

# Changyuan Yu

## List of Publications by Year in descending order

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461  
papers

6,139  
citations

109321

35  
h-index

106344

65  
g-index

461  
all docs

461  
docs citations

461  
times ranked

4464  
citing authors

#	ARTICLE	IF	CITATIONS
1	Thin Piezoelectric Sheet Assisted PGC Demodulation of Fiber-Optic Integrated MZI and its Application in Under Mattress Vital Signs Monitoring. <i>IEEE Sensors Journal</i> , 2022, 22, 2151-2159.	4.7	11
2	Parallel Mini/Micro-LEDs Transmitter: Size-Dependent Effect and Gbps Multi-User Visible Light Communication. <i>Journal of Lightwave Technology</i> , 2022, 40, 2329-2340.	4.6	9
3	Large Dynamic and Precision Optical Vector Analysis Assisted by SBS Processing. <i>Journal of Lightwave Technology</i> , 2022, 40, 2435-2440.	4.6	0
4	Multi-Rate Nyquist-SCM for C-Band 100 Gbit/s Signal Over 50 km Dispersion-Uncompensated Link. <i>Journal of Lightwave Technology</i> , 2022, 40, 1930-1936.	4.6	8
5	Freestanding Fe <sub>3</sub> O <sub>4</sub> /Ti <sub>3</sub> C <sub>2</sub> T <sub>x</sub> MXene/polyurethane composite film with efficient electromagnetic shielding and ultra-stretchable performance. <i>Nanotechnology</i> , 2022, 33, 165603.	2.6	15
6	SNR enhancement for Brillouin distributed optical fiber sensors based on asynchronous control. <i>Optics Express</i> , 2022, 30, 4231.	3.4	7
7	Vital Signs Monitoring Based on Interferometric Fiber Optic Sensors. <i>Photonics</i> , 2022, 9, 50.	2.0	10
8	PCF based modal interferometer for lead ion detection. <i>Optics Express</i> , 2022, 30, 4895.	3.4	9
9	Optical performance monitoring using SOI-based spectral analysis. <i>Optics Express</i> , 2022, 30, 6397.	3.4	3
10	Dynamic Joint Frequency Offset and Phase Noise Tracking by Number-Theoretic Net-Based Gaussian Particle Filter in Coherent Optical Systems. <i>IEEE Communications Letters</i> , 2022, 26, 1388-1392.	4.1	6
11	High Fidelity MZI-BCG Sensor With Homodyne Demodulation for Unobtrusive HR and BP Monitoring. <i>IEEE Sensors Journal</i> , 2022, 22, 7798-7807.	4.7	6
12	Optical Fiber-Integrated Metasurfaces: An Emerging Platform for Multiple Optical Applications. <i>Nanomaterials</i> , 2022, 12, 793.	4.1	14
13	Dual-Wavelength Polarization-Dependent Bifocal Metalens for Achromatic Optical Imaging Based on Holographic Principle. <i>Sensors</i> , 2022, 22, 1889.	3.8	3
14	Few-Mode Fiber Characterization System Based on the Spatially and Spectrally Imaging Technique. <i>Sensors</i> , 2022, 22, 1809.	3.8	3
15	An Optical Fiber Sensor for Axial Strain, Curvature, and Temperature Measurement Based on Single-Core Six-Hole Optical Fiber. <i>Sensors</i> , 2022, 22, 1666.	3.8	7
16	Simultaneous measurement of axial strain and lateral stress based on cascaded interference structure. <i>Optics Express</i> , 2022, 30, 10942.	3.4	5
17	Deep learning-based ballistocardiography reconstruction algorithm on the optical fiber sensor. <i>Optics Express</i> , 2022, 30, 13121.	3.4	7
18	Optimization strategy of power control for C+L+S band transmission using a simulated annealing algorithm. <i>Optics Express</i> , 2022, 30, 664.	3.4	11

