004.	0.5	3
297	An energy-efficient tie-type architecture for stable and wavelength-tunable SOA-based fiber laser. Optics Communications, 2012, 285, 4470-4473.	1.0	3
298	2.5-10Gbit/s laser source based on two optical-injection Fabry-Perot laser diodes. Optical Fiber Technology, 2013, 19, 579-582.	1.4	3
299	Square-core single-mode-fiber (SC-SMF) with high bending tolerance for data center networks. Optics Communications, 2015, 349, 11-14.	1.0	3
300	Use of proper cavity loss for a stable single-longitudinal-mode erbium fiber laser. Laser Physics, 2017, 27, 065109.	0.6	3
301	Using multi-ring structure for suppression of mode competition in stable single-longitudinal-mode erbium fiber laser. Journal of Physics B: Atomic, Molecular and Optical Physics, 2017, 50, 245401.	0.6	3
302	Scalable Ultra-Wideband Pulse Generation Based on Silicon Photonic Integrated Circuits. IEEE Photonics Technology Letters, 2017, 29, 1896-1899.	1.3	3
303	Utilizing wheel-ring architecture for stable and selectable single-longitudinal-mode erbium fiber laser. Optics Communications, 2018, 410, 923-925.	1.0	3
304	Utilizing self-injection Rayleigh backscattering feedback for channel-selected erbium laser with single-longitudinal-mode output. Physica Scripta, 2020, 95, 075502.	1.2	3
305	Applying self-injection and dual-ring based fiber laser for wide tunability and stable single-frequency output. Optics and Laser Technology, 2021, 137, 106804.	2.2	3
306	Stabilized single-longitudinal-mode fiber laser with broadband and flat wavelength output. Physica Scripta, 2021, 96, 015503.	1.2	3

#	ARTICLE	IF	CITATIONS
307	20 Gbit/s Tricolor R/G/B Laser Diode based Bi-directional Signal Remodulation Visible Light Communication System. , 2018, , .		3
308	3.129-Gbit/s OFDM Visible Light Communication Using Semipolar Green $\frac{1}{4}$ -Light Emitting Diode ($\frac{1}{4}$ -LED) Array. , 2021, , .		3
309	Long Short-Term Memory Neural Network to Enhance the Data Rate and Performance for Rolling Shutter Camera Based Visible Light Communication (VLC). , 2022, , .		3
310	High Speed RGB Visible Light Communication (VLC) Using Digital Power-Domain Multiplexing (DPDM) of Orthogonal Frequency Division Multiplexed (OFDM) Signals. , 2022, , .		3
311	Serial dark soliton for 100-gb/s applications. IEEE Photonics Technology Letters, 2006, 18, 1521-1523.	1.3	2
312	3-bit/symbol optical data format based on simultaneous DRZ, DPSK and PolSK orthogonal modulations. Optics Express, 2006, 14, 1720.	1.7	2
313	Using multimode Fabry-Perot laser without external-injection for wavelength conversion. Electronics Letters, 2009, 45, 327.	0.5	2
314	Advanced modulation formats for delivery of heterogeneous wired and wireless access networks. Optics Communications, 2009, 282, 4688-4692.	1.0	2
315	Stable Multiwavelength Semiconductor Laser Using FWM and SBS-Assisted Filter. IEEE Photonics Technology Letters, 2011, 23, 1627-1629.	1.3	2
316	Characterization of Rayleigh backscattering performance of CS-SSB signal in carrier distributed passive optical network. Optics Communications, 2011, 284, 3264-3268.	1.0	2
317	40 Gb/s on-off keying downstream and 10 Gb/s on-off keying remodulated upstream signals in long-reach access network with multivideo services. Optical Engineering, 2011, 50, 125008.	0.5	2
318	Using a 1.2-ÅGHz bandwidth reflective semiconductor optical amplifier with seeding light by 64-quadrature amplitude modulation orthogonal frequency division multiplexing modulation to achieve a 10×10^9 gbits/s upstream rate in long-reach passive optical network access. Optical Engineering, 2012, 51, 015004.	0.5	2
319	Ultra-broadband amplified spontaneous emission source by using heterogeneous optical amplifier. Laser Physics, 2012, 22, 1700-1703.	0.6	2
