

Chi-Wai Chow

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	A Survivable and Flexible WDM Access Network by Alternate FSO- and Fiber-Paths for Fault Protection. IEEE Photonics Journal, 2022, 14, 1-5.	2.0	4
2	Stable and Wavelength-Selectable Quad-Ring based erbium laser with 2-kHz linewidth output. Optics and Laser Technology, 2022, 149, 107819.	4.6	2
3	Use of symmetric sagnac dual-ring scheme for tunable single-mode erbium fiber laser. Physica Scripta, 2022, 97, 025501.	2.5	0
4	Optical camera communication (OCC) using a laser-diode coupled optical-diffusing fiber (ODF) and rolling shutter image sensor. Optics Express, 2022, 30, 16069.	3.4	10
5	A Survivable Optical Network for WDM Access Against Fiber Breakpoint. IEEE Access, 2022, 10, 25828-25833.	4.2	8
6	Use of Simple Octa-Ring Configuration for Tunable Erbium Laser With Single-Mode Output. IEEE Access, 2022, 10, 38750-38754.	4.2	2
7	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
8	Using Received-Signal-Strength (RSS) Pre-Processing and Convolutional Neural Network (CNN) to Enhance Position Accuracy in Visible Light Positioning (VLP). , 2022, , .		5
9	Long Short-Term Memory Neural Network to Enhance the Data Rate and Performance for Rolling Shutter Camera Based Visible Light Communication (VLC). , 2022, , .		3
10	High Speed RGB Visible Light Communication (VLC) Using Digital Power-Domain Multiplexing (DPDM) of Orthogonal Frequency Division Multiplexed (OFDM) Signals. , 2022, , .		3
11	Wide Field-of-View (FOV) Light-Diffusing Fiber Optical Transmitter for Rolling Shutter based Optical Camera Communication (OCC). , 2022, , .		1
12	A Stabilized Single-Longitudinal-Mode and Wide Wavelength Tunability Erbium Laser. Photonics, 2022, 9, 336.	2.0	0
13	130-m Image sensor based Visible Light Communication (VLC) using under-sample modulation and spatial modulation. Optics Communications, 2022, 519, 128405.	2.1	8
14	A Selectable Single-Mode Erbium Fiber Laser With Mach-Zehnder Interferometer and Rayleigh Injection Scheme. IEEE Photonics Journal, 2022, 14, 1-4.	2.0	10
15	Vernier effect based fiber laser with switchable and stable single-mode output behavior. Optical and Quantum Electronics, 2022, 54, .	3.3	7
16	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.	4.6	13
17	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.	2.0	4
18	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.	2.1	4

