

# Kun Liu

## List of Publications by Citations

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148  
papers

1,651  
citations

21  
h-index

34  
g-index

159  
ext. papers

2,254  
ext. citations

3.2  
avg, IF

4.96  
L-index

#	Paper	IF	Citations
148	Optical fiber magnetic field sensor based on single-mode-multimode-single-mode structure and magnetic fluid. <i>Optics Letters</i> , <b>2013</b> , 38, 3999-4001	3	181
147	Distributed Optical Fiber Sensors Based on Optical Frequency Domain Reflectometry: A review. <i>Sensors</i> , <b>2018</b> , 18,	3.8	111
146	Underwater image recovery considering polarization effects of objects. <i>Optics Express</i> , <b>2016</b> , 24, 9826-38,3	3	79
145	Long-Range Distributed Fiber Vibration Sensor Using an Asymmetric Dual Mach-Zehnder Interferometers. <i>Journal of Lightwave Technology</i> , <b>2016</b> , 34, 2235-2239	4	45
144	Batch-Produced Fiber-Optic Fabry-Perot Sensor for Simultaneous Pressure and Temperature Sensing. <i>IEEE Photonics Technology Letters</i> , <b>2014</b> , 26, 2070-2073	2.2	39
143	Underwater Image Recovery Under the Nonuniform Optical Field Based on Polarimetric Imaging. <i>IEEE Photonics Journal</i> , <b>2018</b> , 10, 1-9	1.8	38
142	Self-temperature-compensative refractometer based on single-mode-multimode-single-mode fiber structure. <i>Sensors and Actuators B: Chemical</i> , <b>2015</b> , 212, 107-111	8.5	38
141	Polarimetric image recovery method combining histogram stretching for underwater imaging. <i>Scientific Reports</i> , <b>2018</b> , 8, 12430	4.9	36
140	An Elimination Method of Polarization-Induced Phase Shift and Fading in Dual Mach-Zehnder Interferometry Disturbance Sensing System. <i>Journal of Lightwave Technology</i> , <b>2013</b> , 31, 3135-3141	4	35
139	Differential-pressure-based fiber-optic temperature sensor using Fabry-Perot interferometry. <i>Optics Letters</i> , <b>2015</b> , 40, 1049-52	3	34
138	An Improved Positioning Algorithm With High Precision for Dual Mach-Zehnder Interferometry Disturbance Sensing System. <i>Journal of Lightwave Technology</i> , <b>2015</b> , 33, 1954-1960	4	34
137	Complete Characterization of Polarization-Maintaining Fibers Using Distributed Polarization Analysis. <i>Journal of Lightwave Technology</i> , <b>2015</b> , 33, 372-380	4	33
136	Polarimetric image recovery in turbid media employing circularly polarized light. <i>Optics Express</i> , <b>2018</b> , 26, 25047-25059	3.3	33
135	A High-Efficiency Multiple Events Discrimination Method in Optical Fiber Perimeter Security System. <i>Journal of Lightwave Technology</i> , <b>2015</b> , 33, 4885-4890	4	32
134	A polarized low-coherence interferometry demodulation algorithm by recovering the absolute phase of a selected monochromatic frequency. <i>Optics Express</i> , <b>2012</b> , 20, 18117-26	3.3	31
133	Fiber loop ring-down cavity integrated U-bent single-mode-fiber for magnetic field sensing. <i>Photonics Research</i> , <b>2016</b> , 4, 322	6	27
132	Noncontact Ultrasonic Detection in Low-Pressure Carbon Dioxide Medium Using High Sensitivity Fiber-Optic Fabry-Perot Sensor System. <i>Journal of Lightwave Technology</i> , <b>2017</b> , 35, 5079-5085	4	25

