Zuyuan He

List of Publications by Year in descending order

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590	8,775	50244	71651
papers	citations	46 h-index	76 g-index

592	592	592	4356
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Distributed strain measurement with millimeter-order spatial resolution based on Brillouin optical correlation domain analysis. Optics Letters, 2006, 31, 2526.	1.7	304
2	Proposal of Brillouin optical correlation-domain reflectometry (BOCDR). Optics Express, 2008, 16, 12148.	1.7	295
3	Complete discrimination of strain and temperature using Brillouin frequency shift and birefringence in a polarization-maintaining fiber. Optics Express, 2009, 17, 1248.	1.7	266
4	All-optical dynamic grating generation based on Brillouin scattering in polarization-maintaining fiber. Optics Letters, 2008, 33, 926.	1.7	230
5	All-Fiber Curvature Sensor Based on Multimode Interference. IEEE Photonics Technology Letters, 2011, 23, 679-681.	1.3	221
6	Phase-detection distributed fiber-optic vibration sensor without fading-noise based on time-gated digital OFDR. Optics Express, 2017, 25, 8315.	1.7	186
7	Arbitrarily routed mode-division multiplexed photonic circuits for dense integration. Nature Communications, 2019, 10, 3263.	5.8	147
8	Miniature fiber-optic temperature sensorsâ€¨based on silica/polymer microfiber knot resonators. Optics Express, 2009, 17, 18142.	1.7	135
9	Reduction of Backscattering Induced Noise by Carrier Suppression in Waveguide-Type Optical Ring Resonator Gyro. Journal of Lightwave Technology, 2011, 29, 85-90.	2.7	132
10	Broadband gate-tunable terahertz plasmons in graphene heterostructures. Nature Photonics, 2018, 12, 22-28.	15.6	127
11	Optical Fiber Distributed Acoustic Sensors: A Review. Journal of Lightwave Technology, 2021, 39, 3671-3686.	2.7	117
12	Distributed fiber-optic vibration sensing based on phase extraction from time-gated digital OFDR. Optics Express, 2015, 23, 33301.	1.7	112
13	Distributed Fiber-Optic Acoustic Sensor With Enhanced Response Bandwidth and High Signal-to-Noise Ratio. Journal of Lightwave Technology, 2017, 35, 2037-2043.	2.7	111
14	Demonstration of Brillouin Distributed Discrimination of Strain and Temperature Using a Polarization-Maintaining Optical Fiber. IEEE Photonics Technology Letters, 2010, 22, 526-528.	1.3	98
15	High-repetition-rate distributed Brillouin sensor based on optical correlation-domain analysis with differential frequency modulation. Optics Letters, 2011, 36, 2062.	1.7	93
16	Synthesis of optical-coherence function and its applications in distributed and multiplexed optical sensing. Journal of Lightwave Technology, 2006, 24, 2541-2557.	2.7	91
17	High-fidelity distributed fiber-optic acoustic sensor with fading noise suppressed and sub-meter spatial resolution. Optics Express, 2018, 26, 16138.	1.7	90
18	Optical time-domain measurement of Brillouin dynamic grating spectrum in a polarization-maintaining fiber. Optics Letters, 2009, 34, 1381.	1.7	86

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19	Measurement range enlargement in Brillouin optical correlation-domain reflectometry based on temporal gating scheme. Optics Express, 2009, 17, 9040.	1.7	84
20	Correlation-based distributed measurement of a dynamic grating spectrum generated in stimulated Brillouin scattering in a polarization-maintaining optical fiber. Optics Letters, 2009, 34, 1126.	1.7	77
