Tiegen Liu

List of Publications by Citations

146 papers	1,402 citations	21 h-index	30 g-index
156 ext. papers	1,956 ext. citations	2.9 avg, IF	4.7 L-index

#	Paper	IF	Citations
146	Distributed Optical Fiber Sensors Based on Optical Frequency Domain Reflectometry: A review. *Sensors*, **2018**, 18,	3.8	111
145	Generation of Broadband Chaotic Laser Using Dual-Wavelength Optically Injected Fabry-Pérot Laser Diode With Optical Feedback. *IEEE Photonics Technology Letters*, **2011**, 23, 1872-1874	2.2	48
144	Long-Range Distributed Fiber Vibration Sensor Using an Asymmetric Dual Mach-Zehnder Interferometers. *Journal of Lightwave Technology*, **2016**, 34, 2235-2239	4	45
143	A Hybrid Multimode Interference Structure-Based Refractive Index and Temperature Fiber Sensor. *IEEE Sensors Journal*, **2016**, 16, 331-335	4	40
142	Batch-Producible Fiber-Optic Fabry-Pérot Sensor for Simultaneous Pressure and Temperature Sensing. *IEEE Photonics Technology Letters*, **2014**, 26, 2070-2073	2.2	39
141	Underwater Image Recovery Under the Nonuniform Optical Field Based on Polarimetric Imaging. *IEEE Photonics Journal*, **2018**, 10, 1-9	1.8	38
140	Polarimetric image recovery method combining histogram stretching for underwater imaging. *Scientific Reports*, **2018**, 8, 12430	4.9	36
139	An Elimination Method of Polarization-Induced Phase Shift and Fading in Dual Mach-Zehnder Interferometry Disturbance Sensing System. *Journal of Lightwave Technology*, **2013**, 31, 3135-3141	4	35
138	An Improved Positioning Algorithm With High Precision for Dual Mach-Zehnder Interferometry Disturbance Sensing System. *Journal of Lightwave Technology*, **2015**, 33, 1954-1960	4	34
137	A Modified Empirical Mode Decomposition Algorithm in TDLAS for Gas Detection. *IEEE Photonics Journal*, **2014**, 6, 1-7	1.8	34
136	All-fiber-optic vector magnetometer based on anisotropic magnetism-manipulation of ferromagnetism nanoparticles. *Applied Physics Letters*, **2017**, 110, 231104	3.4	33
135	Complete Characterization of Polarization-Maintaining Fibers Using Distributed Polarization Analysis. *Journal of Lightwave Technology*, **2015**, 33, 372-380	4	33
134	Simultaneous Measurement of Refractive Index and Temperature Using a Cascaded FBG/Droplet-Like Fiber Structure. *IEEE Sensors Journal*, **2015**, 15, 6432-6436	4	29
133	Investigation of Wavelength Modulation and Wavelength Sweep Techniques in Intracavity Fiber Laser for Gas Detection. *Journal of Lightwave Technology*, **2011**, 29, 15-21	4	28
132	Magnetic-Fluid-Coated Photonic Crystal Fiber and FBG for Magnetic Field and Temperature Sensing. *IEEE Photonics Technology Letters*, **2016**, 28, 2665-2668	2.2	27
131	Long Measurement Range OFDR Beyond Laser Coherence Length. *IEEE Photonics Technology Letters*, **2013**, 25, 202-205	2.2	26
130	Humidity Sensor Based on Fabry-Perot Interferometer and Intracavity Sensing of Fiber Laser. *Journal of Lightwave Technology*, **2017**, 35, 4789-4795	4	25

129	Fiber Optic Fabry-Perot Pressure Sensor With Embedded MEMS Micro-Cavity for Ultra-High Pressure Detection. *Journal of Lightwave Technology*, **2019**, 37, 2719-2725	4	24
128	Probabilistic Event Discrimination Algorithm for Fiber Optic Perimeter Security Systems. *Journal of Lightwave Technology*, **2018**, 36, 2069-2075	4	22
