Changyuan Yu

List of Publications by Year
in descending order

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	Massive individual orbital angular momentum channels for multiplexing enabled by Dammann gratings. Light: Science and Applications, 2015, 4, e257-e257.	16.6	426
2	Digital Signal Processing for Short-Reach Optical Communications: A Review of Current Technologies and Future Trends. Journal of Lightwave Technology, 2018, 36, 377-400.	4.6	353
3	Performance of a novel LED lamp arrangement to reduce SNR fluctuation for multi-user visible light communication systems. Optics Express, 2012, 20, 4564.	3.4	254
4	Joint OSNR monitoring and modulation format identification in digital coherent receivers using deep neural networks. Optics Express, 2017, 25, 17767.	3.4	181
5	Optical performance monitoring for the next generation optical communication networks. Optical Fiber Technology, 2010, 16, 20-45.	2.7	161
6	A broadband, quasi-continuous, mid-infrared supercontinuum generated in a chalcogenide glass waveguide. Laser and Photonics Reviews, 2014, 8, 792-798.	8.7	141
7	Modulation Format Identification in Coherent Receivers Using Deep Machine Learning. IEEE Photonics Technology Letters, 2016, 28, 1886-1889.	2.5	134
8	Performance of dimming control scheme in visible light communication system. Optics Express, 2012, 20, 18861.	3.4	111
9	Performance of a Precoding MIMO System for Decentralized Multiuser Indoor Visible Light Communications. IEEE Photonics Journal, 2013, 5, 7800211-7800211.	2.0	109
10	Decision-Aided Carrier Phase Estimation for Coherent Optical Communications. Journal of Lightwave Technology, 2010, 28, 1597-1607.	4.6	103
11	High Brightness 2.2â€"12 Î¼m Midâ€Infrared Supercontinuum Generation in a Nontoxic Chalcogenide Stepâ€Index Fiber. Journal of the American Ceramic Society, 2016, 99, 2565-2568.	3.8	87
12	Dielectric multi-momentum meta-transformer in the visible. Nature Communications, 2019, 10, 4789.	12.8	82
13	Nonlinear absorption and refraction in crystalline silicon in the midâ€infrared. Laser and Photonics Reviews, 2013, 7, 1054-1064.	8.7	77
14	Low Loss, High <scp>NA</scp> Chalcogenide Glass Fibers for Broadband Midâ€Infrared Supercontinuum Generation. Journal of the American Ceramic Society, 2015, 98, 1389-1392.	3.8	75
15	Simultaneous measurement of refractive index, strain and temperature using a tapered structure based on SMF. Optics Communications, 2018, 410, 70-74.	2.1	75
16	High Sensitivity Optical Fiber Curvature Sensor Based on Cascaded Fiber Interferometer. Journal of Lightwave Technology, 2018, 36, 1125-1130.	4.6	69
17	A Single Noninterleaved Metasurface for Highâ€Capacity and Flexible Mode Multiplexing of Higherâ€Order PoincarÃ© Sphere Beams. Advanced Materials, 2020, 32, e1903983.	21.0	67
18	Tunable all-optical wavelength conversion and wavelength multicasting using orthogonally polarized fiber FWM. Journal of Lightwave Technology, 2005, 23, 3331-3338.	4.6	64

#	ARTICLE	IF	CITATIONS
19	Tunable chromatic dispersion compensation in 40-Gb/s systems using nonlinearly chirped fiber Bragg gratings. Journal of Lightwave Technology, 2002, 20, 2239-2246.	4.6	59
20	A simple fiber-optic humidity sensor based on extrinsic Fabry–Perot cavity constructed by cellulose acetate butyrate film. Optical Fiber Technology, 2013, 19, 583-586.	2.7	59
21	Laser Linewidth Tolerance of Decision-Aided Maximum Likelihood Phase Estimation in Coherent Optical M-ary PSK and QAM Systems. IEEE Photonics Technology Letters, 2009, 21, 1075-1077.	2.5	58
22	All-optical XOR gate using polarization rotation in single highly nonlinear fiber. IEEE Photonics Technology Letters, 2005, 17, 1232-1234.	2.5	52