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19	Integrated Fiber-FSO WDM Access System with Fiber Fault Protection. <i>Electronics (Switzerland)</i> , 2022, 11, 2101.	3.1	4
20	DP-QPSK Coherent Detection Using 2D Grating Coupled Silicon Based Receiver. <i>IEEE Photonics Journal</i> , 2021, 13, 1-5.	2.0	8
21	Quad-ring based erbium fiber laser for switchable and stable single-longitudinal-mode operation. <i>Optical Fiber Technology</i> , 2021, 61, 102450.	2.7	6
22	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
23	Symmetry 28 Gbps WDM Access Network Together With Confidential Connection Between Two Specific Clients. <i>IEEE Access</i> , 2021, 9, 122738-122743.	4.2	2
24	Two-Level Laser Diode Color-Shift-Keying Orthogonal-Frequency-Division-Multiplexing (LD-CSK-OFDM) for Optical Wireless Communications (OWC). <i>Journal of Lightwave Technology</i> , 2021, 39, 3088-3094.	4.6	10
25	Applying self-injection and dual-ring based fiber laser for wide tunability and stable single-frequency output. <i>Optics and Laser Technology</i> , 2021, 137, 106804.	4.6	3
26	Employing DIALux to relieve machine-learning training data collection when designing indoor positioning systems. <i>Optics Express</i> , 2021, 29, 16887.	3.4	15
27	Analysis and Investigation of Dual-Polarized Color LED Based Visible Light Communication System. <i>Photonics</i> , 2021, 8, 210.	2.0	4
28	Display Light Panel and Rolling Shutter Image Sensor Based Optical Camera Communication (OCC) Using Frame-Averaging Background Removal and Neural Network. <i>Journal of Lightwave Technology</i> , 2021, 39, 4360-4366.	4.6	28
29	Dual-Polarized WDM Access Network With Fiber to the Extension (FTTE) Connection. <i>IEEE Photonics Journal</i> , 2021, 13, 1-6.	2.0	2
30	4.343-Gbit/s Green Semipolar (20-21) λ -LED for High Speed Visible Light Communication. <i>IEEE Photonics Journal</i> , 2021, 13, 1-4.	2.0	20
31	PAM4 rolling-shutter demodulation using a pixel-per-symbol labeling neural network for optical camera communications. <i>Optics Express</i> , 2021, 29, 31680.	3.4	13
32	High-bandwidth InGaN/GaN semipolar micro-LED acting as a fast photodetector for visible light communications. <i>Optics Express</i> , 2021, 29, 37245.	3.4	14
33	A single-mode erbium laser with switchable single- and dual-wavelength operation. <i>Physica Scripta</i> , 2021, 96, 125512.	2.5	2
34	Visible Light Communication System Technology Review: Devices, Architectures, and Applications. <i>Crystals</i> , 2021, 11, 1098.	2.2	40
35	Stable and selectable erbium multiple-ring laser with self-injection loop. <i>Optics and Laser Technology</i> , 2021, 141, 107106.	4.6	10
36	Stabilized single-longitudinal-mode fiber laser with broadband and flat wavelength output. <i>Physica Scripta</i> , 2021, 96, 015503.	2.5	3

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37	Using DIALux and Regression-based Machine Learning Algorithm for Designing Indoor Visible Light Positioning (VLP) and Reducing Training Data Collection. , 2021, , .		1
38	Embedded Orthogonal-Frequency-Division-Multiplexing (OFDM) to Color-Shift-Keying (CSK) Modulation for Laser-Diode based Visible Light Communication (VLC). , 2021, , .		1
39	Z-Score Averaging Neural Network and Background Content Removal for High Performance Rolling Shutter based Optical Camera Communication (OCC). , 2021, , .		2
40	3.129-Gbit/s OFDM Visible Light Communication Using Semipolar Green $\frac{1}{4}$ -Light Emitting Diode ($\frac{1}{4}$ -LED) Array. , 2021, , .		3
41	High Speed Visible Light Communication Using Digital Power Domain Multiplexing of Orthogonal Frequency Division Multiplexed (OFDM) Signals. Photonics, 2021, 8, 500.	2.0	9
42	High Bandwidth Semipolar (20-21) $\frac{1}{4}$ -LED Serving as Photo-Receiver for Visible Light Communication. , 2021, , .		0
43	Using Machine Learning and Light Spatial Sequence Arrangement for Copying Positioning Unit Cell to Reduce Training Burden in Visible Light Positioning (VLP). , 2021, , .		0
44	Using Pixel-per-bit Neural Network for Two Rolling Shutter Patterns Decoding in Optical Camera Communication (OCC). , 2021, , .		1
45	Non-Hermitian Symmetry(NHS)-OFDM Application in MIMO-NOMA-VLC System Serving 6 Users. , 2021, , .		0
46	Symmetric >67 Gbps OFDM-IMDD based WDM access network for mitigating Rayleigh backscattering interference noise. Optics Communications, 2020, 454, 124504.	2.1	4
47	Integration of FSO Traffic in Ring-Topology Bidirectional Fiber Access Network With Fault Protection. IEEE Communications Letters, 2020, 24, 589-592.	4.1	24
48	Single-mode erbium laser with CW tunability by exploiting saturable absorber and self-injected loop. Optics Communications, 2020, 459, 124968.	2.1	2
49	Fiber- and FSO-Protected Connections for Long-Reach TWDM Access Architecture With Fault Protection. IEEE Access, 2020, 8, 189982-189988.	4.2	14
50	Rayleigh Backscattering Noise Alleviation in Long-Reach Ring-Based WDM Access Communication. IEEE Access, 2020, 8, 105065-105070.	4.2	6
51	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.	2.5	8
52	Feedback-Injected Erbium Fiber Laser With Selectable Tunability and Constant Single-Longitudinal-Mode Characteristic. IEEE Access, 2020, 8, 187858-187863.	4.2	5
53	Free Space Optical Communication in Long-Reach Unidirectional Ring-Architecture Fiber Network. IEEE Access, 2020, 8, 159574-159580.	4.2	10
54	An Erbium Fiber Laser With Single-Frequency Oscillation and Wavelength-Upconverted Output. IEEE Photonics Journal, 2020, 12, 1-7.	2.0	6