320	Semiconductor optical amplifier-based laser with 25 km long cavity length utilizing sagnac fiber ring structure. Laser Physics, 2012, 22, 1717-1720.	0.6	2
321	Utilizing 1.2-ÅGHz bandwidth reflective semiconductor optical amplifier for 1.25×10^9 Gbit/s for colourless and cooler-less wavelength conversion. Optical and Quantum Electronics, 2013, 45, 1223-1227.	1.5	2
322	Demonstration of using digital FIR filter and matched filter to increase data rate in visible light communication. Proceedings of SPIE, 2013, , .	0.8	2
323	High-speed phosphor-LED wireless communication system utilizing no blue filter. , 2014, , .		2
324	Optical wireless communications using visible LED. , 2015, , .		2

#	ARTICLE	IF	CITATIONS
325	Utilizing new erbium-doped fiber laser scheme for long-distance fiber Bragg grating (FBG) sensor system. , 2015, , .		2
326	Optical filter analyses for demultiplexing all-optical OFDM transmission systems. Optical and Quantum Electronics, 2015, 47, 2781-2792.	1.5	2
327	Use of RSOA-transmitter for OFDM colorless WDM-PON communication. Optical and Quantum Electronics, 2016, 48, 1.	1.5	2
328	Wavelength-selectable and steady single-mode erbium-doped fiber multiple ring laser. Laser Physics, 2017, 27, 115104.	0.6	2
329	100-m Long Distance RGB Visible Light Camera Communication. , 2018, , .		2
330	62 nm CW wavelength-selectable erbium-doped fiber compound-ring laser with stable single-mode output. Physica Scripta, 2019, 94, 125801.	1.2	2
331	Single-mode erbium laser with CW tunability by exploiting saturable absorber and self-injected loop. Optics Communications, 2020, 459, 124968.	1.0	2
332	Symmetry 28 Gbps/«i»«/i» WDM Access Network Together With Confidential Connection Between Two Specific Clients. IEEE Access, 2021, 9, 122738-122743.	2.6	2
333	Dual-Polarized WDM Access Network With Fiber to the Extension (FTTE) Connection. IEEE Photonics Journal, 2021, 13, 1-6.	1.0	2
334	A single-mode erbium laser with switchable single- and dual-wavelength operation. Physica Scripta, 2021, 96, 125512.	1.2	2
335	Adaptive and secure VCSEL FSO based on simple dual-polarized architecture for short distance transmission. Physica Scripta, 2020, 95, 095505.	1.2	2
336	Mitigation of LED Nonlinearity Using Adaptive Equalization for Visible Light Communications. , 2017, , .		2
337	Self-starting S-band mode-locked fiber ring laser by polarization additive pulse mode-locking. , 2013, , .		2
338	512-Gbit/s PAM-4 Signals Direct-Detection using Silicon Photonics Receiver with Volterra Equalization. , 2018, , .		2
339	Z-Score Averaging Neural Network and Background Content Removal for High Performance Rolling Shutter based Optical Camera Communication (OCC). , 2021, , .		2
340	Stable and Wavelength-Selectable Quad-Ring based erbium laser with 2-kHz linewidth output. Optics and Laser Technology, 2022, 149, 107819.	2.2	2
341	Use of Simple Octa-Ring Configuration for Tunable Erbium Laser With Single-Mode Output. IEEE Access, 2022, 10, 38750-38754.	2.6	2
342	Long-reach WDM PONs. , 2010, , .		1

#	ARTICLE	IF	CITATIONS
343	Using Sagnac loop of optical-injected semiconductor laser scheme for stable and continuous CW wavelength-tuning. <i>Laser Physics</i> , 2012, 22, 278-281.	0.6	1
344	Multi-Bound Pulse State in a 250 GHz Mode-Locked Fiber Laser Based on a Silicon Micro-Ring Resonator. , 2013, , .		1
345	Demonstration of a self-injected Fabry-Pérot laser for dual-wavelength tuning together with different mode-spacing. <i>Laser Physics</i> , 2014, 24, 065101.	0.6	1
346	Use of a reflective semiconductor optical amplifier and dual-ring architecture design to produce a stable multi-wavelength fiber laser. <i>Laser Physics</i> , 2014, 24, 055101.	0.6	1