127	Bio-electrostatic sensitive droplet lasers for molecular detection. *Nanoscale Advances*, **2020**, 2, 2713-2719	5.1	21
126	Cryogenic Temperature Measurement Using Rayleigh Backscattering Spectra Shift by OFDR. *IEEE Photonics Technology Letters*, **2014**, 26, 1150-1153	2.2	21
125	An All-Fiber Optic Current Sensor Based on Ferrofluids and Multimode Interference. *IEEE Sensors Journal*, **2014**, 14, 1749-1753	4	20
124	Temperature-Compensated Magnetostrictive Current Sensor Based on the Configuration of Dual Fiber Bragg Gratings. *Journal of Lightwave Technology*, **2017**, 35, 4910-4915	4	20
123	Distributed Optical Fiber Current Sensor Based on Magnetostriction in OFDR. *IEEE Photonics Technology Letters*, **2015**, 27, 2055-2058	2.2	19
122	Assembly-Free-Based Fiber-Optic Micro-Michelson Interferometer for High Temperature Sensing. *IEEE Photonics Technology Letters*, **2016**, 28, 625-628	2.2	19
121	A Continuous Wavelet Transform Based Time Delay Estimation Method for Long Range Fiber Interferometric Vibration Sensor. *Journal of Lightwave Technology*, **2016**, 34, 3785-3789	4	19
120	Configurable Filter-Based Endpoint Detection in DMZI Vibration System. *IEEE Photonics Technology Letters*, **2014**, 26, 1956-1959	2.2	18
119	Magnetic Field Sensor Based on Ferrofluid and Photonic Crystal Fiber With Offset Fusion Splicing. *IEEE Photonics Technology Letters*, **2016**, 28, 2043-2046	2.2	16
118	Measurements of the thermal coefficient of optical attenuation at different depth regions of in vivo human skins using optical coherence tomography: a pilot study. *Biomedical Optics Express*, **2015**, 6, 500-13	3.5	14
117	On-Chip Optical Gas Sensors Based on Group-IV Materials. *ACS Photonics*, **2020**, 7, 2923-2940	6.3	14
116	Distributed Strain and Temperature Discrimination Using Two Types of Fiber in OFDR. *IEEE Photonics Journal*, **2016**, 8, 1-8	1.8	14
115	MoSe2-Au Based Sensitivity Enhanced Optical Fiber Surface Plasmon Resonance Biosensor for Detection of Goat-Anti-Rabbit IgG. *IEEE Access*, **2020**, 8, 660-668	3.5	14
114	A De-Noising Algorithm Based on EEMD in Raman-Based Distributed Temperature Sensor. *IEEE Sensors Journal*, **2017**, 17, 134-138	4	13
113	Magnetic Field and Temperature Sensing Based on a Macro-Bending Fiber Structure and an FBG. *IEEE Sensors Journal*, **2016**, 16, 7659-7662	4	13
112	Theoretical modeling of a coupled plasmon waveguide resonance sensor based on multimode optical fiber. *Optics Communications*, **2018**, 410, 552-558	2	13

111	Magnetic Field Sensing Based on a Ferrofluid-Coated Multimode Interferometer in a Fiber-Loop Ring-Down Cavity. *IEEE Sensors Journal*, **2018**, 18, 3206-3210	4	12
110	Automatic Lumen Segmentation in Intravascular Optical Coherence Tomography Using Morphological Features. *IEEE Access*, **2019**, 7, 88859-88869	3.5	11
109	High Sensitivity Fiber Optic SPR Refractive Index Sensor Based on Multimode-No-Core-Multimode Structure. *IEEE Sensors Journal*, **2020**, 20, 2967-2975	4	11
108	High Sensitivity Distributed Static Strain Sensing Based on Differential Relative Phase in Optical Frequency Domain Reflectometry. *Journal of Lightwave Technology*, **2020**, 38, 5825-5836	4	11
107	Temperature Self-Compensation High-Resolution Refractive Index Sensor Based on Fiber Ring Laser. *IEEE Photonics Technology Letters*, **2017**, 29, 1743-1746	2.2	10
