

# Shun Wang

## List of Publications by Year in descending order

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55  
papers

955  
citations

394421

19  
h-index

477307

29  
g-index

55  
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55  
docs citations

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times ranked

806  
citing authors

#	ARTICLE	IF	CITATIONS
1	Broadband-laser-diode pumped periodically poled potassium titanyl phosphate-Sagnac polarization-entangled photon source. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2022, 39, 77.	2.1	4
2	High-precision fiber optic liquid level sensor based on fast Fourier amplitude demodulation in a specific range of spectrum. <i>Measurement: Journal of the International Measurement Confederation</i> , 2022, 187, 110326.	5.0	9
3	A highly sensitive magnetic field sensor based on FBG and magnetostrictive composite with oriented magnetic domains. <i>Measurement: Journal of the International Measurement Confederation</i> , 2022, 189, 110667.	5.0	25
4	High-Precision Large-Range Optical Fiber Interferometric Piezometer and Its Wideband Interferometry for Water Pressure Measurement. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2022, 71, 1-13.	4.7	4
5	Optimized Design of the Lithium Niobate for Spectrally Pure State Generation at MIR Wavelengths Using Metaheuristic Algorithm. <i>Advanced Quantum Technologies</i> , 2022, 5, .	3.9	11
6	Simultaneous Measurement of Water Pressure and Temperature Based on a Simple Fabry-Pérot Sensor. <i>IEEE Photonics Technology Letters</i> , 2022, 34, 629-632.	2.5	7
7	Spectral Characteristics of Fiber-Based S-Shape Taper Refractometer With High Sensitivity. <i>IEEE Photonics Technology Letters</i> , 2021, 33, 1266-1269.	2.5	1
8	Curvature and Temperature Sensor Based on Anti-Resonant Effect Combined With Multimode Interference. <i>IEEE Photonics Technology Letters</i> , 2021, 33, 127-130.	2.5	12
9	Temperature-independent ultra-sensitive refractive index sensor based on hollow-core silica tubes and tapers. <i>Optics Express</i> , 2021, 29, 10939.	3.4	13
10	Comparison of Fiber-Based Gas Pressure Sensors Using Hollow-Core Photonic Crystal Fibers. <i>IEEE Photonics Journal</i> , 2021, 13, 1-9.	2.0	10
11	Sensitivity-enhanced temperature sensor based on encapsulated S-taper fiber Modal interferometer. <i>Optics and Laser Technology</i> , 2021, 139, 106933.	4.6	24
12	Simplified highly-sensitive gas pressure sensor based on harmonic Vernier effect. <i>Optics and Laser Technology</i> , 2021, 140, 107007.	4.6	51
13	Fiber tip Michelson interferometer for temperature sensing based on polymer-filled suspended core fiber. <i>Optics and Laser Technology</i> , 2021, 141, 107147.	4.6	21
14	Comparison study of laser vibration measurement and quantum vibration measurement. , 2021, , .		0
15	In-situ adjustable fiber-optic piezometer based on parallelly structured external Fabry-Perot interferometers with Vernier effect and its harmonics. <i>Optics Express</i> , 2021, 29, 42800.	3.4	17
16	A simple fiber lateral stress sensor based on polarization-maintaining fiber embedded Michelson interferometer assisted by silicon rubber sheets. <i>Optik</i> , 2020, 203, 164008.	2.9	6
17	Fiber curvature sensor based on dual-wavelength erbium-doped fiber laser (DWEDFL) with gain competitive intensity difference demodulation. <i>Optik</i> , 2020, 221, 165271.	2.9	1
18	A fiber optic temperature sensor based on interference fringe contrast demodulation. <i>Optik</i> , 2020, 204, 164014.	2.9	7