21	One-End-Access High-Speed Distributed Strain Measurement with 13-mm Spatial Resolution Based on Brillouin Optical Correlation-Domain Reflectometry. IEEE Photonics Technology Letters, 2009, 21, 474-476.	1.3	77
22	Time-gated digital optical frequency domain reflectometry with 16-m spatial resolution over entire 110-km range. Optics Express, 2015, 23, 25988.	1.7	76
23	Reduction of polarization-fluctuation induced drift in resonator fiber optic gyro by a resonator with twin 90Â° polarization-axis rotated splices. Optics Express, 2010, 18, 1677.	1.7	73
24	Graphene-Enhanced Brillouin Optomechanical Microresonator for Ultrasensitive Gas Detection. Nano Letters, 2017, 17, 4996-5002.	4.5	73
25	Stimulated Brillouin scattering and its dependences on strain and temperature in a high-delta optical fiber with F-doped depressed inner cladding. Optics Letters, 2007, 32, 600.	1.7	71
26	Biochemical sensing in graphene-enhanced microfiber resonators with individual molecule sensitivity and selectivity. Light: Science and Applications, 2019, 8, 107.	7.7	70
27	Long-Range Distributed Vibration Sensing Based on Phase Extraction From Phase-Sensitive OTDR. IEEE Photonics Journal, 2016, 8, 1-12.	1.0	69
28	Four-Wave Mixing in a Microfiber Attached Onto a Graphene Film. IEEE Photonics Technology Letters, 2014, 26, 249-252.	1.3	66
29	Measurement range enlargement in Brillouin optical correlation-domain reflectometry based on double-modulation scheme. Optics Express, 2010, 18, 5926.	1.7	65
30	Multiband Three-Dimensional Carrierless Amplitude Phase Modulation for Short Reach Optical Communications. Journal of Lightwave Technology, 2016, 34, 3103-3109.	2.7	65
31	Design and Characterization of Ring-Assisted Few-Mode Fibers for Weakly Coupled Mode-Division Multiplexing Transmission. Journal of Lightwave Technology, 2018, 36, 5547-5555.	2.7	65
32	Ultra-high-resolution large-dynamic-range optical fiber static strain sensor using Poundâ€“Dreverâ€“Hall technique. Optics Letters, 2011, 36, 4044.	1.7	64
33	Polyimide-coated fiber Bragg grating for relative humidity sensing. Photonic Sensors, 2015, 5, 60-66.	2.5	64
34	Distributed Fiber-Optic Vibration Sensing Based on Phase Extraction From Optical Reflectometry. Journal of Lightwave Technology, 2017, 35, 3281-3288.	2.7	63
35	Nonlinear Distortion Mitigation by Machine Learning of SVM Classification for PAM-4 and PAM-8 Modulated Optical Interconnection. Journal of Lightwave Technology, 2018, 36, 650-657.	2.7	61
36	Frequency Response Enhancement of Direct-Detection Phase-Sensitive OTDR by Using Frequency Division Multiplexing. Journal of Lightwave Technology, 2018, 36, 1197-1203.	2.7	57

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37	Two-Dimensional Finite-Element Modal Analysis of Brillouin Gain Spectra in Optical Fibers. IEEE Photonics Technology Letters, 2006, 18, 2487-2489.	1.3	56
38	Ultrahigh resolution optical fiber strain sensor using dual Poundâ€“Dreverâ€“Hall feedback loops. Optics Letters, 2016, 41, 1066.	1.7	55
39	Sensitive sulfide ion detection by optofluidic catalytic laser using horseradish peroxidase (HRP) enzyme. Biosensors and Bioelectronics, 2017, 96, 351-357.	5.3	54
40	108-km Distributed Acoustic Sensor With 220-p$varepsilon /surd$Hz Strain Resolution and 5-m Spatial Resolution. Journal of Lightwave Technology, 2019, 37, 4462-4468.	2.7	54
41	Realization of nano static strain sensing with fiber Bragg gratings interrogated by narrow linewidth tunable lasers. Optics Express, 2011, 19, 20214.	1.7	52