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55	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.	2.0	10
56	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
57	26.228-Gbit/s RGBV Visible Light Communication (VLC) with 2-m Free Space Transmission. , 2020, , .		5
58	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
59	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.	4.2	12
60	A Single-Mode Erbium Fiber Laser With Flat Power Output and Wide Wavelength Tunability. IEEE Photonics Journal, 2020, 12, 1-5.	2.0	7
61	Micro-LED as a Promising Candidate for High-Speed Visible Light Communication. Applied Sciences (Switzerland), 2020, 10, 7384.	2.5	69
62	Demonstration of 1-Gbps real-time optical wireless communication by simple transmission scheme. Optical and Quantum Electronics, 2020, 52, 1.	3.3	4
63	Utilizing self-injection Rayleigh backscattering feedback for channel-selected erbium laser with single-longitudinal-mode output. Physica Scripta, 2020, 95, 075502.	2.5	3
64	Hybrid WDM FSO Fiber Access Network With Rayleigh Backscattering Noise Mitigation. IEEE Access, 2020, 8, 96449-96454.	4.2	22
65	VCSEL and LED Based Visible Light Communication System by Applying Decode-and-Forward Relay Transmission. Journal of Lightwave Technology, 2020, 38, 5728-5732.	4.6	8
66	Angle-of-Arrival (AOA) Visible Light Positioning (VLP) System Using Solar Cells With Third-Order Regression and Ridge Regression Algorithms. IEEE Photonics Journal, 2020, 12, 1-5.	2.0	43
67	2.333-Tbit/s bi-directional optical mobile networks using optical wireless communication (OWC). Optics Communications, 2020, 475, 126187.	2.1	7
68	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.	2.7	4
69	High-Bandwidth Green Semipolar (20â€“21) InGaN/GaN Micro Light-Emitting Diodes for Visible Light Communication. ACS Photonics, 2020, 7, 2228-2235.	6.6	99
70	Utilizing C-band erbium fiber and saturable absorber for broadband and continuous wavelength tunability laser with single-mode oscillation. Laser Physics, 2020, 30, 035102.	1.2	0
71	Using Linear Interpolation to Reduce the Training Samples for Regression Based Visible Light Positioning System. IEEE Photonics Journal, 2020, 12, 1-5.	2.0	19
72	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.	2.1	5