23	44-ns Continuously Tunable Dispersionless Optical Delay Element Using a PPLN Waveguide With Two-Pump Configuration, DCF, and a Dispersion Compensator. IEEE Photonics Technology Letters, 2007, 19, 861-863.	2.5	51
24	Scanning-free BOTDA based on ultra-fine digital optical frequency comb. Optics Express, 2015, 23, 5277.	3.4	50
25	Deep neural networks assisted BOTDA for simultaneous temperature and strain measurement with enhanced accuracy. Optics Express, 2019, 27, 2530.	3.4	50
26	Decision-aided maximum likelihood detection in coherent optical phase-shift-keying system. Optics Express, 2009, 17, 703.	3.4	49
27	Bit-Error Rate Performance of Coherent Optical M-ary PSK/QAM using Decision-Aided Maximum Likelihood Phase Estimation. Optics Express, 2010, 18, 12088.	3.4	49
28	Three-dimensional supercritical resolved light-induced magnetic holography. Science Advances, 2017, 3, e1701398.	10.3	46
29	Performance improvement by tilting receiver plane in M-QAM OFDM visible light communications. Optics Express, 2011, 19, 13418.	3.4	44
30	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
31	Complex Inverse Design of Meta-optics by Segmented Hierarchical Evolutionary Algorithm. ACS Nano, 2019, 13, 821-829.	14.6	40
32	Non-invasive human vital signs monitoring based on twin-core optical fiber sensors. Biomedical Optics Express, 2019, 10, 5940.	2.9	40
33	Wideband-tunable nanotube Q-switched low threshold erbium doped fiber laser. Applied Optics, 2011, 50, 1442.	2.1	39
34	Experimental demonstration of joint OSNR monitoring and modulation format identification using asynchronous single channel sampling. Optics Express, 2015, 23, 30337.	3.4	38
35	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
36	Width-tunable optical RZ pulse train generation based on four-wave mixing in highly nonlinear fiber. IEEE Photonics Technology Letters, 2005, 17, 636-638.	2.5	35

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37	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
38	All-optical chromatic dispersion monitoring of a 40-Gb/s RZ signal by measuring the XPM-generated optical tone power in a highly nonlinear fiber. IEEE Photonics Technology Letters, 2006, 18, 430-432.	2.5	33
39	Linear photonic radio frequency phase shifter using a differential-group-delay element and an optical phase modulator. Optics Letters, 2010, 35, 1881.	3.3	32
40	Torsion sensor based on inter-core mode coupling in seven-core fiber. Optics Express, 2018, 26, 19835.	3.4	32
41	Adaptive moment estimation for polynomial nonlinear equalizer in PAM8-based optical interconnects. Optics Express, 2019, 27, 32210.	3.4	32
42	Compact highly-efficient polarization splitter and rotator based on 90° bends. Optics Express, 2016, 24, 14506.	3.4	31
43	Simultaneous measurement of temperature and curvature using ring-core fiber-based Mach-Zehnder interferometer. Optics Express, 2021, 29, 17915.	3.4	31
44	Data pulse distortion induced by a slow-light tunable delay line in optical fiber. Optics Letters, 2007, 32, 20.	3.3	30
45	Pilot-Assisted Decision-Aided Maximum-Likelihood Phase Estimation in Coherent Optical Phase-Modulated Systems With Nonlinear Phase Noise. IEEE Photonics Technology Letters, 2010, 22, 380-382.	2.5	30
46	High-density non-diffracting beam array for optical interconnection. Optics Communications, 2000, 177, 369-376.	2.1	29
47	An All-Optical Modulation Format Conversion for 8QAM Based on FWM in HNLF. IEEE Photonics Technology Letters, 2013, 25, 327-330.	2.5	29
48	Ultraflat Widely Tuned Single Bandpass Filter Based on Stimulated Brillouin Scattering. IEEE Photonics Technology Letters, 2014, 26, 1466-1469.	2.5	29