42	Synthesized optical coherence tomography for imaging of scattering objects by use of a stepwise frequency-modulated tunable laser diode. Optics Letters, 1999, 24, 1502.	1.7	51
43	Sub-nano resolution fiber-optic static strain sensor using a sideband interrogation technique. Optics Letters, 2012, 37, 434.	1.7	51
44	Long-range Raman distributed temperature sensor with high spatial and temperature resolution using graded-index few-mode fiber. Optics Express, 2018, 26, 20562.	1.7	51
45	Effects of Intensity Modulation of Light Source on Brillouin Optical Correlation Domain Analysis. Journal of Lightwave Technology, 2007, 25, 1238-1246.	2.7	49
46	$2-mu$ m Wavelength Grating Coupler, Bent Waveguide, and Tunable Microring on Silicon Photonic MPW. IEEE Photonics Technology Letters, 2018, 30, 471-474.	1.3	48
47	Sensing the earth crustal deformation with nano-strain resolution fiber-optic sensors. Optics Express, 2015, 23, A428.	1.7	47
48	Millimeter-resolution long-range OFDR using ultra-linearly 100 GHz-swept optical source realized by injection-locking technique and cascaded FWM process. Optics Express, 2017, 25, 3514.	1.7	47
49	Distributed fiber-optic stress-location measurement by arbitrary shaping of optical coherence function. Journal of Lightwave Technology, 2002, 20, 1715-1723.	2.7	45
50	Operation of Brillouin Optical Correlation-Domain Reflectometry: Theoretical Analysis and Experimental Validation. Journal of Lightwave Technology, 2010, , .	2.7	45
51	Strain Dynamic Range Enlargement of Slope-Assisted BOTDA by Using Brillouin Phase-Gain Ratio. Journal of Lightwave Technology, 2017, 35, 4451-4458.	2.7	45
52	Highly sensitive quasi-distributed fiber-optic acoustic sensing system by interrogating a weak reflector array. Optics Letters, 2018, 43, 3594.	1.7	45
53	Sensitivity enhanced strain and temperature measurements based on FBG and frequency chirp magnification. Optics Express, 2013, 21, 27111.	1.7	44
54	Highly Compact and Efficient Four-Mode Multiplexer Based on Pixelated Waveguides. IEEE Photonics Technology Letters, 2020, 32, 166-169.	1.3	44

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55	Investigation of Strain- and Temperature-Dependences of Brillouin Frequency Shifts in GeO$_{2}$-Doped Optical Fibers. Journal of Lightwave Technology, 2008, 26, 1854-1861.	2.7	43
56	One-laser-based generation/detection of Brillouin dynamic grating and its application to distributed discrimination of strain and temperature. Optics Express, 2011, 19, 2363.	1.7	43
57	An Ultra-Compact 3-dB Power Splitter for Three Modes Based on Pixelated Meta-Structure. IEEE Photonics Technology Letters, 2020, 32, 341-344.	1.3	43
58	Optimization of Brillouin optical correlation domain analysis system based on intensity modulation scheme. Optics Express, 2006, 14, 4256.	1.7	42
59	MOEMS Accelerometer Based on Microfiber Knot Resonator. IEEE Photonics Technology Letters, 2009, 21, 1547-1549.	1.3	41
60	Distributed strain measurement using a tellurite glass fiber with Brillouin optical correlation-domain reflectometry. Optics Communications, 2010, 283, 2438-2441.	1.0	41
61	Dynamic strain measurement with kHz-level repetition rate and centimeter-level spatial resolution based on Brillouin optical correlation domain analysis. Optics Express, 2018, 26, 6916.	1.7	41
62	Acoustic modal analysis and control in w-shaped triple-layer optical fibers with highly-germanium-doped core and F-doped inner cladding. Optics Express, 2008, 16, 10006.	1.7	39