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73	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
74	Adaptive and secure VCSEL FSO based on simple dual-polarized architecture for short distance transmission. Physica Scripta, 2020, 95, 095505.	2.5	2
75	Optical Wireless Communications (OWC) - Technologies and Applications. , 2020, , .		10
76	CMOS camera based visible light communication (VLC) using grayscale value distribution and machine learning algorithm. Optics Express, 2020, 28, 2427.	3.4	22
77	Multi-Gbit/s phosphor-based white-light and blue-filter-free visible light communication and lighting system with practical transmission distance. Optics Express, 2020, 28, 7375.	3.4	17
78	Visible light positioning (VLP) system using low-cost organic photovoltaic cell (OPVC) for low illumination environments. Optics Express, 2020, 28, 26137.	3.4	8
79	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
80	Enabling Techniques for Optical Wireless Communication Systems. , 2020, , .		36
81	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
82	3-D Indoor Visible Light Positioning (VLP) System based on Linear Regression or Kernel Ridge Regression Algorithms. , 2020, , .		4
83	Using silicon photovoltaic cells and machine learning and neural network algorithms for visible-light positioning systems. Optical Engineering, 2020, 59, .	1.0	5
84	280 Gb/s Dual-Polarization Transmitter using Ge-on-Si EAMs for Short-Reach Interconnects. , 2020, , .		4
85	Passive 100W High Power Bias-Tee for Visible Light Communication Systems. , 2020, , .		1
86	Using Non-Hermitian Symmetry IFFT/FFT Size Efficient OFDM for Non-Orthogonal Multiple Access Visible Light Communication (NOMA VLC) Networks. , 2020, , .		0
87	Simple Erbium Fiber Laser Architecture for Stable Tunability and Single-Mode Oscillation. , 2020, , .		0
88	Utilizing Single Lightwave for Delivering Baseband/FSO/MMW Traffics Simultaneously in PON Architecture. IEEE Access, 2019, 7, 138927-138931.	4.2	32
89	Mode-Division-Multiplexing (MDM) of 9.4-Tbit/s OFDM Signals on Silicon-on-Insulator (SOI) Platform. IEEE Access, 2019, 7, 129104-129111.	4.2	12
90	62 nm CW wavelength-selectable erbium-doped fiber compound-ring laser with stable single-mode output. Physica Scripta, 2019, 94, 125801.	2.5	2

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91	Utilizing polarization-multiplexing for free space optical communication transmission with security operation. <i>Optical Fiber Technology</i> , 2019, 52, 101992.	2.7	12
92	Reliability of stable fiber Bragg grating sensor system for monitoring temperature and strain individually. <i>Measurement Science and Technology</i> , 2019, 30, 105108.	2.6	8
93	1.7 to 2.3 Gbps OOK LED VLC Transmission Based on 4 Å— 4 Color-Polarization-Multiplexing at Extremely Low Illumination. <i>IEEE Photonics Journal</i> , 2019, 11, 1-6.	2.0	18
94	A Selectable Single-Mode Erbium Laser With Power-Flattened Output Employing Dual-Sagnac-Ring. <i>IEEE Access</i> , 2019, 7, 92938-92942.	4.2	5
95	Single-mode erbium fiber dual-ring laser with 60-nm workable wavelength tunability. <i>Optics and Laser Technology</i> , 2019, 114, 16-19.	4.6	12
96	Ten-channel mode-division-multiplexed silicon photonic integrated circuit with sharp bends. <i>Frontiers of Information Technology and Electronic Engineering</i> , 2019, 20, 498-506.	2.6	10
97	Decoding CMOS Rolling-Shutter Pattern in Translational or Rotational Motions for VLC. <i>IEEE Photonics Journal</i> , 2019, 11, 1-5.	2.0	10
98	1250 Mbit/s OOK Wireless White-Light VLC Transmission Based on Phosphor Laser Diode. <i>IEEE Photonics Journal</i> , 2019, 11, 1-5.	2.0	27
99	A fiber Bragg grating based passive semicircular sensor architecture with fault monitoring. <i>Optical Fiber Technology</i> , 2019, 48, 258-262.	2.7	5
100	Integrated Silicon Photonics Remote Radio Frontend (RRF) for Single-Sideband (SSB) Millimeter-Wave Radio-Over-Fiber (ROF) Systems. <i>IEEE Photonics Journal</i> , 2019, 11, 1-8.	2.0	31
101	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
102	Uses of Silicon Microring Resonator and Saturable Absorber for Tunable Single-Mode Erbium Fiber Laser. , 2019, , .		0
103	Performances of M-ACO-OFDM, DCO-OFDM and M-GLIM OFDM in Visible Light Communication Systems. , 2019, , .		1
104	Survivable and Reliable WDM-PON System With Self-Protected Mechanism Against Fiber Fault. <i>IEEE Access</i> , 2019, 7, 165088-165092.	4.2	12
105	Implementing Deep Neural Network for Signal Transmission Distortion Mitigation of PAM-4 Generated by Silicon Mach-Zehnder Modulator. , 2019, , .		1
106	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
107	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
108	Visible light communication and positioning using positioning cells and machine learning algorithms. <i>Optics Express</i> , 2019, 27, 16377.	3.4	58