131	Fiber Optic Fabry-Perot Pressure Sensor With Embedded MEMS Micro-Cavity for Ultra-High Pressure Detection. <i>Journal of Lightwave Technology</i> , <b>2019</b> , 37, 2719-2725	4	24
130	Enhancing Visibility of Polarimetric Underwater Image by Transmittance Correction. <i>IEEE Photonics Journal</i> , <b>2017</b> , 9, 1-10	1.8	23
129	Probabilistic Event Discrimination Algorithm for Fiber Optic Perimeter Security Systems. <i>Journal of Lightwave Technology</i> , <b>2018</b> , 36, 2069-2075	4	22
128	Distributed refractive index sensing based on tapered fibers in optical frequency domain reflectometry. <i>Optics Express</i> , <b>2018</b> , 26, 13042-13054	3.3	21
127	A Quantitative Robustness Evaluation Model for Optical Fiber Sensor Networks. <i>Journal of Lightwave Technology</i> , <b>2013</b> , 31, 1240-1246	4	21
126	High-accuracy hybrid fiber-optic Fabry-Pérot sensor based on MEMS for simultaneous gas refractive-index and temperature sensing. <i>Optics Express</i> , <b>2019</b> , 27, 4204-4215	3.3	20
125	Zero-fringe demodulation method based on location-dependent birefringence dispersion in polarized low-coherence interferometry. <i>Optics Letters</i> , <b>2014</b> , 39, 1827-30	3	19
124	A Continuous Wavelet Transform Based Time Delay Estimation Method for Long Range Fiber Interferometric Vibration Sensor. <i>Journal of Lightwave Technology</i> , <b>2016</b> , 34, 3785-3789	4	19
123	Optimization of instrument matrix for Mueller matrix ellipsometry based on partial elements analysis of the Mueller matrix. <i>Optics Express</i> , <b>2017</b> , 25, 18872-18884	3.3	18
122	Configurable Filter-Based Endpoint Detection in DMZI Vibration System. <i>IEEE Photonics Technology Letters</i> , <b>2014</b> , 26, 1956-1959	2.2	18
121	High accuracy polarization measurements using binary polarization rotators. <i>Optics Express</i> , <b>2010</b> , 18, 6667-85	3.3	18
120	Polarimetric target detection under uneven illumination. <i>Optics Express</i> , <b>2015</b> , 23, 23603-12	3.3	17
119	Optimal distribution of integration time for intensity measurements in Stokes polarimetry. <i>Optics Express</i> , <b>2015</b> , 23, 27690-9	3.3	17
118	. <i>IEEE Photonics Journal</i> , <b>2017</b> , 9, 1-12	1.8	16
117	Distributed Strain and Temperature Discrimination Using Two Types of Fiber in OFDR. <i>IEEE Photonics Journal</i> , <b>2016</b> , 8, 1-8	1.8	14
116	Phase demodulation method based on a dual-identical-chirped-pulse and weak fiber Bragg gratings for quasi-distributed acoustic sensing. <i>Photonics Research</i> , <b>2020</b> , 8, 1093	6	14
115	MoSe <sub>2</sub> -Au Based Sensitivity Enhanced Optical Fiber Surface Plasmon Resonance Biosensor for Detection of Goat-Anti-Rabbit IgG. <i>IEEE Access</i> , <b>2020</b> , 8, 660-668	3.5	14
114	A Self-Healing Passive Fiber Bragg Grating Sensor Network. <i>Journal of Lightwave Technology</i> , <b>2015</b> , 33, 2062-2067	4	13