347	Demonstration of using multi-band 16-QAM OFDM modulation with direct-detection in 10 GHz bandwidth for 37.3-Gb/s PON. <i>Photonic Network Communications</i> , 2014, 27, 28-33.	1.4	1
348	Stable and wavelength-tunable self-injected reflective semiconductor optical amplifier-based fiber laser. <i>IEEE Photonics Journal</i> , 2015, , 1-1.	1.0	1
349	Visible Light Communication. <i>Topics in Applied Physics</i> , 2015, , 107-121.	0.4	1
350	Smart architecture for stable multipoint fiber Bragg grating sensor system. <i>Laser Physics</i> , 2017, 27, 126201.	0.6	1
351	Bi-directional Visible Light Communication Using a Single 682nm Visible Vertical-Cavity Surface-Emitting Laser (VCSEL) and Signal Remodulation. , 2017, , .		1
352	Stable and Tunable Single-Mode Erbium Fiber Laser by Utilizing Silicon-Based Micro Ring Resonator and Multi-Ring Scheme. , 2017, , .		1
353	Silicon-on-Insulator (SOI) based Polarization-Exchanger using Asymmetric Directional Coupler. , 2018, , .		1
354	Visible Light Communication Using Advertisement-Light-Board and Rolling-Shutter-Effect based CMOS Mobile-Phone Camera. , 2018, , .		1
355	Compact and High-Speed Ge Franz-Keldysh I/Q Modulator Used with Kramers-Kronig Receiver. , 2018, , .		1
356	Performances of M-ACO-OFDM, DCO-OFDM and M-GLIM OFDM in Visible Light Communication Systems. , 2019, , .		1
357	Implementing Deep Neural Network for Signal Transmission Distortion Mitigation of PAM-4 Generated by Silicon Mach-Zehnder Modulator. , 2019, , .		1
358	Transmission Performance Improvement of PAM-4 Signal Direct-Detected by Ge-Si Photodiode using Volterra Equalization. , 2017, , .		1
359	192-Gbit/s PAM-4 Optical Interconnect using Mode-Division Multiplexing. , 2018, , .		1
360	Using DIALux and Regression-based Machine Learning Algorithm for Designing Indoor Visible Light Positioning (VLP) and Reducing Training Data Collection. , 2021, , .		1

#	ARTICLE	IF	CITATIONS
361	UNDERSTANDING STANDARD OFDM WIMAX SIGNAL ACCESS IN RADIO OVER FIBER SYSTEM. Progress in Electromagnetics Research C, 2009, 10, 201-214.	0.6	1
362	Embedded Orthogonal-Frequency-Division-Multiplexing (OFDM) to Color-Shift-Keying (CSK) Modulation for Laser-Diode based Visible Light Communication (VLC). , 2021, , .		1
363	Using Pixel-per-bit Neural Network for Two Rolling Shutter Patterns Decoding in Optical Camera Communication (OCC). , 2021, , .		1
364	Passive 100W High Power Bias-Tee for Visible Light Communication Systems. , 2020, , .		1
365	Wide Field-of-View (FOV) Light-Diffusing Fiber Optical Transmitter for Rolling Shutter based Optical Camera Communication (OCC). , 2022, , .		1
366	High repetition rate pulses generated by differential phase assisted injection-locking of Fabry-Perot laser diode. Optics Communications, 2004, 241, 437-442.	1.0	0
367	An optical switch-based self-restored WDM-PON architecture against fiber faults. Proceedings of SPIE, 2010, , .	0.8	0
368	Two-mode semiconductor laser for mm-wave in radio over fiber transmission. , 2010, , .		0
369	Comparison of Two CS-SSB Modulators Used in Bidirectional Carrier Distributed Long-Reach Passive Optical Network. , 2011, , .		0
370	C+L band wavelength division multiplexing access network with distributed-controlled protection architecture. Optical Engineering, 2011, 50, 125006.	0.5	0
371	Bend and twist insensitive large core multimode fiber (LCMMF) for baseband and ROF in-home data transmission. Optics Communications, 2013, 294, 78-82.	1.0	0
372	L-band multi-wavelength fiber laser utilizing reflective semiconductor optical amplifier with a linear cavity. , 2013, , .		0
373	QPSK modulation for AC-power-signal-biased visible light communication system. Proceedings of SPIE, 2013, , .	0.8	0