#	ARTICLE	IF	CITATIONS
19	Design, fabrication, and characterization of a low-index center and trench-assisted 7-ring-core 5-mode-group fiber for dense space-division multiplexing. <i>Optics Express</i> , 2022, 30, 650.	3.4	9
20	Optical Uplink, D2D and IoT Links Based on VCSEL Array: Analysis and Demonstration. <i>Journal of Lightwave Technology</i> , 2022, 40, 5083-5096.	4.6	3
21	Multigigabit Visible Light Communication Based on High-Bandwidth InGaN Quantum Dot Green Micro-LED. <i>ACS Photonics</i> , 2022, 9, 2354-2366.	6.6	13
22	Generalized Mutual Information Analysis for BICM-8QAM With Residual Phase Noise. <i>IEEE Communications Letters</i> , 2021, 25, 3819-3823.	4.1	3
23	Broadband Optoelectronic Frequency Response Measurement Utilizing Frequency Conversion. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2021, 70, 1-5.	4.7	7
24	Endless Single-Mode Photonics Crystal Fiber Metalens for Broadband and Efficient Focusing in Near-Infrared Range. <i>Micromachines</i> , 2021, 12, 219.	2.9	6
25	Towards Detecting Red Palm Weevil Using Machine Learning and Fiber Optic Distributed Acoustic Sensing. <i>Sensors</i> , 2021, 21, 1592.	3.8	25
26	Dual Demodulation of Temperature and Refractive Index Using Ring Core Fiber Based Mach-Zehnder Interferometer. <i>Micromachines</i> , 2021, 12, 258.	2.9	10
27	Cost-Effective Multi-Parameter Optical Performance Monitoring Using Multi-Task Deep Learning With Adaptive ADTP and AAH. <i>Journal of Lightwave Technology</i> , 2021, 39, 1733-1741.	4.6	16
28	Simultaneous measurement of temperature and curvature using ring-core fiber-based Mach-Zehnder interferometer. <i>Optics Express</i> , 2021, 29, 17915.	3.4	31
29	Non-Invasive Measurement of Vital Signs Based on Seven-Core Fiber Interferometer. <i>IEEE Sensors Journal</i> , 2021, 21, 10703-10710.	4.7	16
30	Transmission and Generation of Orbital ANGULAR Momentum Modes in Optical Fibers. <i>Photonics</i> , 2021, 8, 246.	2.0	8
31	Experimental investigation of 16.6 Gbps SDM-WDM visible light communication based on a neural network receiver and tricolor mini-LEDs. <i>Optics Letters</i> , 2021, 46, 2888.	3.3	15
32	Theoretical analysis of PAM-N and M-QAM BER computation with single-sideband signal. <i>Science China Information Sciences</i> , 2021, 64, 1.	4.3	4
33	Real-Time Multi-User Video Optical Wireless Transmission Based on a Parallel Micro-LEDs Bulb. <i>IEEE Photonics Journal</i> , 2021, 13, 1-11.	2.0	13
34	Burst-Error-Propagation Suppression for Decision-Feedback Equalizer in Field-Trial Submarine Fiber-Optic Communications. <i>Journal of Lightwave Technology</i> , 2021, 39, 4601-4606.	4.6	21
35	Vertical measurable displacement approach for altitude accuracy improvement in 3D visible light positioning. <i>Optics Communications</i> , 2021, 490, 126914.	2.1	4
36	Unobtrusive vital signs and activity monitoring based on dual mode fiber. <i>Optical Fiber Technology</i> , 2021, 64, 102530.	2.7	8