113	Theoretical modeling of a coupled plasmon waveguide resonance sensor based on multimode optical fiber. <i>Optics Communications</i> , <b>2018</b> , 410, 552-558	2	13
112	Magnetic Field Sensing Based on a Ferrofluid-Coated Multimode Interferometer in a Fiber-Loop Ring-Down Cavity. <i>IEEE Sensors Journal</i> , <b>2018</b> , 18, 3206-3210	4	12
111	Optical fiber Fabry-Perot interferometer based on phase-shifting technique and birefringence crystals. <i>Optics Express</i> , <b>2018</b> , 26, 21606-21614	3.3	12
110	Birefringence dispersion compensation demodulation algorithm for polarized low-coherence interferometry. <i>Optics Letters</i> , <b>2013</b> , 38, 3169-72	3	12
109	All-silicon dual-cavity fiber-optic pressure sensor with ultralow pressure-temperature cross-sensitivity and wide working temperature range. <i>Photonics Research</i> , <b>2021</b> , 9, 521	6	12
108	An EMD-Based Filtering Algorithm for the Fiber-Optic SPR Sensor. <i>IEEE Photonics Journal</i> , <b>2016</b> , 8, 1-8	1.8	11
107	High Sensitivity Fiber Optic SPR Refractive Index Sensor Based on Multimode-No-Core-Multimode Structure. <i>IEEE Sensors Journal</i> , <b>2020</b> , 20, 2967-2975	4	11
106	High Sensitivity Distributed Static Strain Sensing Based on Differential Relative Phase in Optical Frequency Domain Reflectometry. <i>Journal of Lightwave Technology</i> , <b>2020</b> , 38, 5825-5836	4	11
105	Self-marked HCN gas based FBG demodulation in thermal cycling process for aerospace environment. <i>Optics Express</i> , <b>2018</b> , 26, 22944-22953	3.3	11
104	Self-Filtering High-Resolution Dual-Sapphire-Fiber-Based High-Temperature Sensor. <i>Journal of Lightwave Technology</i> , <b>2019</b> , 37, 1408-1414	4	10
103	A Simple and Effective Demodulation Method for Polarized Low-Coherence Interferometry. <i>IEEE Photonics Technology Letters</i> , <b>2012</b> , 24, 1390-1392	2.2	10
102	Waveguide-integrated graphene spatial mode filters for on-chip mode-division multiplexing. <i>Optics Express</i> , <b>2019</b> , 27, 19188-19195	3.3	10
101	Frequency Demodulation of Dynamic Stress Based on Distributed Polarization Coupling System. <i>Journal of Lightwave Technology</i> , <b>2018</b> , 36, 2094-2099	4	9
100	Adaptive Speckle Reduction in OCT Volume Data Based on Block-Matching and 3-D Filtering. <i>IEEE Photonics Technology Letters</i> , <b>2012</b> , 24, 1802-1804	2.2	9
99	An Improved Positioning Algorithm in a Long-Range Asymmetric Perimeter Security System. <i>Journal of Lightwave Technology</i> , <b>2016</b> , 34, 5278-5283	4	9
98	Optical Current Sensor With Dual-Wavelength Configuration for Improving Temperature Robustness. <i>IEEE Photonics Journal</i> , <b>2017</b> , 9, 1-10	1.8	8
97	Temperature Insensitive and Integrated Differential Pressure Sensor for Liquid Level Sensing Based on an Optical Fiber Fabry-Perot Interferometer. <i>IEEE Photonics Journal</i> , <b>2018</b> , 10, 1-8	1.8	8
96	A Compact Fiber Optic Fabry-Perot Sensor for Simultaneous Measurement of Acoustic and Temperature. <i>IEEE Photonics Journal</i> , <b>2019</b> , 11, 1-10	1.8	8