106	Self-Filtering High-Resolution Dual-Sapphire-Fiber-Based High-Temperature Sensor. *Journal of Lightwave Technology*, **2019**, 37, 1408-1414	4	10
105	Tomographic Inspection of Fiber Coils Using Optical Coherence Tomography. *IEEE Photonics Technology Letters*, **2015**, 27, 549-552	2.2	10
104	A Simple and Effective Demodulation Method for Polarized Low-Coherence Interferometry. *IEEE Photonics Technology Letters*, **2012**, 24, 1390-1392	2.2	10
103	Numerical methods for high-power Er/Yb-codoped fiber amplifiers. *Optical and Quantum Electronics* , **2015**, 47, 2199-2212	2.4	9
102	Fiber Optic Magnetic Field Sensor Based on Magnetic Nanoparticle Assembly in Microcapillary Ring Resonator. *IEEE Photonics Journal*, **2017**, 9, 1-9	1.8	9
101	Ultraprecise Resonance Wavelength Determination for Optofluidic Sensing Applications. *IEEE Photonics Technology Letters*, **2015**, 27, 399-402	2.2	9
100	Reflective all-fiber current sensor based on magnetic fluids. *Review of Scientific Instruments*, **2014**, 85, 083107	1.7	9
99	Performance characterization of fiber Bragg grating thermal response in space vacuum thermal environment. *Review of Scientific Instruments*, **2013**, 84, 123107	1.7	9
98	Electrowetting lens with large aperture and focal length tunability. *Scientific Reports*, **2020**, 10, 16318	4.9	9
97	Note: Improving distributed strain sensing sensitivity in OFDR by reduced-cladding single mode fiber. *Review of Scientific Instruments*, **2016**, 87, 126106	1.7	9
96	An Improved Positioning Algorithm in a Long-Range Asymmetric Perimeter Security System. *Journal of Lightwave Technology*, **2016**, 34, 5278-5283	4	9
95	Optical Current Sensor With Dual-Wavelength Configuration for Improving Temperature Robustness. *IEEE Photonics Journal*, **2017**, 9, 1-10	1.8	8
94	Temperature Insensitive and Integrated Differential Pressure Sensor for Liquid Level Sensing Based on an Optical Fiber Fabry–Perot Interferometer. *IEEE Photonics Journal*, **2018**, 10, 1-8	1.8	8

93	A High-Precision Wavelength Demodulation Method Based on Optical Fiber Fabry-Perot Tunable Filter. *IEEE Access*, **2018**, 6, 45983-45989	3.5	8
92	Robustness Analysis Based on Optical Fiber Sensor Networks Topology. *IEEE Sensors Journal*, **2015**, 15, 1388-1394	4	7
91	Orthogonal Phase Demodulation of Optical Fiber Fabry-Perot Interferometer Based on Birefringent Crystals and Polarization Technology. *IEEE Photonics Journal*, **2020**, 12, 1-9	1.8	7
90	Remote Gas Pressure Sensor Based on Fiber Ring Laser Embedded With Fabry–Pérot Interferometer and Sagnac Loop. *IEEE Photonics Journal*, **2016**, 8, 1-8	1.8	7
89	A Combined Events Recognition Scheme Using Hybrid Features in Distributed Optical Fiber Vibration Sensing System. *IEEE Access*, **2019**, 7, 105609-105616	3.5	7
88	Pseudo-polarimetric Method for Dense Haze Removal. *IEEE Photonics Journal*, **2019**, 11, 1-11	1.8	7
87	Long-Range OFDR-Based Distributed Vibration Optical Fiber Sensor by Multicharacteristics of Rayleigh Scattering. *IEEE Photonics Journal*, **2017**, 9, 1-10	1.8	6
86	Refractive Index Sensor Based on Graphene Oxide-Coated Long-Period Fiber Grating Inscribed in a Two-Mode Fiber. *IEEE Access*, **2020**, 8, 109028-109037	3.5	6