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37	Temperature and curvature insensitive all-fiber sensor used for human breath monitoring. Optics Express, 2021, 29, 26375.	3.4	14
38	Automated training dataset collection system design for machine learning application in optical networks: an example of quality of transmission estimation. Journal of Optical Communications and Networking, 2021, 13, 289.	4.8	12
39	8.75â€‰Gb/s visible light communication link using an artificial neural network equalizer and a single-pixel blue micro-LED. Optics Letters, 2021, 46, 4670.	3.3	11
40	Non-Invasive Measurement for Cardiac Variations Using a Fiber Optic Sensor. IEEE Photonics Technology Letters, 2021, 33, 990-993.	2.5	18
41	Development and characterization of a disposable submillimeter fiber optic Raman needle probe for enhancing real-time in vivo deep tissue and biofluids Raman measurements. Optics Letters, 2021, 46, 5197.	3.3	8
42	Mode analysis of orbital angular momentum modes carrying multi-mode ring-core fibers. Optics Communications, 2021, 499, 127314.	2.1	3
43	Processing for dispersive intensity-modulation and direct-detection fiber-optic communications. Optics Letters, 2021, 46, 138.	3.3	16
44	Ballistocardiography reconstruction based on optical fiber sensor using deep learning algorithm. , 2021, , .		0
45	Beat-to-Beat Heart Rate Estimation from MZI-BCG Signal Based on Hierarchical Clustering. , 2021, , .		1
46	Performance Analysis of Matched Filter-based Carrier Frequency Offset Estimation Methods for CO-OFDM. , 2021, , .		0
47	Single-Mode Fiber Metalenses based on Dielectric Nanopillars. , 2021, , .		1
48	Design and spectral reconstruction assisted by intelligent algorithms for high-resolution Fourier transform spectrometer. , 2021, , .		1
49	Hollow Core Bragg Fiber-Based Sensor for Simultaneous Measurement of Curvature and Temperature. Sensors, 2021, 21, 7956.	3.8	18
50	Fiber optic lead ion (Pb <sup>2+</sup> ) sensor using chitosan diaphragm based Fabry-Pérot interferometer. , 2021, , .		0
51	Ultra-Stable and Real-Time Demultiplexing System of Strong Fiber Bragg Grating Sensors Based on Low-Frequency Optoelectronic Oscillator. Journal of Lightwave Technology, 2020, 38, 981-988.	4.6	9
52	Mobile channel estimation based on decision feedback in vehicle-to-infrastructure visible light communication systems. Optics Communications, 2020, 462, 125261.	2.1	9
53	A Single Noninterleaved Metasurface for High-Capacity and Flexible Mode Multiplexing of Higher-Order Poincaré Sphere Beams. Advanced Materials, 2020, 32, e1903983.	21.0	67
54	Robust and Fast Temperature Extraction for Brillouin Optical Time-Domain Analyzer by Using Denoising Autoencoder-Based Deep Neural Networks. IEEE Sensors Journal, 2020, 20, 3614-3620.	4.7	19

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55	Conceptual Design for Indoor Visible Light Communication and Positioning Cooperative Systems. , 2020, , .		3
56	Theoretical and numerical analyses for PDM-IM signals using Stokes vector receivers. Science China Information Sciences, 2020, 63, 1.	4.3	4
57	Bend-Insensitive Grapefruit-Type Holey Ring-Core Fiber for Weakly-Coupled OAM Mode Division Multiplexing Transmission. Journal of Lightwave Technology, 2020, 38, 4497-4503.	4.6	18
58	Long modal interference in multimode fiber and its application in vital signs monitoring. Optics Communications, 2020, 474, 126100.	2.1	13
59	Adaptive Channel-Matched Detection for C-Band 64-Gbit/s Optical OOK System Over 100-km Dispersion-Uncompensated Link. Journal of Lightwave Technology, 2020, 38, 5048-5055.	4.6	42
60	Ultrahigh-Resolution Optoelectronic Vector Analysis Utilizing Photonics-Based Frequency Up- and Down-Conversions. Journal of Lightwave Technology, 2020, , 1-1.	4.6	7
61	Enhancing SNR by Anisotropic Diffusion for Brillouin Distributed Optical Fiber Sensors. Journal of Lightwave Technology, 2020, 38, 5844-5852.	4.6	10
62	Modulation format and baud-rate identification using asynchronous single channel sampling based on CNN. Optics Communications, 2020, 463, 125363.	2.1	3
63	Design of Weakly Coupled Two-Mode Hollow-Core Antiresonant Fiber With Low Loss. Journal of Lightwave Technology, 2020, 38, 864-874.	4.6	13
64	Ballistocardiography monitoring system based on optical fiber interferometer aided with heartbeat segmentation algorithm. Biomedical Optics Express, 2020, 11, 5458.	2.9	27
65	Hydrogel based Fabry-Pérot cavity for a pH sensor. Optics Express, 2020, 28, 39640.	3.4	22
66	C-band 56 Gbit/s on/off keying system over a 100 km dispersion-uncompensated link using only receiver-side digital signal processing. Optics Letters, 2020, 45, 758.	3.3	15
67	Photo-induced bleaching and thermally stimulated recovery of BAC-P in Bi-doped phosphosilicate fibers. Optics Letters, 2020, 45, 5389.	3.3	8
68	BGD-based Adam algorithm for time-domain equalizer in PAM-based optical interconnects. Optics Letters, 2020, 45, 141.	3.3	9
69	Contactless vital signs monitoring based on few-mode and multi-core fibers. Opto-Electronic Advances, 2020, 3, 190034-190034.	13.3	16
70	A Novel Demodulation Method of Fiber Bragg Grating Sensor Array Based on Wavelength-to-time Mapping and Multiloop Optoelectronic Oscillator. , 2020, , .		0
71	Optimization of 2D-BM3D Denoising for Long-range Brillouin Optical Time Domain Analysis. , 2020, , .		3
72	Location-Aware Time Domain Hybrid Modulation for Mobile Visible Light Communication. , 2020, , .		1