95	Non-destructive residual pressure self-measurement method for the sensing chip of optical Fabry-Perot pressure sensor. <i>Optics Express</i> , <b>2017</b> , 25, 31937-31947	3.3	8
94	Theory of autocalibration feasibility and precision in full Stokes polarization imagers. <i>Optics Express</i> , <b>2020</b> , 28, 15268-15283	3.3	8
93	Optical fiber laser refractometer based on an open microcavity Mach-Zehnder interferometer with an ultra-low detection limit. <i>Optics Express</i> , <b>2020</b> , 28, 30570-30585	3.3	8
92	Distributed single fiber optic vibration sensing with high frequency response and multi-points accurate location. <i>Optics and Lasers in Engineering</i> , <b>2020</b> , 129, 106060	4.6	7
91	Orthogonal Phase Demodulation of Optical Fiber Fabry-Perot Interferometer Based on Birefringent Crystals and Polarization Technology. <i>IEEE Photonics Journal</i> , <b>2020</b> , 12, 1-9	1.8	7
90	A fast positioning algorithm for the asymmetric dual Mach-Zehnder interferometric infrared fiber vibration sensor. <i>Infrared Physics and Technology</i> , <b>2017</b> , 85, 359-363	2.7	7
89	Fiber optical temperature compensated anemometer based on dual Fabry-Perot sensors with sealed cavity. <i>Optics Express</i> , <b>2019</b> , 27, 18157-18168	3.3	7
88	Flywheel-like diaphragm-based fiber-optic Fabry-Perot frequency tailored acoustic sensor. <i>Journal Physics D: Applied Physics</i> , <b>2020</b> , 53, 415102	3	7
87	High-Resolution Temperature Sensor Based on Intracavity Sensing of Fiber Ring Laser. <i>Journal of Lightwave Technology</i> , <b>2020</b> , 38, 2010-2014	4	7
86	Pseudo-polarimetric Method for Dense Haze Removal. <i>IEEE Photonics Journal</i> , <b>2019</b> , 11, 1-11	1.8	7
85	Refractive Index Sensor Based on Graphene Oxide-Coated Long-Period Fiber Grating Inscribed in a Two-Mode Fiber. <i>IEEE Access</i> , <b>2020</b> , 8, 109028-109037	3.5	6
84	Event Discrimination of Fiber Disturbance Based on Filter Bank in DMZI Sensing System. <i>IEEE Photonics Journal</i> , <b>2016</b> , 8, 1-14	1.8	6
83	Demonstration of Compact In situ Mueller-Matrix Polarimetry Based on Binary Polarization Rotators. <i>IEEE Access</i> , <b>2019</b> , 7, 144561-144571	3.5	6
82	Polarized low-coherence interferometer based on a matrix CCD and birefringence crystal with a two-dimensional angle. <i>Optics Express</i> , <b>2017</b> , 25, 15977-15986	3.3	6
81	High-Efficiency Endpoint Detection in Optical Fiber Perimeter Security. <i>Journal of Lightwave Technology</i> , <b>2016</b> , 34, 5049-5055	4	6
80	Automatic underwater polarization imaging without background region or any prior. <i>Optics Express</i> , <b>2021</b> , 29, 31283-31295	3.3	6
79	Birefringence-Dispersion-Induced Frequency Domain Nonlinearity Compensation for Polarized Low-Coherence Interferometry Demodulation. <i>Journal of Lightwave Technology</i> , <b>2015</b> , 33, 4842-4848	4	5
78	Dual-Frequency CARS Excitation Source With Two Independent-Tunable Stokes Wavelengths Using PM-PCF and Vector Adjustment. <i>Journal of Lightwave Technology</i> , <b>2020</b> , 38, 2392-2399	4	5

77	An Approach for Increasing User Capacity of OCDMA System Based on Vernier Effect. <i>Journal of Lightwave Technology</i> , <b>2016</b> , 34, 4877-4883	4	5
76	Long-Sensing-Length Strain Sensor Based on Optical Fiber Fabry-Perot Interferometer With HCF-SMF Structure. <i>IEEE Photonics Journal</i> , <b>2019</b> , 11, 1-8	1.8	5
75	Wall-thickness-controlled microbubble fabrication for WGM-based application. <i>Applied Optics</i> , <b>2020</b> , 59, 5052-5057	1.7	5
74	All optic-fiber coupled plasmon waveguide resonance sensor using ZrS based dielectric layer. <i>Optics Express</i> , <b>2020</b> , 28, 11280-11289	3.3	5
73	Graphene-based dual-mode modulators. <i>Optics Express</i> , <b>2020</b> , 28, 18456-18471	3.3	5
72	Method of damage location determination based on a neural network using a single fiber Bragg grating sensor. <i>Applied Optics</i> , <b>2019</b> , 58, 7251-7257	1.7	5
71	Distributed fiber optic vibration sensing with wide dynamic range, high frequency response, and multi-points accurate location. <i>Optics and Laser Technology</i> , <b>2020</b> , 124, 105966	4.2	5
70	A Novel Mach-Zehnder Interferometric Temperature Sensor Based on a Symmetrical Double-Grooved Structure. <i>IEEE Sensors Journal</i> , <b>2020</b> , 20, 14850-14856	4	5
69	Variational Mode Decomposition-Based Event Recognition in Perimeter Security Monitoring With Fiber Optic Vibration Sensor. <i>IEEE Access</i> , <b>2019</b> , 7, 182580-182587	3.5	5
68	Hybrid Sapphire Dual-Fabry-Perot-Cavities Sensor for High Temperature and Refractive Index Measurement. <i>Journal of Lightwave Technology</i> , <b>2021</b> , 39, 3911-3918	4	5
67	An Improved Polarization Compensation Method for Interferometric Fiber-Optic Intrusion Sensors. <i>IEEE Photonics Technology Letters</i> , <b>2017</b> , 29, 834-837	2.2	4
66	An S-transform-Based Positioning Method for Asymmetric Interferometer Disturbance Sensors. <i>Journal of Lightwave Technology</i> , <b>2019</b> , 37, 3201-3207	4	4
65	Multispectral Stokes Imaging Polarimetry Based on Color CCD. <i>IEEE Photonics Journal</i> , <b>2016</b> , 8, 1-10	1.8	4
64	An Optical Fiber-Based Data-Driven Method for Human Skin Temperature 3-D Mapping. <i>IEEE Journal of Biomedical and Health Informatics</i> , <b>2019</b> , 23, 1141-1150	7.2	4
63	Colorimetric discrimination for Stokes polarimetric imaging. <i>Optics Express</i> , <b>2017</b> , 25, 3765-3773	3.3	4
62	Deployment Optimization for One-Dimensional Optical Fiber Sensor Networks. <i>Journal of Lightwave Technology</i> , <b>2015</b> , 33, 2997-3004	4	4
61	Multimode interferometer-based torsion sensor employing perfluorinated polymer optical fiber. <i>Optics Express</i> , <b>2019</b> , 27, 28123-28132	3.3	4
60	Multi-layer optical fiber surface plasmon resonance biosensor based on a sandwich structure of polydopamine-MoSe@Au nanoparticles-polydopamine. <i>Biomedical Optics Express</i> , <b>2020</b> , 11, 6840-6851	3.5	4