85	Event Discrimination of Fiber Disturbance Based on Filter Bank in DMZI Sensing System. *IEEE Photonics Journal*, **2016**, 8, 1-14	1.8	6
84	Demonstration of Compact In situ Mueller-Matrix Polarimetry Based on Binary Polarization Rotators. *IEEE Access*, **2019**, 7, 144561-144571	3.5	6
83	Self-Referenced Residual Pressure Measurement Method for Fiber-Optic Pressure Sensor Chip. *IEEE Photonics Technology Letters*, **2014**, 26, 957-960	2.2	6
82	Refractometric Sensitivity Enhancement of Weakly Tilted Fiber Bragg Grating Integrated with Black Phosphorus. *Nanomaterials*, **2020**, 10,	5.4	6
81	High-Efficiency Endpoint Detection in Optical Fiber Perimeter Security. *Journal of Lightwave Technology*, **2016**, 34, 5049-5055	4	6
80	Temperature cross-sensitivity characteristics of singlemode-multimode-singlemode fiber structure. *Review of Scientific Instruments*, **2015**, 86, 013108	1.7	5
79	Dual-Frequency CARS Excitation Source With Two Independent-Tunable Stokes Wavelengths Using PM-PCF and Vector Adjustment. *Journal of Lightwave Technology*, **2020**, 38, 2392-2399	4	5
78	Long-Sensing-Length Strain Sensor Based on Optical Fiber Fabry-Perot Interferometer With HCF-SMF Structure. *IEEE Photonics Journal*, **2019**, 11, 1-8	1.8	5
77	Wavelength Dependence of the Sensitivity of All-Fiber Refractometers Based on the Singlemode–Multimode–Singlemode Structure. *IEEE Photonics Journal*, **2014**, 6, 1-7	1.8	5
76	All optic-fiber coupled plasmon waveguide resonance sensor using ZrS based dielectric layer. *Optics Express*, **2020**, 28, 11280-11289	3.3	5

75	Low Refractive-Index and Temperature Sensitive Torsion Sensor Based on Cascaded Long-Period Fiber Gratings Inscribed in a Four-Mode Fiber. *IEEE Access*, **2020**, 8, 82266-82272	3.5	5
74	A Novel Mach–Zehnder Interferometric Temperature Sensor Based on a Symmetrical Double-Grooved Structure. *IEEE Sensors Journal*, **2020**, 20, 14850-14856	4	5
73	Variational Mode Decomposition-Based Event Recognition in Perimeter Security Monitoring With Fiber Optic Vibration Sensor. *IEEE Access*, **2019**, 7, 182580-182587	3.5	5
72	Hybrid Sapphire Dual-Fabry–Perot-Cavities Sensor for High Temperature and Refractive Index Measurement. *Journal of Lightwave Technology*, **2021**, 39, 3911-3918	4	5
71	An Improved Polarization Compensation Method for Interferometric Fiber-Optic Intrusion Sensors. *IEEE Photonics Technology Letters*, **2017**, 29, 834-837	2.2	4
70	Influence of sample pool on interference pattern in defocused interferometric particle imaging. *Review of Scientific Instruments*, **2017**, 88, 043302	1.7	4
69	An S-transform-Based Positioning Method for Asymmetric Interferometer Disturbance Sensors. *Journal of Lightwave Technology*, **2019**, 37, 3201-3207	4	4
68	Coherent OTDR Using Flexible All-Digital Orthogonal Phase Code Pulse for Distributed Sensing. *IEEE Access*, **2020**, 8, 85395-85400	3.5	4
67	Multispectral Stokes Imaging Polarimetry Based on Color CCD. *IEEE Photonics Journal*, **2016**, 8, 1-10	1.8	4
66	Method for Improving Spatial Resolution and Amplitude by Optimized Deskew Filter in Long-Range OFDR. *IEEE Photonics Journal*, **2014**, 6, 1-11	1.8	4
65	Multi-layer optical fiber surface plasmon resonance biosensor based on a sandwich structure of polydopamine-MoSe@Au nanoparticles-polydopamine. *Biomedical Optics Express*, **2020**, 11, 6840-6851	3.5	4