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73	Contactless vital signs monitoring based on optical fiber Mach-Zehnder interferometer aided with passive homodyne demodulation methods. , 2020, , .		5
74	A Simplified Blind Carrier Frequency Offset Estimation Algorithm Based on the Power of Zero-Subcarriers for CO-OFDM Systems. , 2020, , .		2
75	IJK complex detection within BCG signal based on multi-core fiber sensors. , 2020, , .		0
76	Indoor Three-Dimensional Optical Wireless Positioning and Orienteering Using Steerable Line Lasers. , 2020, , .		0
77	A Low-cost OSNR Monitoring Method Using Frequency Spectra of Low-speed Sampling Signals. , 2020, , .		0
78	C-band 56â€‰Gbit/s on/off keying system over a 100â€‰km dispersion-uncompensated link using only receiver-side digital signal processing: publisherâ€™s note. Optics Letters, 2020, 45, 947.	3.3	0
79	Highly sensitive smart cushion embedded with SMS structure for contactless vital signs and activity monitoring. , 2020, , .		0
80	Effect of bandwidth of direct detection receiver on multiparameter optical performance monitoring. , 2020, , .		1
81	A ballistocardiography monitor based on optical fiber interferometer. , 2020, , .		1
82	A simplified matched filter-based approach for carrier frequency offset estimation in CO-OFDM. , 2020, , .		0
83	BCG signal processing based on advanced LMS filter for optical fiber monitor. , 2020, , .		1
84	Influence of liquid nitrogen cooling on the spectral performance of BAC-P in bismuth-doped phosphosilicate fibers under liquid nitrogen temperature. Optical Materials Express, 2020, 10, 3235.	3.0	2
85	Investigation on Smart Cushion Based on SFS Structure and its Application in Physiological and Activity Monitoring. , 2020, , .		2
86	Digital Signal Processing for Faster-than-Nyquist Non-Orthogonal Systems: An Overview. , 2019, , .		1
87	Joint baud-rate and modulation format identification based on asynchronous delay-tap plots analyzer by using convolutional neural network. Optics Communications, 2019, 450, 97-102.	2.1	8
88	Hartley-Domain DD-FTN Algorithm for ACO-SCFDM in Optical-Wireless Communications. IEEE Photonics Journal, 2019, 11, 1-9.	2.0	1
89	Gas Pressure Sensor Based on BDK-Doped Polymer Optical Fiber. Micromachines, 2019, 10, 717.	2.9	15
90	Dielectric multi-momentum meta-transformer in the visible. Nature Communications, 2019, 10, 4789.	12.8	82

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91	Optimization Algorithms of Neural Networks for Traditional Time-Domain Equalizer in Optical Communications. Applied Sciences (Switzerland), 2019, 9, 3907.	2.5	10
92	Performance of Location-Based Equalization for OFDM Indoor Visible Light Communications. IEEE Transactions on Cognitive Communications and Networking, 2019, 5, 1229-1243.	7.9	12
93	Optical Vector Analysis With Improved Accuracy and Enhanced Dynamic Range. IEEE Photonics Technology Letters, 2019, 31, 1565-1568.	2.5	3
94	Efficient Dimming Control with Time Domain Hybrid Modulation in Indoor Hybrid Visible Light/Infrared Communication Systems. , 2019, , .		5
95	High sensitivity curvature sensor based on seven core fiber. , 2019, , .		0
96	Application of Seven Core Fiber-Based Sensor on Torsion Angle Measurement and Vital Signs Monitoring. , 2019, , .		1
97	Highly Sensitive Temperature and Humidity Sensor Based on Carbon Nanotube-Assisted Mismatched Single-Mode Fiber Structure. Micromachines, 2019, 10, 521.	2.9	10
98	Cold-start of coherent optical receivers with decision-aided maximum likelihood phase estimation scheme. Optics Communications, 2019, 435, 41-45.	2.1	2
99	Joint FDE and MLSD Algorithm for 56-Gbit/s Optical FTN-PAM4 System Using 10G-Class Optics. Journal of Lightwave Technology, 2019, 37, 3343-3350.	4.6	22
100	Joint timing and frequency synchronization in coherent optical OFDM systems. Frontiers of Optoelectronics, 2019, 12, 4-14.	3.7	5
101	Non-invasive Vital Signs Monitoring Based on Polarization Maintaining Fiber and Sagnac Interferometer. , 2019, , .		4
102	Strong fiber Bragg grating sensor based on optoelectrical oscillation for ultra-fast and ultra-stable position-finding and measurement. , 2019, , .		0
103	Theoretical CSPR Analysis and Performance Comparison for Four Single-Sideband Modulation Schemes With Kramers-Kronig Receiver. IEEE Access, 2019, 7, 166257-166267.	4.2	9
104	Fiber-optic MZI activity monitoring based on RLS algorithm. , 2019, , .		1
105	Study of NLOS effect on Indoor Visible Light Positioning in Different Room Sizes. , 2019, , .		4
106	Vital signs monitoring using twin core fiber-based sensor. , 2019, , .		1
107	Complex Inverse Design of Meta-optics by Segmented Hierarchical Evolutionary Algorithm. ACS Nano, 2019, 13, 821-829.	14.6	40
108	Cascaded Fiber Up-Taper Modal Interferometer and Its Application as Fiber Sensor. Journal of Lightwave Technology, 2019, 37, 2675-2680.	4.6	2