59	An Event Recognition Scheme Aiming to Improve Both Accuracy and Efficiency in Optical Fiber Perimeter Security System. <i>Journal of Lightwave Technology</i> , <b>2020</b> , 38, 5783-5790	4	4
58	High-Sensitivity Temperature Sensor Based on Microsphere Cavity in Super Larger Thermo-Optic Coefficient Germanium-core Fiber. <i>IEEE Access</i> , <b>2019</b> , 7, 182658-182663	3.5	4
57	Catheter-Based Polarization Sensitive Optical Coherence Tomography Using Similar Mueller Matrix Method. <i>IEEE Transactions on Biomedical Engineering</i> , <b>2020</b> , 67, 60-68	5	4
56	Underwater imaging enhancement based on a polarization filter and histogram attenuation prior. <i>Journal Physics D: Applied Physics</i> , <b>2021</b> , 54, 175102	3	4
55	Liquid crystal-amplified optofluidic biosensor for ultra-highly sensitive and stable protein assay. <i>Photonix</i> , <b>2021</b> , 2, 18	19	4
54	An Improved Optical Fiber Remote Sensing Method Based on Polarized Low-Coherence Interferometry. <i>IEEE Photonics Journal</i> , <b>2018</b> , 10, 1-9	1.8	3
53	Femtosecond Pulse Temporal Overlap Estimation and Adjustment in SSFS-Based CARS System. <i>IEEE Access</i> , <b>2019</b> , 7, 131317-131325	3.5	3
52	Temperature Compensation of Optical Fiber Current Sensors With a Static Bias. <i>IEEE Sensors Journal</i> , <b>2021</b> , 1-1	4	3
51	High Accuracy and Real-Time Positioning Using MODWT for Long Range Asymmetric Interferometer Vibration Sensors. <i>Journal of Lightwave Technology</i> , <b>2021</b> , 39, 2205-2214	4	3
50	Ultrasensitive Label-Free Biosensor Based on the Graphene-Oxide-Coated-U-Bent Long-Period Fiber Grating Inscribed in a Two-Mode Fiber. <i>Journal of Lightwave Technology</i> , <b>2021</b> , 39, 4013-4019	4	3
49	Demonstration of Large Curvature Radius Shape Sensing Using Optical Frequency Domain Reflectometry in Multi-Core Fibers. <i>IEEE Photonics Journal</i> , <b>2021</b> , 13, 1-9	1.8	3
48	Optical Fiber Distributed Vibration Sensing Using Grayscale Image and Multi-Class Deep Learning Framework for Multi-Event Recognition. <i>IEEE Sensors Journal</i> , <b>2021</b> , 21, 19112-19120	4	3
47	A FBG-OCT Catheter to Reconstruct Vascular Shape in Intravascular Optical Coherence Tomography. <i>IEEE Photonics Technology Letters</i> , <b>2019</b> , 31, 701-704	2.2	2
46	Evaluation Parameter for Self-Healing FBG Sensor Networks After Multiple Fiber Failures. <i>IEEE Photonics Journal</i> , <b>2015</b> , 7, 1-7	1.8	2
45	Compact Vectorial Transverse Force Sensor Based on Two-Modal Interference in a Few-Mode Seven-Core Fiber. <i>Journal of Lightwave Technology</i> , <b>2020</b> , 38, 2046-2052	4	2
44	Chaotic ultra-wideband over fiber link based on optical feedback laser diode. <i>Microwave and Optical Technology Letters</i> , <b>2013</b> , 55, 1504-1507	1.2	2
43	GPU-based fast processing for a distributed acoustic sensor using an LFM pulse. <i>Applied Optics</i> , <b>2020</b> , 59, 11098-11103	1.7	2
42	Composite wavelength tuning for precision Raman resonance in soliton self-frequency shift-based coherent anti-Stokes Raman scattering. <i>Applied Physics Express</i> , <b>2020</b> , 13, 092002	2.4	2