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19	Counter-propagating spectrally uncorrelated biphotons at 1550 nm generated from periodically poled MTiOXO4 (M = K, Rb, Cs; X = P, As). Journal of the Optical Society of America B: Optical Physics, 2020, 37, 8 3048.		
20	Fiber-Based Infrasound Sensing. Progress in Optical Science and Photonics, 2020, , 81-98.	0.5	2
21	Twice-FFT demodulation for signal distortion in optical fiber FP acoustic sensor. Heliyon, 2020, 6, e05790.	3.2	0
22	A miniature inline fiber temperature sensor based on a silica capillary partially filled with ethanol. Optik, 2019, 193, 162993.	2.9	3
23	In-Line Hybrid Fiber Sensor for Curvature and Temperature Measurement. IEEE Photonics Journal, 2019, 11, 1-11.	2.0	31
24	All-Optical Demodulation Fiber Acoustic Sensor With Real-Time Controllable Sensitivity Based on Optical Vernier Effect. IEEE Photonics Journal, 2019, 11, 1-11.	2.0	16
25	Theoretical Investigation of a Spectrally Pure-State Generation from Isomorphs of KDP Crystal at Near-Infrared and Telecom Wavelengths. Physical Review Applied, 2019, 11, .	3.8	18
26	Fiber Bragg grating in seven core fiber fabricated with infrared femtosecond laser pulses and a phase mask. , 2019, , .		0
27	An inline fiber curvature sensor based on anti-resonant reflecting guidance in silica tube. Optics and Laser Technology, 2019, 111, 407-410.	4.6	28
28	Highly Sensitive Temperature Sensor Based on Gain Competition Mechanism Using Graphene Coated Microfiber. IEEE Photonics Journal, 2018, 10, 1-8.	2.0	6
29	Dual-Parameters Optical Fiber Sensor With Enhanced Resolution Using Twisted MMF Based on SMS Structure. IEEE Sensors Journal, 2017, 17, 3045-3051.	4.7	35
30	Flexible Piezoelectric Fibers for Acoustic Sensing and Positioning. Advanced Electronic Materials, 2017, 3, 1600449.	5.1	44
31	Highly Sensitive Optical Fiber Curvature and Acoustic Sensor Based on Thin Core Ultralong Period Fiber Grating. IEEE Photonics Journal, 2017, 9, 1-9.	2.0	23
32	Phase Demodulation of Short-Cavity Fabry-Perot Interferometric Acoustic Sensors With Two Wavelengths. IEEE Photonics Journal, 2017, 9, 1-9.	2.0	53
33	High sensitivity optical fiber strain sensor using twisted multimode fiber based on SMS structure. Optics Communications, 2017, 405, 416-420.	2.1	46
34	Anti-Resonant Reflecting Guidance in Silica Tube for High Temperature Sensing. IEEE Photonics Technology Letters, 2017, 29, 2135-2138.	2.5	23
35	Spectrum interrogation of fiber acoustic sensor based on self-fitting and differential method. Optics Express, 2017, 25, 4429.	3.4	5
36	Dual-wavelength Highly-sensitive refractive index sensor. Optics Express, 2017, 25, 14389.	3.4	36

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37	All-fiber sensor based on few-mode fiber offset splicing structure cascaded with long-period fiber grating for curvature and acoustic measurement. <i>Photonic Network Communications</i> , 2016, 32, 224-229.	2.7	10
38	A Novel Switchable and Tunable Dual-Wavelength Single-Longitudinal-Mode Fiber Laser at 2. <i>IEEE Photonics Technology Letters</i> , 2016, 28, 1161-1164.	2.5	18
39	An Infrasound Sensor Based on Extrinsic Fiber-Optic Fabry-Pérot Interferometer Structure. <i>IEEE Photonics Technology Letters</i> , 2016, 28, 1264-1267.	2.5	57
40	Fiber-Optic Michelson Interferometric Acoustic Sensor Based on a PP/PET Diaphragm. <i>IEEE Sensors Journal</i> , 2016, 16, 3054-3058.	4.7	77
41	UV Adhesive Diaphragm-Based FPI Sensor for Very-Low-Frequency Acoustic Sensing. <i>IEEE Photonics Journal</i> , 2016, 8, 1-9.	2.0	35
42	A switchable, tunable and power-controllable dual-wavelength fiber laser at 2.14 μm. , 2015, , .		0
43	Cascaded interferometers structure based on dual-pass Mach-Zehnder interferometer and Sagnac interferometer for dual-parameter sensing. <i>Optics Express</i> , 2015, 23, 674.	3.4	36
44	2.14 μm switchable, tunable and power-controllable dual-wavelength fiber laser based on parallel cavities using 3-3 coupler. <i>Applied Physics B: Lasers and Optics</i> , 2015, 120, 349-354.	2.2	11
45	All-fiber curvature sensor based on offset splicing structure cascaded with long-period fiber grating. , 2015, , .		1
46	Fiber Acoustic Sensor Based on Polarization-Maintaining Photonic Crystal Fiber Cascaded with a Long Period Grating in a Sagnac Loop. , 2015, , .		1
47	Optical Fiber Acoustic Sensor Based on Nonstandard Fused Coupler and Aluminum Foil. <i>IEEE Sensors Journal</i> , 2014, 14, 2293-2298.	4.7	37
48	2.14 μm switchable dual-wavelength fiber laser with cascaded filter structure based on dual-channel Mach-Zehnder interferometer and spatial mode beating effect. <i>Applied Physics B: Lasers and Optics</i> , 2014, 117, 563-569.	2.2	24
49	Intensity demodulation-based acoustic sensor using dual fiber Bragg gratings and a titanium film. <i>Journal of Modern Optics</i> , 2014, 61, 1033-1038.	1.3	9
50	Optical fiber curvature sensor based on few mode fiber. <i>Optik</i> , 2014, 125, 4776-4778.	2.9	23
51	Dual fiber Bragg gratings configuration-based fiber acoustic sensor for low-frequency signal detection. <i>Proceedings of SPIE</i> , 2014, , .	0.8	2
52	Passively mode-locked multi-longitudinal mode fiber laser sensor for acoustic pressure measurement. , 2013, , .		0
53	Passively mode-locked fiber laser sensor for acoustic pressure sensing. <i>Journal of Modern Optics</i> , 2013, 60, 1892-1897.	1.3	12
54	Two-beam interferometer with optical path difference magnified. <i>Optics Letters</i> , 2013, 38, 133.	3.3	2

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55	Terahertz waves generation using the isomorphs of PPKTP crystal. OSA Continuum, 0, , .	1.8	0