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109	Differential Fresnel-reflection-based fiber biochemical sensor with temperature self-compensation for high-resolution measurement of Cd <sup>2+</sup> concentration in solution. <i>Sensors and Actuators B: Chemical</i> , 2019, 282, 644-649.	7.8	14
110	Non-invasive human vital signs monitoring based on twin-core optical fiber sensors. <i>Biomedical Optics Express</i> , 2019, 10, 5940.	2.9	40
111	Deep neural networks assisted BOTDA for simultaneous temperature and strain measurement with enhanced accuracy. <i>Optics Express</i> , 2019, 27, 2530.	3.4	50
112	Ring-core fiber with negative curvature structure supporting orbital angular momentum modes. <i>Optics Express</i> , 2019, 27, 20358.	3.4	21
113	Adaptive moment estimation for polynomial nonlinear equalizer in PAM8-based optical interconnects. <i>Optics Express</i> , 2019, 27, 32210.	3.4	32
114	Long-distance BOTDA sensing systems using video-BM3D denoising for both static and slowly varying environment. <i>Optics Express</i> , 2019, 27, 36100.	3.4	15
115	Ultrafast and ultrahigh-resolution optical vector analysis using linearly frequency-modulated waveform and dechirp processing. <i>Optics Letters</i> , 2019, 44, 3322.	3.3	18
116	Variable-step DD-FTN algorithm for PAM8-based short-reach optical interconnects. , 2019, , .		0
117	Investigation on fiber optic curvature sensor based on SMF-FMF-SMF structure with up-taper fusion. , 2019, , .		1
118	A Novel in-Band OSNR Measurement Method Based on Normalized Autocorrelation Function. <i>IEEE Photonics Journal</i> , 2018, 10, 1-8.	2.0	9
119	High Sensitivity Optical Fiber Curvature Sensor Based on Cascaded Fiber Interferometer. <i>Journal of Lightwave Technology</i> , 2018, 36, 1125-1130.	4.6	69
120	Digital Signal Processing for Short-Reach Optical Communications: A Review of Current Technologies and Future Trends. <i>Journal of Lightwave Technology</i> , 2018, 36, 377-400.	4.6	353
121	Nonlinear phase noise tolerance for coherent optical systems using soft-decision-aided ML carrier phase estimation enhanced with constellation partitioning. <i>Optics Communications</i> , 2018, 409, 45-51.	2.1	0
122	Simultaneous measurement of refractive index, strain and temperature using a tapered structure based on SMF. <i>Optics Communications</i> , 2018, 410, 70-74.	2.1	75
123	Independent component analysis based digital signal processing in coherent optical fiber communication systems. <i>Optics Communications</i> , 2018, 409, 13-22.	2.1	12
124	Performance Improvement of M-QAM OFDM-NOMA Visible Light Communication Systems. , 2018, , .		7
125	Broadband 1 Å– 3 Couplers With Variable Splitting Ratio Using Cascaded Step-Size MMI. <i>IEEE Photonics Journal</i> , 2018, 10, 1-8.	2.0	14
126	Non-invasive smart monitoring system based on multi-core fiber optic interferometers. , 2018, , .		3