41	Highly Sensitive Temperature Sensor Based on Hollow Microsphere for Ocean Application. <i>IEEE Photonics Journal</i> , <b>2019</b> , 11, 1-8	1.8	2
40	Ultra-high-Resolution Optical Fiber Thermometer Based on Microcavity Opto-Mechanical Oscillation. <i>Advanced Photonics Research</i> , 2200052	1.9	2
39	A Demodulation Method of Spatial Domain for Low-Coherence Interferometry With High Accuracy and Adaptability. <i>IEEE Photonics Journal</i> , <b>2020</b> , 12, 1-11	1.8	1
38	Fringe-Distortion-Correction for Polarized Low-Coherence Interferometry With Phosphor-Based LED. <i>Journal of Lightwave Technology</i> , <b>2019</b> , 37, 3557-3562	4	1
37	High-consistency fiber-optic Fabry-Perot sensor based on MEMS for simultaneous temperature and liquid refractive index measurement. <i>Applied Optics</i> , <b>2020</b> , 59, 9353-9358	0.2	1
36	Is Ge an excellent material for mid-IR Kerr frequency combs around 3 $\mu$ m wavelengths. <i>Journal of Lightwave Technology</i> , <b>2021</b> , 1-1	4	1
35	Reflective SFT-FBG Hybrid Micro-Probe for Simultaneous Measurement of Relative Humidity and Temperature. <i>IEEE Photonics Journal</i> , <b>2022</b> , 14, 1-6	1.8	1
34	Real-Time Pressure Measurement Method Based on Rapid Phase Demodulation of Multi-Cavities F-P Sensor. <i>IEEE Sensors Journal</i> , <b>2021</b> , 1-1	4	1
33	Cryogen adaptive and integrated differential pressure sensor for level sensing based on an optical Fabry-Perot interferometer. <i>Applied Optics</i> , <b>2020</b> , 59, 2457-2461	1.7	1
32	Virtual-block-array phase analysis for distributed acoustic sensors with a high signal-to-noise ratio reconstruction waveform. <i>Optics Express</i> , <b>2020</b> , 28, 24577-24585	3.3	1
31	Dual-Mode GVD Tailoring in a Convex Waveguide. <i>IEEE Photonics Journal</i> , <b>2020</b> , 12, 1-6	1.8	1
30	Review of Fiber Mechanical and Thermal Multi-Parameter Measurement Technologies and Instrumentation. <i>Journal of Lightwave Technology</i> , <b>2021</b> , 39, 3724-3739	4	1
29	Theoretical and Experimental Investigation of an All-Fiber Waveguide Coupled Surface Plasmon Resonance Sensor With Au <sub>2</sub> NiO <sub>2</sub> Au Sandwich Structure. <i>IEEE Access</i> , <b>2019</b> , 7, 169961-169968	3.5	1
28	Experimental and analytical investigation of LP01-LP11 mode interference. <i>Optical Fiber Technology</i> , <b>2018</b> , 46, 258-264	2.4	1
27	Underwater Imaging by Suppressing the Backscattered Light Based on Mueller Matrix. <i>IEEE Photonics Journal</i> , <b>2021</b> , 13, 1-6	1.8	1
26	GPU-based Real-time Distributed Dynamic Strain Sensing in Optical Frequency Domain Reflectometry. <i>IEEE Sensors Journal</i> , <b>2021</b> , 1-1	4	1
25	The Correction of Nonlinearity in Wavelength Scanning Based on Long-OPD Interferometer for Fiber Bragg Grating Demodulation in Environment With Variable Temperature. <i>IEEE Photonics Journal</i> , <b>2020</b> , 12, 1-10	1.8	0
24	Simultaneous Detection of Mixed Gases Based on Overlapped Spectra Separation With SLIDT. <i>IEEE Photonics Technology Letters</i> , <b>2015</b> , 27, 794-797	2.2	0