63	High-Resolution Simultaneous Measurement of Strain and Temperature Using pi-Phase-Shifted FBG in Polarization Maintaining Fiber. Journal of Lightwave Technology, 2017, 35, 4838-4844.	2.7	39
64	Optical Graphene Gas Sensors Based on Microfibers: A Review. Sensors, 2018, 18, 941.	2.1	39
65	Machine learning aided inverse design for few-mode fiber weak-coupling optimization. Optics Express, 2020, 28, 21668.	1.7	39
66	Temperature-Insensitive Micro Fabryâ€“PÃ‰rot Strain Sensor Fabricated by Chemically Etching Er-Doped Fiber. IEEE Photonics Technology Letters, 2009, 21, 1725-1727.	1.3	38
67	Fiber-Optic Fabry-PÃ©rot Sensor Based on Periodic Focusing Effect of Graded-Index Multimode Fibers. IEEE Photonics Technology Letters, 2010, 22, 1708-1710.	1.3	38
68	Applications of Brillouin Dynamic Grating to Distributed Fiber Sensors. Journal of Lightwave Technology, 2017, 35, 3268-3280.	2.7	37
69	Few-mode multicore fiber enabled integrated Mach-Zehnder interferometers for temperature and strain discrimination. Optics Express, 2018, 26, 15332.	1.7	37
70	Suppression of the Interference Fading in Phase-Sensitive OTDR With Phase-Shift Transform. Journal of Lightwave Technology, 2021, 39, 295-302.	2.7	37
71	Fiber-optic distributed acoustic sensor based on a chirped pulse and a non-matched filter. Optics Express, 2019, 27, 29415.	1.7	37
72	Low-Latency and High-Speed Hollow-Core Fiber Optical Interconnection at 2-Micron Waveband. Journal of Lightwave Technology, 2020, 38, 3874-3882.	2.7	35

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73	Measurement Range Elongation Based on Temporal Gating in Brillouin Optical Correlation Domain Distributed Simultaneous Sensing of Strain and Temperature. IEEE Photonics Technology Letters, 2012, 24, 1006-1008.	1.3	34
74	Single-End-Access Correlation-Domain Distributed Fiber-Optic Sensor Based on Stimulated Brillouin Scattering. Journal of Lightwave Technology, 2010, 28, 2736-2742.	2.7	31
75	World-Wide Benchmarking of ITER ${m Nb}_{3}{m Sn}$ Strand Test Facilities. IEEE Transactions on Applied Superconductivity, 2010, 20, 1500-1503.	1.1	30
76	Threshold-Based Pruned Retraining Volterra Equalization for 100 Gbps/Lane and 100-m Optical Interconnects Based on VCSEL and MMF. Journal of Lightwave Technology, 2019, 37, 3222-3228.	2.7	30
77	Bandwidth-adjustable dynamic grating in erbium-doped fiber by synthesis of optical coherence function. Optics Express, 2005, 13, 5756.	1.7	29
78	Dependence of Brillouin Frequency Shift in Optical Fibers on Draw-Induced Residual Elastic and Inelastic Strains. IEEE Photonics Technology Letters, 2007, 19, 1389-1391.	1.3	29
79	Experimental study of Brillouin scattering in fluorine-doped single-mode optical fibers. Optics Express, 2008, 16, 18804.	1.7	29
80	Quasi-distributed fiber-optic acoustic sensing system based on pulse compression technique and phase-noise compensation. Optics Letters, 2019, 44, 5969.	1.7	29
81	Stress-location measurement along an optical fiber by synthesis of triangle-shaped optical coherence function. IEEE Photonics Technology Letters, 2001, 13, 233-235.	1.3	28
82	Fiber Optofluidic Microlaser With Lateral Single Mode Emission. IEEE Journal of Selected Topics in Quantum Electronics, 2018, 24, 1-6.	1.9	28
83	Ultra-Compact Mode-Division Multiplexed Photonic Integrated Circuit for Dual Polarizations. Journal of Lightwave Technology, 2021, 39, 5925-5932.	2.7	28
84	Optimization study on graphene-coated microfiber Bragg grating structures for ammonia gas sensing. Photonic Sensors, 2015, 5, 84-90.	2.5	27