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127	Cold-Start of Decision-Aided Maximum Likelihood in Coherent Optical Receivers. , 2018, , .		0
128	A Dynamic Cryptography Door Lock System Based on Visible Light Communication. , 2018, , .		3
129	Advanced signal processing techniques for direct detected short reach systems. , 2018, , .		1
130	Denoising and Robust Temperature Extraction for BOTDA Systems based on Denoising Autoencoder and DNN. , 2018, , .		5
131	Efficient Indoor Data Transmission With Full Dimming Control in Hybrid Visible Light/Infrared Communication Systems. IEEE Access, 2018, 6, 77675-77684.	4.2	8
132	Chalcogenide-Glass Nested Anti-Resonant Nodeless Fibers in Mid-Infrared Region. Journal of Lightwave Technology, 2018, 36, 5244-5253.	4.6	15
133	Stable Torsion Sensor with Tunable Sensitivity and Rotation Direction Discrimination Based on a tapered Trench-Assisted Multi Core Fiber. , 2018, , .		2
134	Experimental study of single channel 100â€Gbit/s PAM4 transmission over 40â€km using 17â€GHz EML and APD at O band. Optical Fiber Technology, 2018, 45, 411-414.	2.7	2
135	Variable optical attenuator and modulator based on a graphene plasmonic gap waveguide. Optics Communications, 2018, 426, 251-256.	2.1	7
136	Non-invasive vital signs monitoring system based on smart sensor mat embedded with optical fiber interferometer. , 2018, , .		4
137	Enhanced adaptive DA-ML carrier phase estimator and its application to accurate laser linewidth and SNR estimation. Optics Express, 2018, 26, 14817.	3.4	2
138	A Novel High-Performance OSNR Measurement Technique Based on the Polynomial Fitting Function of Signals. Journal of Lightwave Technology, 2018, 36, 3018-3022.	4.6	7
139	Transmitter and receiver DSP for 112 Gbit/s PAM-4 amplifier-less transmissions using 25G-class EML and APD. Optics Express, 2018, 26, 22673.	3.4	27
140	Torsion sensor based on inter-core mode coupling in seven-core fiber. Optics Express, 2018, 26, 19835.	3.4	32
141	Performance improvement of NOMA visible light communication system by adjusting superposition constellation: a convex optimization approach. Optics Express, 2018, 26, 29796.	3.4	17
142	Joint Hartley-domain and time-domain equalizer for a 200-G (4Å–56-Gbit/s) optical PAM-4 system using 10G-class optics. Optics Express, 2018, 26, 34451.	3.4	4
143	Simultaneous Temperature and Strain Measurement Using Deep Neural Networks for BOTDA Sensing System. , 2018, , .		1
144	Broadband achromatic aplanatic flat doublet in mid-infrared. , 2018, , .		0

#	ARTICLE	IF	CITATIONS
145	Comparison for 100 Gb/s PDM-DD Short Reach Optical Communication System Transmission Performance with PAM4, CAP16 and DMT. , 2018, , .		0
146	Performance comparison among three different Stokes vector direct-detection receivers. Chinese Optics Letters, 2018, 16, 100605.	2.9	0
147	Fiber-optic Activity Monitoring with Machine Learning. , 2018, , .		2
148	OSNR Monitoring and Modulation Format Recognition Based on Neural Networks and Normalized Autocorrelation Function. , 2018, , .		0
149	Maximum-Likelihood Mth Power Carrier Phase Estimation for Coherent Optical Communication. , 2018, , .		0
150	Fiber optic non-wearable respiratory monitoring based on in-line modal interferometer. , 2018, , .		1
151	High sensitivity curvature sensor with a dual core photonic crystal fiber interferometer. , 2018, , .		2
152	Improvement of positioning accuracy in visible light positioning system using orthogonal frequency division multiple access. , 2018, , .		0
153	Vital signs monitoring using few-mode fiber-based sensors. , 2018, , .		1
154	High sensitivity curvature sensor with a cascaded fiber interferometer. Proceedings of SPIE, 2017, , .	0.8	1
155	Coherent BOTDA Using Phase- and Polarization-Diversity Heterodyne Detection and Embedded Digital Signal Processing. IEEE Sensors Journal, 2017, 17, 3728-3734.	4.7	7
156	Coherent-detection-assisted BOTDA system without averaging using single-sideband modulated local oscillator signal. , 2017, , .		0
157	A 3-D high accuracy positioning system based on visible light communication with novel positioning algorithm. Optics Communications, 2017, 396, 160-168.	2.1	36
158	Three-dimensional supercritical resolved light-induced magnetic holography. Science Advances, 2017, 3, e1701398.	10.3	46
159	Inverse design of LED arrangement for visible light communication systems. Optics Communications, 2017, 382, 615-623.	2.1	15
160	Characteristics of an ideal location-based zero-forcing equalizer in indoor visible light communication systems. , 2017, , .		0
161	Amplifier-Less Transmission of Single Channel 112Gbit/s PAM4 Signal Over 40km Using 25G EML and APD at O band. , 2017, , .		10
162	Modulation format recognition in visible light communications based on higher order statistics. , 2017, , .		0