23	Data augmentation of optical time series signals for small samples. <i>Applied Optics</i> , <b>2020</b> , 59, 8848-8855	1.7	o
22	Environment-Robust Polarization-Based Phase-Shift Dynamic Demodulation Method for Optical Fiber Acoustic Sensor. <i>IEEE Photonics Journal</i> , <b>2022</b> , 14, 1-8	1.8	o
21	Dynamic Phase Extraction in An Ameliorated Distributed Vibration Sensor Using A Highly Stable Homodyne Detection. <i>IEEE Sensors Journal</i> , <b>2021</b> , 1-1	4	o
20	Mechanical Filter-Based Differential Pressure Fiber-Optic Fabry-Perot Infrasonic Sensor. <i>IEEE Photonics Journal</i> , <b>2021</b> , 13, 1-10	1.8	o
19	Two-dimensional distributed strain sensing with an Archimedean spiral arrangement in optical frequency domain reflectometry. <i>Nami Jishu Yu Jingmi Gongcheng/Nanotechnology and Precision Engineering</i> , <b>2018</b> , 1, 187-190	2.4	o
18	Simultaneous Measurement of Pressure and Temperature Based on Adjustable Line Scanning Polarized Low-Coherence Interferometry With Compensation Plate. <i>IEEE Photonics Journal</i> , <b>2018</b> , 10, 1-9	1.8	o
17	Analysis and reduction of noise-induced depolarization in catheter based polarization sensitive optical coherence tomography.. <i>Optics Express</i> , <b>2022</b> , 30, 11130-11149	3.3	o
16	Design of a Graphene-Enabled Dual-Mode Kerr Frequency Comb. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , <b>2022</b> , 28, 1-7	3.8	o
15	Rapid and wide-range pressure measurement at high-temperature using an intensity-compensation interrogation method. <i>Optics and Lasers in Engineering</i> , <b>2022</b> , 157, 107116	4.6	o
14	Joint Noise Reduction for Contrast Enhancement in Stokes Polarimetric Imaging. <i>IEEE Photonics Journal</i> , <b>2019</b> , 11, 1-10	1.8	
13	Force sensing based on distributed polarization coupling in polarization-maintaining fiber using finite element method. <i>Optical Fiber Technology</i> , <b>2020</b> , 58, 102290	2.4	
12	Weak Coupling Point Detection in Distributed Polarization Coupling Measurement Based on Variational Mode Decomposition. <i>Journal of Lightwave Technology</i> , <b>2020</b> , 1-1	4	
11	Comparison of similar Mueller and Jones matrix method in catheter based polarization sensitive optical coherence tomography. <i>Optics and Laser Technology</i> , <b>2022</b> , 147, 107691	4.2	
10	Distributed Vibration Sensing Based on Dual Mach-Zehnder Interferometer <b>2022</b> , 537-593		
9	Optical Fiber Sensors Based on the SMS Structure <b>2022</b> , 303-344		
8	Whisper-Gallery-Mode-Based Hollow Microcavity Optical Fiber Sensing Technology <b>2022</b> , 345-381		
7	Extrinsic Fabry Perot Interferometer-Based Optical Fiber Acoustic Sensing Technology <b>2022</b> , 137-168		
6	Extrinsic Fabry Perot Interferometer-Based Optical Fiber High-Temperature Sensing Technology <b>2022</b> , 169-205		

5 Distributed Sensing Based on Optical Frequency-Domain Reflectometry **2022**, 709-769

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