85	Inversely Designed 1 Ã— 4 Power Splitter With Arbitrary Ratios at 2-Î¼m Spectral Band. IEEE Photonics Journal, 2018, 10, 1-6.	1.0	27
86	Broadband and high-resolution electro-optic dual-comb interferometer with frequency agility. Optics Express, 2019, 27, 9266.	1.7	27
87	Navigation-grade resonant fiber-optic gyroscope using ultra-simple white-light multibeam interferometry. Photonics Research, 2022, 10, 542.	3.4	27
88	Microfluidic Flow Rate Detection With a Large Dynamic Range by Optical Manipulation. IEEE Photonics Technology Letters, 2015, 27, 2508-2511.	1.3	26
89	Dense electro-optic frequency comb generated by two-stage modulation for dual-comb spectroscopy. Optics Letters, 2017, 42, 3984.	1.7	26
90	Range Elongation of Distributed Discrimination of Strain and Temperature in Brillouin Optical Correlation-Domain Analysis Based on Dual Frequency Modulations. IEEE Sensors Journal, 2014, 14, 244-248.	2.4	25

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91	Long-Range Distributed Static Strain Sensing With $< $100 Nano-Strain Resolution Realized Using OFDR. Journal of Lightwave Technology, 2019, 37, 4590-4596.	2.7	25
92	Recent Main Events in Applied Superconductivity in China. IEEE Transactions on Applied Superconductivity, 2009, 19, 1069-1080.	1.1	24
93	Dependence of the Brillouin Frequency Shift on Temperature in a Tellurite Glass Fiber and a Bismuth-Oxide Highly-Nonlinear Fiber. Applied Physics Express, 2009, 2, 112402.	1.1	24
94	Transmission of IM/DD Signals at 2ÂÎ¼m Wavelength Using PAM and CAP. IEEE Photonics Journal, 2016, 8, 1-7.	1.0	24
95	Manufacture and Test of Bi-2212 Cable-in-Conduit Conductor. IEEE Transactions on Applied Superconductivity, 2017, 27, 1-5.	1.1	24
96	Ultra-Low-Noise Mode-Division Multiplexed WDM Transmission Over 100-km FMF Based on a Second-Order Few-Mode Raman Amplifier. Journal of Lightwave Technology, 2018, 36, 3254-3260.	2.7	24
97	Machine Learning Adaptive Receiver for PAM-4 Modulated Optical Interconnection Based on Silicon Microring Modulator. Journal of Lightwave Technology, 2018, 36, 4106-4113.	2.7	24
98	Frequency Response Enhancement of Phase-Sensitive OTDR for Interrogating Weak Reflector Array by Using OFDM and Vernier Effect. Journal of Lightwave Technology, 2020, 38, 4874-4882.	2.7	24
99	Compressed Neural Network Equalization Based on Iterative Pruning Algorithm for 112-Gbps VCSEL-Enabled Optical Interconnects. Journal of Lightwave Technology, 2020, 38, 1323-1329.	2.7	24
100	Enhancing strain dynamic range of slope-assisted BOTDA by manipulating Brillouin gain spectrum shape. Optics Express, 2018, 26, 32599.	1.7	23
101	Frequency-resolved adaptive probabilistic shaping for DMT-modulated IM-DD optical interconnects. Optics Express, 2019, 27, 12241.	1.7	23
102	High-spatial-resolution fiber-optic distributed acoustic sensor based on Î¦-OFDR with enhanced crosstalk suppression. Optics Letters, 2020, 45, 563.	1.7	23
103	High-speed silicon microring modulator at the 2â€‰â€‰Âµm waveband with analysis and observation of optical bistability. Photonics Research, 2022, 10, A35.	3.4	23
104	Selective image extraction by synthesis of the coherence function using two-dimensional optical lock-in amplifier with microchannel spatial light modulator. IEEE Photonics Technology Letters, 1997, 9, 514-516.	1.3	22
105	Ultrahigh Resolution Multiplexed Fiber Bragg Grating Sensor for Crustal Strain Monitoring. IEEE Photonics Journal, 2012, 4, 996-1003.	1.0	22