374	Using injection-locked Fabry-Perot laser diode with 10% frond-facet reflectivity for 10 Gbps upstream PON access. , 2013, , .		0
375	Self-Protected Sensor System Utilizing Fiber Bragg Grating (FBG)-Based Sensors. , 2014, , .		0
376	Hierarchical scheme for detection of rotating MIMO visible light communication systems using mobile-phone camera. , 2014, , .		0
377	Direct-detection all-optical OFDM superchannel for long-reach PON. , 2014, , .		0
378	Utilizing self-seeding RSOA with Faraday rotator mirror for colorless access network. , 2014, , .		0

#	ARTICLE	IF	CITATIONS
379	Color-filter-free WDM MIMO RGB-LED visible light communication system using mobile-phone camera. , 2014, , .		0
380	A secure WDM ring access network employing silicon micro-ring based remote node. Optical Fiber Technology, 2014, 20, 336-340.	1.4	0
381	Design of visible light communication system for maintaining uniform data rate. , 2014, , .		0
382	Wavelength-tunable erbium-doped fiber laser using silicon-on-insulator (SOI) based micro-ring with narrow laser linewidth. , 2015, , .		0
383	Low bending loss square-core optical fiber for optical communication. Proceedings of SPIE, 2015, , .	0.8	0
384	56 Gb/s OOK transmission in robust and bend-insensitive GGP 80- μm ultra-large-core (ULC) MMF for lightpeak. Optical and Quantum Electronics, 2015, 47, 529-533.	1.5	0
385	Utilization of Reflective Semiconductor Optical Amplifier (RSOA) for Multiwavelength and Wavelength-Tunable Fiber Lasers. , 0, , .		0
386	Utilizing dual-pass composite-ring architecture for a stabilized and wavelength-selectable single-longitudinal-mode erbium-doped fiber laser. Laser Physics, 2016, 26, 105102.	0.6	0
387	Dynamic bandwidth allocation for multi-band OFDM wireless VLC system. , 2016, , .		0
388	Polarization-Multiplexed Rolling Shutter Demodulation in Mobile-Phone Based Visible Light Communication. , 2018, , .		0
389	Silicon-photonics based remote-radio-head using mode and wavelength division multiplexing with capacity of 4.781 Tbit/s for Radio-Over-Fiber Massive MIMO. , 2019, , .		0
390	Uses of Silicon Microring Resonator and Saturable Absorber for Tunable Single-Mode Erbium Fiber Laser. , 2019, , .		0
391	Utilizing C-band erbium fiber and saturable absorber for broadband and continuous wavelength tunability laser with single-mode oscillation. Laser Physics, 2020, 30, 035102.	0.6	0
392	Broadband Optical Access using Centralized Carrier Distribution. , 2012, , 1958-1977.		0
393	Ultra-wideband monocycle pulses amplitude modulation based on integrated microring modulator. , 2015, , .		0
394	Compact 84ÅGHz passive mode-locked fiber laser using dual-fiber coupled fused-quartz microresonator. Optical Engineering, 2017, 56, 1.	0.5	0
395	High Bandwidth Semipolar (20-21) μm -LED Serving as Photo-Receiver for Visible Light Communication. , 2021, , .		0
396	Using Machine Learning and Light Spatial Sequence Arrangement for Copying Positioning Unit Cell to Reduce Training Burden in Visible Light Positioning (VLP). , 2021, , .		0

#	ARTICLE	IF	CITATIONS
397	Using Non-Hermitian Symmetry IFFT/FFT Size Efficient OFDM for Non-Orthogonal Multiple Access Visible Light Communication (NOMA VLC) Networks. , 2020, , .		0
398	Simple Erbium Fiber Laser Architecture for Stable Tunability and Single-Mode Oscillation. , 2020, , .		0
399	Use of symmetric sagnac dual-ring scheme for tunable single-mode erbium fiber laser. Physica Scripta, 2022, 97, 025501.	1.2	0
400	Non-Hermitian Symmetry(NHS)-OFDM Application in MIMO-NOMA-VLC System Serving 6 Users. , 2021, , .		0
401	A Stabilized Single-Longitudinal-Mode and Wide Wavelength Tunability Erbium Laser. Photonics, 2022, 9, 336.	0.9	0