

# Tiegen Liu

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	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	0
145	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
144	Fiber-integrated WGM optofluidic chip enhanced by microwave photonic analyzer for cardiac biomarker detection with ultra-high resolution.. <i>Biosensors and Bioelectronics</i> , <b>2022</b> , 208, 114238	11.8	2
143	A Demodulation Algorithm for Periodically In-Plane Vibrating MEMS Based on a Stroboscopic Micro-Visual System.. <i>Microscopy and Microanalysis</i> , <b>2022</b> , 28, 145-151	0.5	
142	Temperature Compensation of Optical Fiber Current Sensors With a Static Bias. <i>IEEE Sensors Journal</i> , <b>2021</b> , 1-1	4	3
141	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
140	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
139	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	0
138	NaYF <sub>4</sub> :Yb/Tm@SiO <sub>2</sub> -Dox/Cur-CS/OSA Nanoparticles with pH and Photon Responses. <i>Nanotechnology</i> , <b>2021</b> ,	3.4	1
137	Mechanical Filter-Based Differential Pressure Fiber-Optic Fabry-Perot Infrasonic Sensor. <i>IEEE Photonics Journal</i> , <b>2021</b> , 13, 1-10	1.8	0
136	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
135	Automatic lumen segmentation using uniqueness of vascular connected region for intravascular optical coherence tomography. <i>Journal of Biophotonics</i> , <b>2021</b> , 14, e202100124	3.1	1
134	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
133	Three-dimensional spatial reconstruction of coronary arteries based on fusion of intravascular optical coherence tomography and coronary angiography. <i>Journal of Biophotonics</i> , <b>2021</b> , 14, e202000370	3.1	1
132	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
131	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
130	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

129	Liquid crystal-amplified optofluidic biosensor for ultra-highly sensitive and stable protein assay. <i>Photonix</i> , <b>2021</b> , 2, 18	19	4
128	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
127	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
126	On-Chip Optical Gas Sensors Based on Group-IV Materials. <i>ACS Photonics</i> , <b>2020</b> , 7, 2923-2940	6.3	14
125	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
124	Highly stable in-fiber integrated silica microresonator. <i>Applied Physics Letters</i> , <b>2020</b> , 116, 213504	3.4	2
123	Coherent OTDR Using Flexible All-Digital Orthogonal Phase Code Pulse for Distributed Sensing. <i>IEEE Access</i> , <b>2020</b> , 8, 85395-85400	3.5	4
122	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
121	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
120	Bio-electrostatic sensitive droplet lasers for molecular detection. <i>Nanoscale Advances</i> , <b>2020</b> , 2, 2713-2719	1	21
119	Recovered HCN Absorption Spectrum-Based FBG Demodulation Method Covering the Whole C-Band for Temperature Changing Environment. <i>IEEE Access</i> , <b>2020</b> , 8, 15039-15046	3.5	1
118	Performance Enhancement of the Surface Plasmon Resonance Sensor Through the Annealing Process. <i>IEEE Access</i> , <b>2020</b> , 8, 33990-33997	3.5	1
117	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
116	Liquid Lens with Large Focal Length Tunability Fabricated in a Polyvinyl Chloride/Dibutyl Phthalate Gel Tube. <i>Langmuir</i> , <b>2020</b> , 36, 1430-1436	4	2
115	A Method of HCN Gas Spectrum Denoising and Baseline Removal Used for FBG Interrogation. <i>IEEE Access</i> , <b>2020</b> , 8, 62706-62713	3.5	1
114	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	
113	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
112	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