106	Spatial Resolution Improvement in Correlation Domain Distributed Measurement of Brillouin Grating. IEEE Photonics Technology Letters, 2014, 26, 473-476.	1.3	22
107	A 51Gb/s, 320mW, PAM4 CDR with baud-rate sampling for high-speed optical interconnects. , 2017, , .		22
108	Second-order few-mode Raman amplifier for mode-division multiplexed optical communication systems. Optics Express, 2017, 25, 810.	1.7	22

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109	Novel strain- and temperature-sensing mechanism based on dynamic grating in polarization-maintaining erbium-doped fiber. Optics Express, 2006, 14, 556.	1.7	21
110	Sub-Nano-Strain Multiplexed Fiber Optic Sensor Array for Quasi-Static Strain Measurement. IEEE Photonics Technology Letters, 2016, 28, 2311-2314.	1.3	21
111	Electromagnetic Optimization and Preliminary Mechanical Analysis of the CFETR CS Model Coil. IEEE Transactions on Plasma Science, 2016, 44, 1559-1563.	0.6	21
112	Ultrahigh Resolution Fiber Bragg Grating Sensors for Quasi-Static Crustal Deformation Measurement. Journal of Lightwave Technology, 2017, 35, 3334-3346.	2.7	21
113	Time-domain multiplexed high resolution fiber optics strain sensor system based on temporal response of fiber Fabry-Perot interferometers. Optics Express, 2017, 25, 21914.	1.7	21
114	Phase-Noise-Compensated OFDR Realized Using Hardware-Adaptive Algorithm for Real-Time Processing. Journal of Lightwave Technology, 2019, 37, 2634-2640.	2.7	21
115	Resonant fiber-optic strain and temperature sensor achieving thermal-noise-limit resolution. Optics Express, 2021, 29, 1870.	1.7	21
116	Programmable matrix operation with reconfigurable time-wavelength plane manipulation and dispersed time delay. Optics Express, 2019, 27, 20456.	1.7	21
117	Highly sensitive and reconfigurable fiber optic current sensor by optical recirculating in a fiber loop. Optics Express, 2016, 24, 17980.	1.7	20
118	Mechanical Properties of Preliminary Designed Insulation for CFETR CSMC. IEEE Transactions on Applied Superconductivity, 2016, 26, 1-4.	1.1	20
119	Distributed Dynamic Strain Measurement Based on Dual-Slope-Assisted Brillouin Optical Correlation Domain Analysis. Journal of Lightwave Technology, 2019, 37, 4573-4583.	2.7	20
120	Mode division multiplexing: from photonic integration to optical fiber transmission [Invited]. Chinese Optics Letters, 2021, 19, 091301.	1.3	20
121	Fast MHz spectral-resolution dual-comb spectroscopy with electro-optic modulators. Optics Letters, 2019, 44, 65.	1.7	20
122	Intelligent gain flattening in wavelength and space domain for FMF Raman amplification by machine learning based inverse design. Optics Express, 2020, 28, 11911.	1.7	19
123	Chalcogenide glass photonic integration for improved 2â€‰â€‰Î¼m optical interconnection. Photonics Research, 2020, 8, 1484.	3.4	19
124	High-speed high-reflectance-resolution reflectometry by synthesis of optical coherence function. IEICE Electronics Express, 2006, 3, 122-128.	0.3	18
125	Stable Entire-Length Measurement of Fiber Strain Distribution by Brillouin Optical Correlation-Domain Reflectometry with Polarization Scrambling and Noise-Floor Compensation. Applied Physics Express, 0, 2, 062403.	1.1	18
126	Automated Suppression of Polarization Fluctuation in Resonator Fiber Optic Gyro With Twin 90^{circ} Polarization-Axis Rotated Splices. Journal of Lightwave Technology, 2013, 31, 366-374.	2.7	18

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127	Sensitive optofluidic flow rate sensor based on laser heating and microring resonator. Microfluidics and Nanofluidics, 2015, 19, 1497-1505.	1.0	18