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109	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
110	Using logistic regression classification for mitigating high noise-ratio advisement light-panel in rolling-shutter based visible light communications. Optics Express, 2019, 27, 29924.	3.4	23
111	40-Gbit/s Visible Light Communication using Polarization- Multiplexed R/G/B Laser Diodes with 2-m Free-Space Transmission. , 2019, , .		18
112	Pre-Distortion Scheme to Enhance the Transmission Performance of Organic Photo-Detector (OPD) Based Visible Light Communication (VLC). IEEE Access, 2018, 6, 7625-7630.	4.2	12
113	Secure Mobile-Phone Based Visible Light Communications With Different Noise-Ratio Light-Panel. IEEE Photonics Journal, 2018, 10, 1-6.	2.0	27
114	Utilizing wheel-ring architecture for stable and selectable single-longitudinal-mode erbium fiber laser. Optics Communications, 2018, 410, 923-925.	2.1	3
115	2.6 Tbit/s On-Chip Optical Interconnect Supporting Mode-Division-Multiplexing and PAM-4 Signal. IEEE Photonics Technology Letters, 2018, 30, 1052-1055.	2.5	42
116	Bidirectional Visible Light Communication System Using a Single VCSEL With Predistortion to Enhance the Upstream Remodulation. IEEE Photonics Journal, 2018, 10, 1-7.	2.0	11
117	Erbium-doped fiber dual-ring laser with stable single-longitudinal-mode and 55-nm tuning range. Optics and Laser Technology, 2018, 106, 119-122.	4.6	15
118	Using adaptive equalization and polarization-multiplexing technology for gigabit-per-second phosphor-LED wireless visible light communication. Optics and Laser Technology, 2018, 104, 206-209.	4.6	18
119	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.	4.6	7
120	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
121	Based on Silicon-Micro-Ring-Resonator and Triple-Ring Cavity for Stable and Tunable Erbium Fiber Laser. , 2018, , .		4
122	Silicon-on-Insulator (SOI) based Polarization-Exchanger using Asymmetric Directional Coupler. , 2018, , .		1
123	Visible Light Communication Using Advertisement-Light-Board and Rolling-Shutter-Effect based CMOS Mobile-Phone Camera. , 2018, , .		1
124	Polarization-Multiplexed Rolling Shutter Demodulation in Mobile-Phone Based Visible Light Communication. , 2018, , .		0
125	100-m Long Distance RGB Visible Light Camera Communication. , 2018, , .		2
126	Compact and High-Speed Ge Franz-Keldysh I/Q Modulator Used with Kramers-Kronig Receiver. , 2018, , .		1

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127	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.	2.0	12
128	400ÅMbit/s OOK green-LED visible light communication with low illumination. Optical and Quantum Electronics, 2018, 50, 1.	3.3	11
129	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.	3.4	7
130	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
131	Performance analysis of free space optical communication traffic integrated with passive optical network. Electronics Letters, 2018, 54, 1228-1229.	1.0	19
132	Integrated germanium-on-silicon Franzâ€™Keldysh vector modulator used with a Kramersâ€™Kronig receiver. Optics Letters, 2018, 43, 4333.	3.3	15
133	Stabilized single-longitudinal-mode erbium fibre laser employing silicon-micro-ring resonator and saturable absorber. Laser Physics, 2018, 28, 075103.	1.2	4
134	Non-flickering 100 m RGB visible light communication transmission based on a CMOS image sensor. Optics Express, 2018, 26, 7079.	3.4	47
135	Using advertisement light-panel and CMOS image sensor with frequency-shift-keying for visible light communication. Optics Express, 2018, 26, 12530.	3.4	23
136	20231â€™â€™Gbit/s tricolor red/green/blue laser diode based bidirectional signal remodulation visible-light communication system. Photonics Research, 2018, 6, 422.	7.0	40
137	Switchable dual-wavelength single-longitudinal-mode erbium fiber laser utilizing a dual-ring scheme with a saturable absorber. Laser Physics, 2018, 28, 065104.	1.2	7
138	Silicon-Micro-Ring Resonator-Based Erbium Fiber Laser With Single-Longitudinal-Mode Oscillation. IEEE Photonics Journal, 2018, 10, 1-7.	2.0	13
139	192-Gbit/s PAM-4 Optical Interconnect using Mode-Division Multiplexing. , 2018, , .		1
140	Accurate Indoor Visible Light Positioning System utilizing Machine Learning Technique with Height Tolerance. , 2018, , .		30
141	512-Gbit/s PAM-4 Signals Direct-Detection using Silicon Photonics Receiver with Volterra Equalization. , 2018, , .		2
142	20 Gbit/s Tricolor R/G/B Laser Diode based Bi-directional Signal Remodulation Visible Light Communication System. , 2018, , .		3
143	In-fiber Long-Period Grating and Fiber Bragg Grating-Based Sensor for Simultaneously Monitoring Remote Temperature and Stress. Sensors and Materials, 2018, , 23.	0.5	4
144	Adaptive filtering for white-light LED visible light communication. Optical Engineering, 2017, 56, 016115.	1.0	12