111	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
110	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
109	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
108	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
107	Low Refractive-Index and Temperature Sensitive Torsion Sensor Based on Cascaded Long-Period Fiber Gratings Inscribed in a Four-Mode Fiber. <i>IEEE Access</i> , <b>2020</b> , 8, 82266-82272	3.5	5
106	Study on the Sensitization Effect of Flywheel-Like Diaphragm on Fiber-Optic Fabry-Perot Acoustic Sensor. <i>IEEE Access</i> , <b>2020</b> , 8, 99286-99293	3.5	3
105	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
104	Dual-Mode GVD Tailoring in a Convex Waveguide. <i>IEEE Photonics Journal</i> , <b>2020</b> , 12, 1-6	1.8	1
103	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
102	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
101	Electrowetting lens with large aperture and focal length tunability. <i>Scientific Reports</i> , <b>2020</b> , 10, 16318	4.9	9
100	Refractometric Sensitivity Enhancement of Weakly Tilted Fiber Bragg Grating Integrated with Black Phosphorus. <i>Nanomaterials</i> , <b>2020</b> , 10,	5.4	6
99	Optimal Measurement Matrix of Partial Polarimeter for Measuring Ellipsometric Parameters With Eight Intensity Measurements. <i>IEEE Access</i> , <b>2019</b> , 7, 31494-31500	3.5	1
98	A multi-channel real-time detection method for tunnel boring machine cutter wear based on Chirped Fiber Bragg Gratings. <i>AIP Advances</i> , <b>2019</b> , 9, 015312	1.5	1
97	The development of a multi-parameter heterogeneous fiber sensor network based on fiber Bragg grating and Fabry-Perot. <i>Review of Scientific Instruments</i> , <b>2019</b> , 90, 046107	1.7	1
96	An Angle of Polarization (AoP) Visualization Method for DoFP Polarization Image Sensors Based on Three Dimensional HSI Color Space. <i>Sensors</i> , <b>2019</b> , 19,	3.8	2
95	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
94	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

93	Joint Noise Reduction for Contrast Enhancement in Stokes Polarimetric Imaging. <i>IEEE Photonics Journal</i> , <b>2019</b> , 11, 1-10	1.8	
92	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
91	Automatic Lumen Segmentation in Intravascular Optical Coherence Tomography Using Morphological Features. <i>IEEE Access</i> , <b>2019</b> , 7, 88859-88869	3.5	11
90	Simultaneous shape and size measurements of irregular rough particles by an IPI system with double receivers. <i>Journal of Modern Optics</i> , <b>2019</b> , 66, 1226-1234	1.1	3
89	A Combined Events Recognition Scheme Using Hybrid Features in Distributed Optical Fiber Vibration Sensing System. <i>IEEE Access</i> , <b>2019</b> , 7, 105609-105616	3.5	7
88	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
87	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
86	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
85	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
84	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
83	Phase Noise Cancellation in Coherent Communication Systems Using a Radio Frequency Pilot Tone. <i>Applied Sciences (Switzerland)</i> , <b>2019</b> , 9, 4717	2.6	2
82	Theoretical and Experimental Investigation of an All-Fiber Waveguide Coupled Surface Plasmon Resonance Sensor With Au <sub>2</sub> nO <sub>2</sub> Au Sandwich Structure. <i>IEEE Access</i> , <b>2019</b> , 7, 169961-169968	3.5	1
81	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
80	Pseudo-polarimetric Method for Dense Haze Removal. <i>IEEE Photonics Journal</i> , <b>2019</b> , 11, 1-11	1.8	7
79	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
78	Probabilistic Event Discrimination Algorithm for Fiber Optic Perimeter Security Systems. <i>Journal of Lightwave Technology</i> , <b>2018</b> , 36, 2069-2075	4	22
77	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
76	Frequency Measurement of Dynamic Stress in Polarization Maintaining Fibers. <i>IEEE Photonics Journal</i> , <b>2018</b> , 10, 1-11	1.8	1