128	Circular-core single-mode polymer waveguide for high-density and high-speed optical interconnects application at 1550 nm. Optics Express, 2017, 25, 25689.	1.7	18
129	QAM classification methods by SVM machine learning for improved optical interconnection. Optics Communications, 2019, 444, 1-8.	1.0	18
130	Practical Pattern Recognition System for Distributed Optical Fiber Intrusion Monitoring System Based on Phase-Sensitive Coherent OTDR. , 2015, , .		18
131	Miniature interrogator for multiplexed FBG strain sensors based on a thermally tunable microring resonator array. Optics Express, 2019, 27, 6037.	1.7	18
132	Spatial Frequency Multiplexing of Fiber-Optic Interferometric Refractive Index Sensors Based on Graded-Index Multimode Fibers. Sensors, 2012, 12, 12377-12385.	2.1	17
133	1-cm spatial resolution with large dynamic range in strain distributed sensing by Brillouin optical correlation domain reflectometry based on intensity modulation. , 2012, , .		17
134	Structural Stress Analysis of the CFETR Central Solenoid Model Coil. IEEE Transactions on Plasma Science, 2018, 46, 1512-1516.	0.6	17
135	High-Speed Traveling-Wave Modulator Based on Graphene and Microfiber. Journal of Lightwave Technology, 2018, 36, 4730-4735.	2.7	17
136	Thermo-Optic Tunable Silicon Arrayed Waveguide Grating at 2-Î¼m Wavelength Band. IEEE Photonics Journal, 2020, 12, 1-8.	1.0	17
137	Preliminary Design of CFETR TF Prototype Coil. Journal of Fusion Energy, 2021, 40, 1.	0.5	17
138	High-resolution wavemeter using Rayleigh speckle obtained by optical time domain reflectometry. Optics Letters, 2020, 45, 799.	1.7	17
139	Long-range and wide-band vibration sensing by using phase-sensitive OFDR to interrogate a weak reflector array. Optics Express, 2020, 28, 18387.	1.7	17
140	Novel Distributed Fiber-Optic Strain Sensor by Localizing Dynamic Grating in Polarization-Maintaining Erbium-Doped Fiber: Proposal and Theoretical Analysis. Japanese Journal of Applied Physics, 2005, 44, 1101-1106.	0.8	16
141	Fiber Bragg grating strain sensors for marine engineering. Photonic Sensors, 2013, 3, 267-271.	2.5	16
142	Ultrahigh resolution fiber-optic quasi-static strain sensors for geophysical research. Photonic Sensors, 2013, 3, 295-303.	2.5	16
143	Manufacturing of Nb₃Sn Sample Conductor for CFETR Central Solenoid Model Coil. IEEE Transactions on Applied Superconductivity, 2017, 27, 1-5.	1.1	16
144	Sub-THz-range linearly chirped signals characterized using linear optical sampling technique to enable sub-millimeter resolution for optical sensing applications. Optics Express, 2017, 25, 10224.	1.7	16

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145	Dyadic Probabilistic Shaping of PAM-4 and PAM-8 for Cost-Effective VCSEL-MMF Optical Interconnection. IEEE Photonics Journal, 2019, 11, 1-11.	1.0	16
146	Intelligent 2-Dimensional Soft Decision Enabled by K-Means Clustering for VCSEL-Based 112-Gbps PAM-4 and PAM-8 Optical Interconnection. Journal of Lightwave Technology, 2019, 37, 6133-6146.	2.7	16
147	Review on Speckle-Based Spectrum Analyzer. Photonic Sensors, 2021, 11, 187-202.	2.5	16
148	Centimeter Spatial Resolution Distributed Temperature Sensor Based on Polarization-Sensitive Optical Frequency Domain Reflectometry. Journal of Lightwave Technology, 2021, 39, 2594-2602.	2.7	16
149	Practical Evaluation of Polymer Waveguides for High-Speed and Meter-Scale On-Board Optical Interconnects. Journal of Lightwave Technology, 2018, 36, 3486-3493.	2.7	16