49	Transmission Performance of OOK and 4-PAM Signals Using Directly Modulated 1.5-μm VCSEL for Optical Access Network. Journal of Lightwave Technology, 2015, 33, 3243-3249.	4.6	29
50	Accurate Two-Stage Frequency Offset Estimation for Coherent Optical Systems. IEEE Photonics Technology Letters, 2013, 25, 179-182.	2.5	28
51	Optical signal to noise ratio monitoring using single channel sampling technique. Optics Express, 2014, 22, 6874.	3.4	28
52	First-Order PMD Monitoring for NRZ Data Using RF Clock Regeneration Techniques. Journal of Lightwave Technology, 2004, 22, 1086-1093.	4.6	27
53	Efficient joint timing and frequency synchronization algorithm for coherent optical OFDM systems. Optics Express, 2016, 24, 19969.	3.4	27
54	Experimental realization of an O-band compact polarization splitter and rotator. Optics Express, 2017, 25, 3234.	3.4	27

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55	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
56	Ballistocardiography monitoring system based on optical fiber interferometer aided with heartbeat segmentation algorithm. Biomedical Optics Express, 2020, 11, 5458.	2.9	27
57	Efficient Data Transmission Using MPPM Dimming Control in Indoor Visible Light Communication. IEEE Photonics Journal, 2015, 7, 1-12.	2.0	26
58	Reach extension in 10-Gb/s directly modulated transmission systems using asymmetric and narrowband optical filtering. Optics Express, 2005, 13, 5106.	3.4	25
59	Towards Detecting Red Palm Weevil Using Machine Learning and Fiber Optic Distributed Acoustic Sensing. Sensors, 2021, 21, 1592.	3.8	25
60	Pattern Dependence of Data Distortion in Slow-Light Elements. Journal of Lightwave Technology, 2007, 25, 1754-1760.	4.6	24
61	100-km Long Distance Fiber Bragg Grating Sensor System Based on Erbium-Doped Fiber and Raman Amplification. IEEE Photonics Technology Letters, 2010, 22, 1422-1424.	2.5	24
62	Decision-Aided, Pilot-Aided, Decision-Feedback Phase Estimation for Coherent Optical OFDM Systems. IEEE Photonics Technology Letters, 2012, 24, 2067-2069.	2.5	24
63	Signed chromatic dispersion monitoring of 100Gbit/s CS-RZ DQPSK signal by evaluating the asymmetry ratio of delay tap sampling. Optics Express, 2010, 18, 3149.	3.4	22
64	Experimental demonstration of an indoor visible light communication positioning system using dual-tone multi-frequency technique. , 2014, , .		22
65	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
66	Hydrogel based Fabry-PÃ©rot cavity for a pH sensor. Optics Express, 2020, 28, 39640.	3.4	22
67	High-efficiency flat-top beam shaper fabricated by a nonlithographic technique. Optical Engineering, 1999, 38, 208.	1.0	21
68	PCF-based polarization splitters with simplified structures. Journal of Lightwave Technology, 2005, 23, 3558-3565.	4.6	21
69	Wavelength-Shift-Free 3R Regenerator for 40-Gb/s RZ System by Optical Parametric Amplification in Fiber. IEEE Photonics Technology Letters, 2006, 18, 2569-2571.	2.5	21
70	Performance Improvement of OOK Free-Space Optical Communication Systems by Coherent Detection and Dynamic Decision Threshold in Atmospheric Turbulence Conditions. IEEE Photonics Technology Letters, 2012, 24, 2035-2037.	2.5	21
71	Burst-Error-Propagation Suppression for Decision-Feedback Equalizer in Field-Trial Submarine Fiber-Optic Communications. Journal of Lightwave Technology, 2021, 39, 4601-4606.	4.6	21
72	Ring-core fiber with negative curvature structure supporting orbital angular momentum modes. Optics Express, 2019, 27, 20358.	3.4	21

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73	Channel Equalization in Optical OFDM Systems Using Independent Component Analysis. Journal of Lightwave Technology, 2014, 32, 3206-3214.	4.6	19