64	An Event Recognition Scheme Aiming to Improve Both Accuracy and Efficiency in Optical Fiber Perimeter Security System. *Journal of Lightwave Technology*, **2020**, 38, 5783-5790	4	4
63	High-Sensitivity Temperature Sensor Based on Microsphere Cavity in Super Larger Thermo-Optic Coefficient Germanium-core Fiber. *IEEE Access*, **2019**, 7, 182658-182663	3.5	4
62	Liquid crystal-amplified optofluidic biosensor for ultra-highly sensitive and stable protein assay. *PhotoniX*, **2021**, 2, 18	19	4
61	The resilient hybrid fiber sensor network with self-healing function. *Review of Scientific Instruments*, **2015**, 86, 033111	1.7	3
60	An Improved Optical Fiber Remote Sensing Method Based on Polarized Low-Coherence Interferometry. *IEEE Photonics Journal*, **2018**, 10, 1-9	1.8	3
59	Digital Adaptive Carrier Phase Estimation in Multi-level Phase Shift Keying Coherent Optical Communication Systems **2016**,		3
58	Simultaneous shape and size measurements of irregular rough particles by an IPI system with double receivers. *Journal of Modern Optics*, **2019**, 66, 1226-1234	1.1	3

57	Femtosecond Pulse Temporal Overlap Estimation and Adjustment in SSFS-Based CARS System. *IEEE Access*, **2019**, 7, 131317-131325	3.5	3
56	Mobile robot localization and navigation system based on monocular vision. *Transactions of Tianjin University*, **2012**, 18, 335-342	2.9	3
55	Temperature Compensation of Optical Fiber Current Sensors With a Static Bias. *IEEE Sensors Journal*, **2021**, 1-1	4	3
54	Study on the Sensitization Effect of Flywheel-Like Diaphragm on Fiber-Optic Fabry-Perot Acoustic Sensor. *IEEE Access*, **2020**, 8, 99286-99293	3.5	3
53	Ultrasensitive Label-Free Biosensor Based on the Graphene-Oxide-Coated-U-Bent Long-Period Fiber Grating Inscribed in a Two-Mode Fiber. *Journal of Lightwave Technology*, **2021**, 39, 4013-4019	4	3
52	Demonstration of Large Curvature Radius Shape Sensing Using Optical Frequency Domain Reflectometry in Multi-Core Fibers. *IEEE Photonics Journal*, **2021**, 13, 1-9	1.8	3
51	Optical Fiber Distributed Vibration Sensing Using Grayscale Image and Multi-Class Deep Learning Framework for Multi-Event Recognition. *IEEE Sensors Journal*, **2021**, 21, 19112-19120	4	3
50	An Angle of Polarization (AoP) Visualization Method for DoFP Polarization Image Sensors Based on Three Dimensional HSI Color Space. *Sensors*, **2019**, 19,	3.8	2
49	A FBG-OCT Catheter to Reconstruct Vascular Shape in Intravascular Optical Coherence Tomography. *IEEE Photonics Technology Letters*, **2019**, 31, 701-704	2.2	2
48	Highly stable in-fiber integrated silica microresonator. *Applied Physics Letters*, **2020**, 116, 213504	3.4	2
47	Compact Vectorial Transverse Force Sensor Based on Two-Modal Interference in a Few-Mode Seven-Core Fiber. *Journal of Lightwave Technology*, **2020**, 38, 2046-2052	4	2
46	Liquid Lens with Large Focal Length Tunability Fabricated in a Polyvinyl Chloride/Dibutyl Phthalate Gel Tube. *Langmuir*, **2020**, 36, 1430-1436	4	2
45	An Optimized Attenuation Compensation and Contrast Enhancement Algorithm Without Pseudocharacteristics in Intravascular OCT Imaging. *IEEE Photonics Journal*, **2016**, 8, 1-9	1.8	2
44	An Automatic Baseline Extraction Algorithm for Intensity Absorption Type Gas Sensing. *Journal of Lightwave Technology*, **2013**, 31, 3582-3587	4	2