75	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
74	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
73	Distributed Optical Fiber Sensors Based on Optical Frequency Domain Reflectometry: A review. <i>Sensors</i> , <b>2018</b> , 18,	3.8	111
72	Polarimetric image recovery method combining histogram stretching for underwater imaging. <i>Scientific Reports</i> , <b>2018</b> , 8, 12430	4.9	36
71	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
70	A real-time parallel data acquisition and big data processing method for four-in-one optical fiber sensor network. <i>AIP Advances</i> , <b>2018</b> , 8, 075019	1.5	0
69	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	0
68	A High-Precision Wavelength Demodulation Method Based on Optical Fiber Fabry-Perot Tunable Filter. <i>IEEE Access</i> , <b>2018</b> , 6, 45983-45989	3.5	8
67	A New Method for Determining the Sampling Volume and the Number of Particles Within It for Particle Concentration Identification in Defocused Interferometric Particle Imaging. <i>IEEE Photonics Journal</i> , <b>2017</b> , 9, 1-15	1.8	0
66	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
65	Influence of sample pool on interference pattern in defocused interferometric particle imaging. <i>Review of Scientific Instruments</i> , <b>2017</b> , 88, 043302	1.7	4
64	A De-Noising Algorithm Based on EEMD in Raman-Based Distributed Temperature Sensor. <i>IEEE Sensors Journal</i> , <b>2017</b> , 17, 134-138	4	13
63	All-fiber-optic vector magnetometer based on anisotropic magnetism-manipulation of ferromagnetism nanoparticles. <i>Applied Physics Letters</i> , <b>2017</b> , 110, 231104	3.4	33
62	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
61	Temperature Self-Compensation High-Resolution Refractive Index Sensor Based on Fiber Ring Laser. <i>IEEE Photonics Technology Letters</i> , <b>2017</b> , 29, 1743-1746	2.2	10
60	Long-Range OFDR-Based Distributed Vibration Optical Fiber Sensor by Multicharacteristics of Rayleigh Scattering. <i>IEEE Photonics Journal</i> , <b>2017</b> , 9, 1-10	1.8	6
59	An ARIMA Based Real-time Monitoring and Warning Algorithm for the Anomaly Detection <b>2017</b> ,		1
58	Humidity Sensor Based on Fabry-Perot Interferometer and Intracavity Sensing of Fiber Laser. <i>Journal of Lightwave Technology</i> , <b>2017</b> , 35, 4789-4795	4	25

57	Temperature-Compensated Magnetostrictive Current Sensor Based on the Configuration of Dual Fiber Bragg Gratings. <i>Journal of Lightwave Technology</i> , <b>2017</b> , 35, 4910-4915	4	20
56	Fiber Optic Magnetic Field Sensor Based on Magnetic Nanoparticle Assembly in Microcapillary Ring Resonator. <i>IEEE Photonics Journal</i> , <b>2017</b> , 9, 1-9	1.8	9
55	A Hybrid Multimode Interference Structure-Based Refractive Index and Temperature Fiber Sensor. <i>IEEE Sensors Journal</i> , <b>2016</b> , 16, 331-335	4	40
54	Multispectral Stokes Imaging Polarimetry Based on Color CCD. <i>IEEE Photonics Journal</i> , <b>2016</b> , 8, 1-10	1.8	4
53	Remote Gas Pressure Sensor Based on Fiber Ring Laser Embedded With Fabry-Perot Interferometer and Sagnac Loop. <i>IEEE Photonics Journal</i> , <b>2016</b> , 8, 1-8	1.8	7
52	An Optimized Attenuation Compensation and Contrast Enhancement Algorithm Without Pseudocharacteristics in Intravascular OCT Imaging. <i>IEEE Photonics Journal</i> , <b>2016</b> , 8, 1-9	1.8	2
51	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
50	Magnetic Field and Temperature Sensing Based on a Macro-Bending Fiber Structure and an FBG. <i>IEEE Sensors Journal</i> , <b>2016</b> , 16, 7659-7662	4	13
49	Magnetic-Fluid-Coated Photonic Crystal Fiber and FBG for Magnetic Field and Temperature Sensing. <i>IEEE Photonics Technology Letters</i> , <b>2016</b> , 28, 2665-2668	2.2	27
48	Digital Adaptive Carrier Phase Estimation in Multi-level Phase Shift Keying Coherent Optical Communication Systems <b>2016</b> ,		3
47	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
46	Assembly-Free-Based Fiber-Optic Micro-Michelson Interferometer for High Temperature Sensing. <i>IEEE Photonics Technology Letters</i> , <b>2016</b> , 28, 625-628	2.2	19
45	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
44	Note: Improving distributed strain sensing sensitivity in OFDR by reduced-cladding single mode fiber. <i>Review of Scientific Instruments</i> , <b>2016</b> , 87, 126106	1.7	9
43	An optical fiber Fabry-Perot flow measurement technology based on partial bend structure. <i>Review of Scientific Instruments</i> , <b>2016</b> , 87, 083103	1.7	0
42	Magnetic Field Sensor Based on Ferrofluid and Photonic Crystal Fiber With Offset Fusion Splicing. <i>IEEE Photonics Technology Letters</i> , <b>2016</b> , 28, 2043-2046	2.2	16
41	High-Efficiency Endpoint Detection in Optical Fiber Perimeter Security. <i>Journal of Lightwave Technology</i> , <b>2016</b> , 34, 5049-5055	4	6
40	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