74	Ultrahigh-Sensitivity Fiber Acoustic Sensor With a Dual Cladding Modes Fiber Up-Taper Interferometer. IEEE Photonics Technology Letters, 2015, 27, 2234-2237.	2.5	19
75	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
76	150-km Long Distance FBG Temperature and Vibration Sensor System Based on Stimulated Raman Amplification. Journal of Lightwave Technology, 2012, 30, 1237-1243.	4.6	18
77	Complementary frequency shifter based on polarization modulator used for generation of a high-quality frequency-locked multicarrier. Optics Letters, 2014, 39, 1513.	3.3	18
78	On the performance of MU-MIMO indoor visible light communication system based on THP algorithm. , 2014, , .		18
79	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
80	Non-Invasive Measurement for Cardiac Variations Using a Fiber Optic Sensor. IEEE Photonics Technology Letters, 2021, 33, 990-993.	2.5	18
81	Ultrafast and ultrahigh-resolution optical vector analysis using linearly frequency-modulated waveform and dechirp processing. Optics Letters, 2019, 44, 3322.	3.3	18
82	Hollow Core Bragg Fiber-Based Sensor for Simultaneous Measurement of Curvature and Temperature. Sensors, 2021, 21, 7956.	3.8	18
83	40-gb/s transmission over 25 km of negative-dispersion fiber using asymmetric narrow-band filtering of a commercial directly Modulated DFB laser. IEEE Photonics Technology Letters, 2005, 17, 1322-1324.	2.5	17
84	High-resolution optical spectrum characterization using optical channel estimation and spectrum stitching technique. Optics Letters, 2013, 38, 2314.	3.3	17
85	Non-invasive smart health monitoring system based on optical fiber interferometers. , 2017, , .		17
86	Performance improvement of NOMA visible light communication system by adjusting superposition constellation: a convex optimization approach. Optics Express, 2018, 26, 29796.	3.4	17
87	Dual-Stage Cascaded Frequency Offset Estimation for Digital Coherent Receivers. IEEE Photonics Technology Letters, 2010, 22, 401-403.	2.5	16
88	Time-Domain Blind ICI Mitigation for Non-Constant Modulus Format in CO-OFDM. IEEE Photonics Technology Letters, 2013, 25, 2490-2493.	2.5	16
89	Mode Division Multiplexing in a Fiber Modal Interferometer for Dual-Parameters Measurement. IEEE Photonics Technology Letters, 2016, 28, 143-146.	2.5	16
90	Cost-Effective Multi-Parameter Optical Performance Monitoring Using Multi-Task Deep Learning With Adaptive ADTP and AAH. Journal of Lightwave Technology, 2021, 39, 1733-1741.	4.6	16

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91	Non-Invasive Measurement of Vital Signs Based on Seven-Core Fiber Interferometer. IEEE Sensors Journal, 2021, 21, 10703-10710.	4.7	16
92	Transmission of 4×28-Gb/s PAM-4 over 160-km Single Mode Fiber using 10G-Class DML and Photodiode. , 2016, , .		16
93	Recent Advances in Short Reach Systems. , 2017, , .		16
94	Processing for dispersive intensity-modulation and direct-detection fiber-optic communications. Optics Letters, 2021, 46, 138.	3.3	16
95	Contactless vital signs monitoring based on few-mode and multi-core fibers. Opto-Electronic Advances, 2020, 3, 190034-190034.	13.3	16
96	Beyond 40-GHz Return-to-Zero Optical Pulse-Train Generation Using a Phase Modulator and Polarization-Maintaining Fiber. IEEE Photonics Technology Letters, 2007, 19, 42-44.	2.5	15
97	Ultrahigh-Q microwave photonic filter with tunable Q value utilizing cascaded optical-electrical feedback loops. Optics Letters, 2013, 38, 4304.	3.3	15
98	Experimental demonstration of 608Gbit/s short reach transmission employing half-cycle 16QAM Nyquist-SCM signal and direct detection with 25Gbps EML. Optics Express, 2016, 24, 25057.	3.4	15
99	Inverse design of LED arrangement for visible light communication systems. Optics Communications, 2017, 382, 615-623.	2.1	15