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145	Performance enhancement technique of visible light communications using passive photovoltaic cell. Optics Communications, 2017, 392, 119-122.	2.1	9
146	Capacity and capability enhancements of FBG sensor system by utilizing intensity and WDM detection technique. Smart Materials and Structures, 2017, 26, 035026.	3.5	16
147	Use of proper cavity loss for a stable single-longitudinal-mode erbium fiber laser. Laser Physics, 2017, 27, 065109.	1.2	3
148	Mode-locking S-band erbium fiber laser by employing alcohol-based saturable-absorber. Optical and Quantum Electronics, 2017, 49, 1.	3.3	6
149	Smart architecture for stable multipoint fiber Bragg grating sensor system. Laser Physics, 2017, 27, 126201.	1.2	1
150	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
151	Wavelength-selectable and steady single-mode erbium-doped fiber multiple ring laser. Laser Physics, 2017, 27, 115104.	1.2	2
152	Stabilized and tunable single-longitudinal-mode erbium fiber laser employing ytterbium-doped fiber based interference filter. Optics and Laser Technology, 2017, 88, 180-183.	4.6	11
153	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.	1.5	3
154	Bi-directional Visible Light Communication Using a Single 682nm Visible Vertical-Cavity Surface-Emitting Laser (VCSEL) and Signal Remodulation. , 2017, , .		1
155	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
156	Stable Single-Longitudinal-Mode Erbium Fiber Ring Laser Utilizing Self-Injection and Saturable Absorber. IEEE Photonics Journal, 2017, 9, 1-6.	2.0	24
157	Scalable Ultra-Wideband Pulse Generation Based on Silicon Photonic Integrated Circuits. IEEE Photonics Technology Letters, 2017, 29, 1896-1899.	2.5	3
158	Efficient demodulation scheme for rolling-shutter-patterning of CMOS image sensor based visible light communications. Optics Express, 2017, 25, 24362.	3.4	54
159	Long distance non-line-of-sight (NLOS) visible light signal detection based on rolling-shutter-patterning of mobile-phone camera. Optics Express, 2017, 25, 10103.	3.4	43
160	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.	3.4	10
161	Stable and Tunable Single-Mode Erbium Fiber Laser by Utilizing Silicon-Based Micro Ring Resonator and Multi-Ring Scheme. , 2017, , .		1
162	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

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163	Transmission Performance Improvement of PAM-4 Signal Direct-Detected by Ge-Si Photodiode using Volterra Equalization. , 2017, , .		1
164	Mitigation of LED Nonlinearity Using Adaptive Equalization for Visible Light Communications. , 2017, , .		2
165	64-Gbit/s PAM-4 20-km Transmission Using Silicon Micro-ring Modulator for Optical Access Networks. , 2017, , .		9
166	Compact 84ÅGHz passive mode-locked fiber laser using dual-fiber coupled fused-quartz microresonator. Optical Engineering, 2017, 56, 1.	1.0	0
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