39	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
38	Numerical methods for high-power Er/Yb-codoped fiber amplifiers. <i>Optical and Quantum Electronics</i> , <b>2015</b> , 47, 2199-2212	2.4	9
37	Complete Characterization of Polarization-Maintaining Fibers Using Distributed Polarization Analysis. <i>Journal of Lightwave Technology</i> , <b>2015</b> , 33, 372-380	4	33
36	The resilient hybrid fiber sensor network with self-healing function. <i>Review of Scientific Instruments</i> , <b>2015</b> , 86, 033111	1.7	3
35	Temperature cross-sensitivity characteristics of singlemode-multimode-singlemode fiber structure. <i>Review of Scientific Instruments</i> , <b>2015</b> , 86, 013108	1.7	5
34	Measurements of the thermal coefficient of optical attenuation at different depth regions of in vivo human skins using optical coherence tomography: a pilot study. <i>Biomedical Optics Express</i> , <b>2015</b> , 6, 500-13	3.5	14
33	Robustness Analysis Based on Optical Fiber Sensor Networks Topology. <i>IEEE Sensors Journal</i> , <b>2015</b> , 15, 1388-1394	4	7
32	Distributed Optical Fiber Current Sensor Based on Magnetostriction in OFDR. <i>IEEE Photonics Technology Letters</i> , <b>2015</b> , 27, 2055-2058	2.2	19
31	Simultaneous Measurement of Refractive Index and Temperature Using a Cascaded FBG/Droplet-Like Fiber Structure. <i>IEEE Sensors Journal</i> , <b>2015</b> , 15, 6432-6436	4	29
30	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
29	Nonperpendicular Incidence Induced Spatial Frequency Drift in Polarized Low-Coherence Interferometry and Its Compensation. <i>IEEE Photonics Journal</i> , <b>2015</b> , 7, 1-7	1.8	2
28	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
27	Ultraprecise Resonance Wavelength Determination for Optofluidic Sensing Applications. <i>IEEE Photonics Technology Letters</i> , <b>2015</b> , 27, 399-402	2.2	9
26	Tomographic Inspection of Fiber Coils Using Optical Coherence Tomography. <i>IEEE Photonics Technology Letters</i> , <b>2015</b> , 27, 549-552	2.2	10
25	Surface modification of Cu-Cr complex by NIR and MIR laser. <i>Transactions of Tianjin University</i> , <b>2014</b> , 20, 36-41	2.9	0
24	Self-Referenced Residual Pressure Measurement Method for Fiber-Optic Pressure Sensor Chip. <i>IEEE Photonics Technology Letters</i> , <b>2014</b> , 26, 957-960	2.2	6
23	An All-Fiber Optic Current Sensor Based on Ferrofluids and Multimode Interference. <i>IEEE Sensors Journal</i> , <b>2014</b> , 14, 1749-1753	4	20
22	Method for Improving Spatial Resolution and Amplitude by Optimized Deskew Filter in Long-Range OFDR. <i>IEEE Photonics Journal</i> , <b>2014</b> , 6, 1-11	1.8	4