100	Chalcogenide-Glass Nested Anti-Resonant Nodeless Fibers in Mid-Infrared Region. Journal of Lightwave Technology, 2018, 36, 5244-5253.	4.6	15
101	Gas Pressure Sensor Based on BDK-Doped Polymer Optical Fiber. Micromachines, 2019, 10, 717.	2.9	15
102	Experimental investigation of 16.6 Gbps SDM-WDM visible light communication based on a neural network receiver and tricolor mini-LEDs. Optics Letters, 2021, 46, 2888.	3.3	15
103	Long-distance BOTDA sensing systems using video-BM3D denoising for both static and slowly varying environment. Optics Express, 2019, 27, 36100.	3.4	15
104	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
105	Freestanding $Fe_3O_4/Ti_3C_2T_x$ MXene/polyurethane composite film with efficient electromagnetic shielding and ultra-stretchable performance. Nanotechnology, 2022, 33, 165603.	2.6	15
106	Optical performance monitoring. , 2008, , 233-292.		14
107	CD-insensitive PMD monitoring based on RF power measurement. Optics Express, 2011, 19, 1354.	3.4	14
108	Optical signal to noise ratio monitoring using variable phase difference phase portrait with software synchronization. Optics Express, 2015, 23, 11284.	3.4	14

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109	Broadband 1 Ã— 3 Couplers With Variable Splitting Ratio Using Cascaded Step-Size MMI. IEEE Photonics Journal, 2018, 10, 1-8.	2.0	14
110	Differential Fresnel-reflection-based fiber biochemical sensor with temperature self-compensation for high-resolution measurement of Cd2+ concentration in solution. Sensors and Actuators B: Chemical, 2019, 282, 644-649.	7.8	14
111	Temperature and curvature insensitive all-fiber sensor used for human breath monitoring. Optics Express, 2021, 29, 26375.	3.4	14
112	Optical Fiber-Integrated Metasurfaces: An Emerging Platform for Multiple Optical Applications. Nanomaterials, 2022, 12, 793.	4.1	14
113	Performance improvement of on-off-keying freeâ€'space optical transmission systems by a coâ€'propagating reference continuous wave light. Optics Express, 2012, 20, 9284.	3.4	13
114	Channel Equalization Using Independent Component Analysis in PDM-CO-OFDM. IEEE Photonics Technology Letters, 2014, 26, 497-500.	2.5	13
115	Modal Excitations in Fully and Partially Ethanol-Filled Photonic Bandgap Fibers and Their Applications as Fiber Sensors. Journal of Lightwave Technology, 2016, 34, 3853-3858.	4.6	13
116	Long modal interference in multimode fiber and its application in vital signs monitoring. Optics Communications, 2020, 474, 126100.	2.1	13
117	Design of Weakly Coupled Two-Mode Hollow-Core Antiresonant Fiber With Low Loss. Journal of Lightwave Technology, 2020, 38, 864-874.	4.6	13
118	Real-Time Multi-User Video Optical Wireless Transmission Based on a Parallel Micro-LEDs Bulb. IEEE Photonics Journal, 2021, 13, 1-11.	2.0	13
119	Frequency Offset Estimation using a Kalman Filter in Coherent Optical Phase-Shift Keying Systems. , 2010, , .		13
120	Multigigabit Visible Light Communication Based on High-Bandwidth InGaN Quantum Dot Green Micro-LED. ACS Photonics, 2022, 9, 2354-2366.	6.6	13
121	Decision-Aided Joint Compensation of Transmitter IQ Mismatch and Phase Noise for Coherent Optical OFDM. IEEE Photonics Technology Letters, 2012, 24, 1066-1068.	2.5	12
122	Independent component analysis based digital signal processing in coherent optical fiber communication systems. Optics Communications, 2018, 409, 13-22.	2.1	12
123	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
124	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
125	Ultra-broadband fabrication-tolerant polarization splitter and rotator. , 2017, , .		12