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163	Extraction of temperature distribution using deep neural networks for BOTDA sensing system. , 2017, , .		5
164	BOTDA sensor utilizing digital optical frequency comb based phase spectrum measurement. , 2017, , .		1
165	Modulation format recognition in visible light communications based on higher order statistics. , 2017, , .		1
166	PDM-SSB-OFDM transmission over 80km SSMF based on a single photodetector at C-band. , 2017, , .		1
167	Chromatic dispersion monitoring by extended Kalman filter for coherent optical OFDM systems. , 2017, , .		2
168	Non-wearable respiration monitoring based on Mach-Zehnder interferometer. , 2017, , .		7
169	Fiber-optic in-line Mach-Zehnder modal interferometer for breathing monitoring application. , 2017, , .		4
170	Non-invasive smart health monitoring system based on optical fiber interferometers. , 2017, , .		17
171	Accurate measurement of total mode coupling in few mode fibers (FMFs) based on a modified spatial and spectral resolved ( $S^{2}$ ) imaging system. , 2017, , .		0
172	Performance of two-dimensional ML detector with laser phase noise and frequency offset. , 2017, , .		0
173	The concept of location-based equalization for indoor visible light communications. , 2017, , .		3
174	Single Channel 50 Gbit/s Transmission Over 40 km SSMF Without Optical Amplification and In-Line Dispersion Compensation Using a Single-End PD-Based PDM-SSB-DMT System. IEEE Photonics Journal, 2017, 9, 1-11.	2.0	4
175	Asynchronous visible light positioning system using FDMA and ID techniques. , 2017, , .		2
176	BOTDA system using artificial neural network. , 2017, , .		2
177	Experimental realization of an O-band compact polarization splitter and rotator. Optics Express, 2017, 25, 3234.	3.4	27
178	Time domain reshuffling for OFDM based indoor visible light communication systems. Optics Express, 2017, 25, 11606.	3.4	4
179	Joint OSNR monitoring and modulation format identification in digital coherent receivers using deep neural networks. Optics Express, 2017, 25, 17767.	3.4	181
180	Accuracy analysis and improvement of visible light positioning based on VLC system using orthogonal frequency division multiple access. Optics Express, 2017, 25, 32618.	3.4	34

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181	Brillouin optical time domain analyzer enhanced by artificial/deep neural networks. , 2017, , .		3
182	Block decision-aided laser phase noise estimation for coherent optical OFDM systems. , 2017, , .		0
183	Single measurement Brillouin optical time domain analyzer based on digital optical frequency comb. , 2017, , .		0
184	Accurate laser linewidth estimation for coherent optical systems using DA-ML carrier phase estimator. , 2017, , .		0
185	Incorporate Visible Light Communication into Visible Light Positioning Using Orthogonal Frequency Division Multiple Access. , 2017, , .		1
186	An Efficient Hybrid Equalizer for 50 Gb/s PAM-4 Signal Transmission Over 50 km SSMF in a 10-GHz DML-Based IM/DD system. , 2017, , .		10
187	Ultra-broadband fabrication-tolerant polarization splitter and rotator. , 2017, , .		12
188	Amplifier-Less Transmission of 56Gbit/s PAM4 over 60km Using 25Gbps EML and APD. , 2017, , .		7
189	Recent Advances in Short Reach Systems. , 2017, , .		16
190	50-Gb/s PDM-DMT-SSB Transmission over 40km SSMF using a Single Photodetector in C-band. , 2017, , .		2
191	Efficient Blind Carrier Frequency Offset Estimation for Coherent Optical OFDM Systems. , 2017, , .		1
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