21	Group Delay Dispersion Measurement From a Spectral Interferogram Based on the Cubic Phase Function. <i>IEEE Photonics Journal</i> , <b>2014</b> , 6, 1-9	1.8	2
20	Wavelength Dependence of the Sensitivity of All-Fiber Refractometers Based on the Singlemode-Multimode-Singlemode Structure. <i>IEEE Photonics Journal</i> , <b>2014</b> , 6, 1-7	1.8	5
19	A Modified Empirical Mode Decomposition Algorithm in TDLAS for Gas Detection. <i>IEEE Photonics Journal</i> , <b>2014</b> , 6, 1-7	1.8	34
18	Configurable Filter-Based Endpoint Detection in DMZI Vibration System. <i>IEEE Photonics Technology Letters</i> , <b>2014</b> , 26, 1956-1959	2.2	18
17	Batch-Produced Fiber-Optic Fabry-Pérot Sensor for Simultaneous Pressure and Temperature Sensing. <i>IEEE Photonics Technology Letters</i> , <b>2014</b> , 26, 2070-2073	2.2	39
16	Cryogenic Temperature Measurement Using Rayleigh Backscattering Spectra Shift by OFDR. <i>IEEE Photonics Technology Letters</i> , <b>2014</b> , 26, 1150-1153	2.2	21
15	Reflective all-fiber current sensor based on magnetic fluids. <i>Review of Scientific Instruments</i> , <b>2014</b> , 85, 083107	1.7	9
14	An Automatic Baseline Extraction Algorithm for Intensity Absorption Type Gas Sensing. <i>Journal of Lightwave Technology</i> , <b>2013</b> , 31, 3582-3587	4	2
13	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
12	Long Measurement Range OFDR Beyond Laser Coherence Length. <i>IEEE Photonics Technology Letters</i> , <b>2013</b> , 25, 202-205	2.2	26
11	Performance characterization of fiber Bragg grating thermal response in space vacuum thermal environment. <i>Review of Scientific Instruments</i> , <b>2013</b> , 84, 123107	1.7	9
10	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
9	Mobile robot localization and navigation system based on monocular vision. <i>Transactions of Tianjin University</i> , <b>2012</b> , 18, 335-342	2.9	3
8	Generation of Broadband Chaotic Laser Using Dual-Wavelength Optically Injected Fabry-Pérot Laser Diode With Optical Feedback. <i>IEEE Photonics Technology Letters</i> , <b>2011</b> , 23, 1872-1874	2.2	48
7	Investigation of Wavelength Modulation and Wavelength Sweep Techniques in Intracavity Fiber Laser for Gas Detection. <i>Journal of Lightwave Technology</i> , <b>2011</b> , 29, 15-21	4	28
6	Photonic sensors review recent progress of fiber sensing technologies in Tianjin University. <i>Photonic Sensors</i> , <b>2011</b> , 1, 90-96	2.3	2
5	Numerical controlled two optical paths CO <sub>2</sub> laser die-cutting technology. <i>Transactions of Tianjin University</i> , <b>2010</b> , 16, 284-288	2.9	0
4	Application of Fiber Bragg grating for determining positions of gas absorption lines. <i>Transactions of Tianjin University</i> , <b>2010</b> , 16, 373-375	2.9	

3	All-optical pulse repetition frequency divider utilizing an injection-unlocked Fabry-Perot laser diode. <i>Microwave and Optical Technology Letters</i> , <b>2010</b> , 52, 2641-2643	1.2	1
2	Improved laser measurement using advanced techniques: A review. <i>Microwave and Optical Technology Letters</i> ,	1.2	0
1	Ultrahigh-Resolution Optical Fiber Thermometer Based on Microcavity Opto-Mechanical Oscillation. <i>Advanced Photonics Research</i> ,2200052	1.9	2