43	Nonperpendicular Incidence Induced Spatial Frequency Drift in Polarized Low-Coherence Interferometry and Its Compensation. *IEEE Photonics Journal*, **2015**, 7, 1-7	1.8	2
42	Group Delay Dispersion Measurement From a Spectral Interferogram Based on the Cubic Phase Function. *IEEE Photonics Journal*, **2014**, 6, 1-9	1.8	2
41	Photonic sensors review recent progress of fiber sensing technologies in Tianjin University. *Photonic Sensors*, **2011**, 1, 90-96	2.3	2
40	Phase Noise Cancellation in Coherent Communication Systems Using a Radio Frequency Pilot Tone. *Applied Sciences (Switzerland)*, **2019**, 9, 4717	2.6	2

39	Fiber-integrated WGM optofluidic chip enhanced by microwave photonic analyzer for cardiac biomarker detection with ultra-high resolution.. *Biosensors and Bioelectronics*, **2022**, 208, 114238	11.8	2
38	Ultrahigh-Resolution Optical Fiber Thermometer Based on Microcavity Opto-Mechanical Oscillation. *Advanced Photonics Research*,2200052	1.9	2
37	Optimal Measurement Matrix of Partial Polarimeter for Measuring Ellipsometric Parameters With Eight Intensity Measurements. *IEEE Access*, **2019**, 7, 31494-31500	3.5	1
36	A multi-channel real-time detection method for tunnel boring machine cutter wear based on Chirped Fiber Bragg Gratings. *AIP Advances*, **2019**, 9, 015312	1.5	1
35	The development of a multi-parameter heterogeneous fiber sensor network based on fiber Bragg grating and Fabry-Perot. *Review of Scientific Instruments*, **2019**, 90, 046107	1.7	1
34	Recovered HCN Absorption Spectrum-Based FBG Demodulation Method Covering the Whole C-Band for Temperature Changing Environment. *IEEE Access*, **2020**, 8, 15039-15046	3.5	1
33	Performance Enhancement of the Surface Plasmon Resonance Sensor Through the Annealing Process. *IEEE Access*, **2020**, 8, 33990-33997	3.5	1
32	A Method of HCN Gas Spectrum Denoising and Baseline Removal Used for FBG Interrogation. *IEEE Access*, **2020**, 8, 62706-62713	3.5	1
31	A Demodulation Method of Spatial Domain for Low-Coherence Interferometry With High Accuracy and Adaptability. *IEEE Photonics Journal*, **2020**, 12, 1-11	1.8	1
30	An ARIMA Based Real-time Monitoring and Warning Algorithm for the Anomaly Detection **2017**,		1
29	Frequency Measurement of Dynamic Stress in Polarization Maintaining Fibers. *IEEE Photonics Journal*, **2018**, 10, 1-11	1.8	1
28	All-optical pulse repetition frequency divider utilizing an injection-unlocked Fabry-Perot laser diode. *Microwave and Optical Technology Letters*, **2010**, 52, 2641-2643	1.2	1
27	Is Ge an excellent material for mid-IR Kerr frequency combs around 3 m wavelengths. *Journal of Lightwave Technology*, **2021**, 1-1	4	1
26	Reflective SFT-FBG Hybrid Micro-Probe for Simultaneous Measurement of Relative Humidity and Temperature. *IEEE Photonics Journal*, **2022**, 14, 1-6	1.8	1
25	Real-Time Pressure Measurement Method Based on Rapid Phase Demodulation of Multi-Cavities F-P Sensor. *IEEE Sensors Journal*, **2021**, 1-1	4	1
24	Dual-Mode GVD Tailoring in a Convex Waveguide. *IEEE Photonics Journal*, **2020**, 12, 1-6	1.8	1
23	NaYF4:Yb/Tm@SiO2-Dox/Cur-CS/OSA Nanoparticles with pH and Photon Responses. *Nanotechnology*, **2021**,	3.4	1