126	Tunable dispersion slope compensation for 40-Gb/s WDM systems using broadband nonchannelized third-order chirped fiber Bragg gratings. Journal of Lightwave Technology, 2002, 20, 2259-2266.	4.6	11

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127	Parallel Implementation of Decision-Aided Maximum-Likelihood Phase Estimation in Coherent M-ary Phase-Shift Keying Systems. IEEE Photonics Technology Letters, 2009, 21, 1471-1473.	2.5	11
128	A novel LED arrangement to reduce SNR fluctuation for multi-user in visible light communication systems. , 2011, , .		11
129	8.75â€‰â€‰Gbps 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
130	Thin Piezoelectric Sheet Assisted PGC Demodulation of Fiber-Optic Integrated MZI and its Application in Under Mattress Vital Signs Monitoring. IEEE Sensors Journal, 2022, 22, 2151-2159.	4.7	11
131	Optimization strategy of power control for C+L+S band transmission using a simulated annealing algorithm. Optics Express, 2022, 30, 664.	3.4	11
132	Efficient pseudo-nondiffracting beam shaping using a quasicontinuous-phase diffractive element. Optical Engineering, 2001, 40, 517.	1.0	10
133	Carrier-suppressed 160 GHz pulse-train generation using a 40 GHz phase modulator with polarization-maintaining fiber. Optics Letters, 2009, 34, 1657.	3.3	10
134	Multi-wavelength Q-switched erbium doped fiber laser with a short carbon nanotube based saturable absorber. Optics Communications, 2012, 285, 3864-3867.	2.1	10
135	Multi-wavelength in-band OSNR monitor based on Lyot-Sagnac interferometer. Optics Express, 2015, 23, 20257.	3.4	10
136	Amplifier-Less Transmission of Single Channel 112Gbit/s PAM4 Signal Over 40km Using 25G EML and APD at O band. , 2017, , .		10
137	Optimization Algorithms of Neural Networks for Traditional Time-Domain Equalizer in Optical Communications. Applied Sciences (Switzerland), 2019, 9, 3907.	2.5	10
138	Highly Sensitive Temperature and Humidity Sensor Based on Carbon Nanotube-Assisted Mismatched Single-Mode Fiber Structure. Micromachines, 2019, 10, 521.	2.9	10
139	Enhancing SNR by Anisotropic Diffusion for Brillouin Distributed Optical Fiber Sensors. Journal of Lightwave Technology, 2020, 38, 5844-5852.	4.6	10
140	Dual Demodulation of Temperature and Refractive Index Using Ring Core Fiber Based Mach-Zehnder Interferometer. Micromachines, 2021, 12, 258.	2.9	10
141	Continuously-tunable dispersionless 44-ns all optical delay element using a two-pump PPLN, DCF, and a dispersion compensator. , 2005, , .		10
142	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
143	Vital Signs Monitoring Based on Interferometric Fiber Optic Sensors. Photonics, 2022, 9, 50.	2.0	10
144	A Novel in-Band OSNR Measurement Method Based on Normalized Autocorrelation Function. IEEE Photonics Journal, 2018, 10, 1-8.	2.0	9

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145	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
146	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
147	Mobile channel estimation based on decision feedback in vehicle-to-infrastructure visible light communication systems. Optics Communications, 2020, 462, 125261.	2.1	9
148	BGD-based Adam algorithm for time-domain equalizer in PAM-based optical interconnects. Optics Letters, 2020, 45, 141.	3.3	9
149	Parallel Mini/Micro-LEDs Transmitter: Size-Dependent Effect and Gbps Multi-User Visible Light Communication. Journal of Lightwave Technology, 2022, 40, 2329-2340.	4.6	9
150	PCF based modal interferometer for lead ion detection. Optics Express, 2022, 30, 4895.	3.4	9
151	Design, fabrication, and characterization of a low-index center and trench-assisted 7-ring-core 5-mode-group fiber for dense space-division multiplexing. Optics Express, 2022, 30, 650.	3.4	9