150	Cabling Technology of Nb₃Sn Conductor for CFETR Central Solenoid Model Coil. IEEE Transactions on Applied Superconductivity, 2016, 26, 1-5.	1.1	15
151	Impact of Indentation on the Critical Current of Bi2212 Round Wire. IEEE Transactions on Applied Superconductivity, 2016, 26, 1-5.	1.1	15
152	3D polymer directional coupler for on-board optical interconnects at 1550 nm. Optics Express, 2018, 26, 16344.	1.7	15
153	Dynamic Strain Measurements Based on High-Speed Single-End-Access Brillouin Optical Correlation Domain Analysis. Journal of Lightwave Technology, 2019, 37, 2557-2567.	2.7	15
154	Optical Fiber Humidity Sensor Based on Water Absorption Peak Near 2-Î¼m Waveband. IEEE Photonics Journal, 2019, 11, 1-8.	1.0	15
155	Ultra-Low-Loss Broadband All-Fiber Mode Selective Couplers for MIMO-Less MDM Transmission. Journal of Lightwave Technology, 2020, 38, 2376-2382.	2.7	15
156	Photonic Convolution Neural Network Based on Interleaved Time-Wavelength Modulation. Journal of Lightwave Technology, 2021, 39, 4592-4600.	2.7	15
157	Tilted fiber Bragg grating in graded-index multimode fiber and its sensing characteristics. Photonic Sensors, 2013, 3, 112-117.	2.5	14
158	The Axial Tensile Stressâ€“Strain Characterization of Ag-Sheathed Bi2212 Round Wire. IEEE Transactions on Applied Superconductivity, 2015, 25, 1-4.	1.1	14
159	Experimental demonstration of a few-mode Raman amplifier with a flat gain covering 1530â€“1605â€‰â€‰nm. Optics Letters, 2018, 43, 4530.	1.7	14
160	Realization of Sub-Nano-Strain Static Resolution With Injection-Locking Between Two Fiber Laser Sensors. Journal of Lightwave Technology, 2019, 37, 3166-3172.	2.7	14
161	Design of 125-Î¼m cladding diameter multicore fibers with high core multiplexing factor for wideband optical transmission. Optical Fiber Technology, 2019, 50, 55-61.	1.4	14
162	On-Chip Selective Dual-Mode Switch for 2-Î¼m Wavelength High-Speed Optical Interconnection. IEEE Photonics Technology Letters, 2021, 33, 483-486.	1.3	14

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163	Distributed Fiber-optic Acoustic Sensor with Sub-nano Strain Resolution Based on Time-gated Digital OFDR. , 2017, , .		14
164	Silicon-integrated dual-mode fiber-to-chip edge coupler for 2â€‰Ã—â€‰100 Gbps/lambda MDM optical interconnection. Optics Express, 2020, 28, 33254.	1.7	14
165	Distributed Strain Measurement with Millimeter-Order Spatial Resolution Based on Brillouin Optical Correlation Domain Analysis and Beat Lock-in Detection Scheme. , 2006, , ThC2.		13
166	Distributed strain sensor based on dynamic grating in polarization-maintaining erbium-doped fiber. Optics Letters, 2008, 33, 1647.	1.7	13
167	Winding R&D for CFETR Central Solenoid Model Coil. IEEE Transactions on Applied Superconductivity, 2018, 28, 1-5.	1.1	13
168	High speed and small footprint silicon micro-ring modulator assembly for space-division-multiplexed 100-Gbps optical interconnection. Optics Express, 2018, 26, 13721.	1.7	13
169	p<inline-formula> <tex-math notation="LaTeX">$varepsilon$ </tex-math> </inline-formula>-Resolution Fiber Grating Sensor With Adjustable Measurement Range and Ultralow Probe Power. IEEE Photonics Technology Letters, 2019, 31, 19-22.	1.3	13
170	Machine learning for nonlinearity mitigation in CAP modulated optical interconnect system by using K-nearest neighbour algorithm. , 2016, , .		13
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