22	Review of Fiber Mechanical and Thermal Multi-Parameter Measurement Technologies and Instrumentation. *Journal of Lightwave Technology*, **2021**, 39, 3724-3739	4	1

21	Automatic lumen segmentation using uniqueness of vascular connected region for intravascular optical coherence tomography. *Journal of Biophotonics*, **2021**, 14, e202100124	3.1	1
20	Theoretical and Experimental Investigation of an All-Fiber Waveguide Coupled Surface Plasmon Resonance Sensor With Au–ZnO–Au Sandwich Structure. *IEEE Access*, **2019**, 7, 169961-169968	3.5	1
19	Three-dimensional spatial reconstruction of coronary arteries based on fusion of intravascular optical coherence tomography and coronary angiography. *Journal of Biophotonics*, **2021**, 14, e202000370	3.1	1
18	Underwater Imaging by Suppressing the Backscattered Light Based on Mueller Matrix. *IEEE Photonics Journal*, **2021**, 13, 1-6	1.8	1
17	GPU-based Real-time Distributed Dynamic Strain Sensing in Optical Frequency Domain Reflectometry. *IEEE Sensors Journal*, **2021**, 1-1	4	1
16	A New Method for Determining the Sampling Volume and the Number of Particles Within It for Particle Concentration Identification in Defocused Interferometric Particle Imaging. *IEEE Photonics Journal*, **2017**, 9, 1-15	1.8	0
15	The Correction of Nonlinearity in Wavelength Scanning Based on Long-OPD Interferometer for Fiber Bragg Grating Demodulation in Environment With Variable Temperature. *IEEE Photonics Journal*, **2020**, 12, 1-10	1.8	0
14	Surface modification of Cu-Cr complex by NIR and MIR laser. *Transactions of Tianjin University*, **2014**, 20, 36-41	2.9	0
13	Simultaneous Detection of Mixed Gases Based on Overlapped Spectra Separation With SLIDT. *IEEE Photonics Technology Letters*, **2015**, 27, 794-797	2.2	0
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10	Dynamic Phase Extraction in An Ameliorated Distributed Vibration Sensor Using A Highly Stable Homodyne Detection. *IEEE Sensors Journal*, **2021**, 1-1	4	0
9	Improved laser measurement using advanced techniques: A review. *Microwave and Optical Technology Letters*,	1.2	0
8	Mechanical Filter-Based Differential Pressure Fiber-Optic Fabry-Perot Infrasound Sensor. *IEEE Photonics Journal*, **2021**, 13, 1-10	1.8	0
7	An optical fiber Fabry-Perot flow measurement technology based on partial bend structure. *Review of Scientific Instruments*, **2016**, 87, 083103	1.7	0
6	A real-time parallel data acquisition and big data processing method for four-in-one optical fiber sensor network. *AIP Advances*, **2018**, 8, 075019	1.5	0
5	Simultaneous Measurement of Pressure and Temperature Based on Adjustable Line Scanning Polarized Low-Coherence Interferometry With Compensation Plate. *IEEE Photonics Journal*, **2018**, 10, 1-9	1.8	0
4	Joint Noise Reduction for Contrast Enhancement in Stokes Polarimetric Imaging. *IEEE Photonics Journal*, **2019**, 11, 1-10	1.8	

3	Weak Coupling Point Detection in Distributed Polarization Coupling Measurement Based on Variational Mode Decomposition. *Journal of Lightwave Technology*, **2020**, 1-1	4
2	Application of Fiber Bragg grating for determining positions of gas absorption lines. *Transactions of Tianjin University*, **2010**, 16, 373-375	2.9
1	A Demodulation Algorithm for Periodically In-Plane Vibrating MEMS Based on a Stroboscopic Micro-Visual System.. *Microscopy and Microanalysis*, **2022**, 28, 145-151	0.5