152	Simultaneous and independent multi-parameter monitoring with fault localization for DSP-based coherent communication systems. Optics Express, 2010, 18, 23608.	3.4	8
153	PMD-Insensitive CD Monitoring Based on RF Clock Power Ratio Measurement With Optical Notch Filter. IEEE Photonics Technology Letters, 2011, 23, 1576-1578.	2.5	8
154	Performance analysis of coherent optical 8-star QAM systems using decision-aided maximum likelihood phase estimation. Optics Express, 2012, 20, 9302.	3.4	8
155	A combining signal amplification of atom transfer radical polymerization and redox polymerization for visual biomolecules detection. Journal of Polymer Science Part A, 2014, 52, 2791-2799.	2.3	8
156	Adaptive Maximum Likelihood Sequence Detection for QPSK Coherent Optical Communication System. IEEE Photonics Technology Letters, 2014, 26, 583-586.	2.5	8
157	Pilot-Tone Assisted Log-Likelihood Ratio for LDPC Coded CO-OFDM System. IEEE Photonics Technology Letters, 2014, 26, 1577-1580.	2.5	8
158	Integrated In-Band OSNR Monitor Based on Asymmetrical Parallel-MZIs for WDM signals. IEEE Journal of Selected Topics in Quantum Electronics, 2016, 22, 467-472.	2.9	8
159	Efficient Indoor Data Transmission With Full Dimming Control in Hybrid Visible Light/Infrared Communication Systems. IEEE Access, 2018, 6, 77675-77684.	4.2	8
160	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
161	Transmission and Generation of Orbital ANGULAR Momentum Modes in Optical Fibers. Photonics, 2021, 8, 246.	2.0	8
162	Unobtrusive vital signs and activity monitoring based on dual mode fiber. Optical Fiber Technology, 2021, 64, 102530.	2.7	8

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163	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
164	Photo-induced bleaching and thermally stimulated recovery of BAC-P in Bi-doped phosphosilicate fibers. Optics Letters, 2020, 45, 5389.	3.3	8
165	Simultaneous OSNR Monitoring and Modulation Format Identification Using Asynchronous Single Channel Sampling. , 2015, , .		8
166	Multi-Rate Nyquist-SCM for C-Band 100 Gbit/s Signal Over 50 km Dispersion-Uncompensated Link. Journal of Lightwave Technology, 2022, 40, 1930-1936.	4.6	8
167	Maximum likelihood sequence detection in laser phase noise-impaired coherent optical systems. Optics Express, 2011, 19, 22600.	3.4	7
168	Decision-aided joint compensation of channel distortion and transmitter IQ imbalance for coherent optical OFDM. , 2011, , .		7
169	Optical Pump Induced Thermal Sensitivity Reduction in a Minimized Er/Yb-Codoped-Fiber Mach–Zehnder Interferometer. Journal of Lightwave Technology, 2014, 32, 917-921.	4.6	7
170	Performance improvement of the pre-coded multi-user MIMO indoor visible light communication system. , 2014, , .		7
171	Coherent BOTDA Using Phase- and Polarization-Diversity Heterodyne Detection and Embedded Digital Signal Processing. IEEE Sensors Journal, 2017, 17, 3728-3734.	4.7	7
172	Non-wearable respiration monitoring based on Mach-Zehnder interferometer. , 2017, , .		7
173	Performance Improvement of M-QAM OFDM-NOMA Visible Light Communication Systems. , 2018, , .		7
174	Variable optical attenuator and modulator based on a graphene plasmonic gap waveguide. Optics Communications, 2018, 426, 251-256.	2.1	7
175	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
176	Ultrahigh-Resolution Optoelectronic Vector Analysis Utilizing Photonics-Based Frequency Up- and Down-Conversions. Journal of Lightwave Technology, 2020, , 1-1.	4.6	7
177	Broadband Optoelectronic Frequency Response Measurement Utilizing Frequency Conversion. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-5.	4.7	7
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