

# Shun Wang

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9476983/publications.pdf>

Version: 2024-02-01

55  
papers

955  
citations

394421

19  
h-index

477307

29  
g-index

55  
all docs

55  
docs citations

55  
times ranked

806  
citing authors

#	ARTICLE	IF	CITATIONS
1	Fiber-Optic Michelson Interferometric Acoustic Sensor Based on a PP/PET Diaphragm. IEEE Sensors Journal, 2016, 16, 3054-3058.	4.7	77
2	An Infrasound Sensor Based on Extrinsic Fiber-Optic Fabry-Pérot Interferometer Structure. IEEE Photonics Technology Letters, 2016, 28, 1264-1267.	2.5	57
3	Phase Demodulation of Short-Cavity Fabry-Pérot Interferometric Acoustic Sensors With Two Wavelengths. IEEE Photonics Journal, 2017, 9, 1-9.	2.0	53
4	Simplified highly-sensitive gas pressure sensor based on harmonic Vernier effect. Optics and Laser Technology, 2021, 140, 107007.	4.6	51
5	High sensitivity optical fiber strain sensor using twisted multimode fiber based on SMS structure. Optics Communications, 2017, 405, 416-420.	2.1	46
6	Flexible Piezoelectric Fibers for Acoustic Sensing and Positioning. Advanced Electronic Materials, 2017, 3, 1600449.	5.1	44
7	Optical Fiber Acoustic Sensor Based on Nonstandard Fused Coupler and Aluminum Foil. IEEE Sensors Journal, 2014, 14, 2293-2298.	4.7	37
8	Cascaded interferometers structure based on dual-pass Mach-Zehnder interferometer and Sagnac interferometer for dual-parameter sensing. Optics Express, 2015, 23, 674.	3.4	36
9	Dual-wavelength Highly-sensitive refractive index sensor. Optics Express, 2017, 25, 14389.	3.4	36
10	UV Adhesive Diaphragm-Based FPI Sensor for Very-Low-Frequency Acoustic Sensing. IEEE Photonics Journal, 2016, 8, 1-9.	2.0	35
11	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
12	In-Line Hybrid Fiber Sensor for Curvature and Temperature Measurement. IEEE Photonics Journal, 2019, 11, 1-11.	2.0	31
13	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
14	A highly sensitive magnetic field sensor based on FBG and magnetostrictive composite with oriented magnetic domains. Measurement: Journal of the International Measurement Confederation, 2022, 189, 110667.	5.0	25
15	2- $\frac{1}{4}$ m switchable dual-wavelength fiber laser with cascaded filter structure based on dual-channel Mach-Zehnder interferometer and spatial mode beating effect. Applied Physics B: Lasers and Optics, 2014, 117, 563-569.	2.2	24
16	Sensitivity-enhanced temperature sensor based on encapsulated S-taper fiber Modal interferometer. Optics and Laser Technology, 2021, 139, 106933.	4.6	24
17	Optical fiber curvature sensor based on few mode fiber. Optik, 2014, 125, 4776-4778.	2.9	23
18	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

#	ARTICLE	IF	CITATIONS
19	Anti-Resonant Reflecting Guidance in Silica Tube for High Temperature Sensing. IEEE Photonics Technology Letters, 2017, 29, 2135-2138.	2.5	23
20	Fiber tip Michelson interferometer for temperature sensing based on polymer-filled suspended core fiber. Optics and Laser Technology, 2021, 141, 107147.	4.6	21
21	A Novel Switchable and Tunable Dual-Wavelength Single-Longitudinal-Mode Fiber Laser at 2. IEEE Photonics Technology Letters, 2016, 28, 1161-1164.	2.5	18
22	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
23	In-situ adjustable fiber-optic piezometer based on parallelly structured external Fabry-Perot interferometers with Vernier effect and its harmonics. Optics Express, 2021, 29, 42800.	3.4	17
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	Temperature-independent ultra-sensitive refractive index sensor based on hollow-core silica tubes and tapers. Optics Express, 2021, 29, 10939.	3.4	13
26	Passively mode-locked fiber laser sensor for acoustic pressure sensing. Journal of Modern Optics, 2013, 60, 1892-1897.	1.3	12
27	Curvature and Temperature Sensor Based on Anti-Resonant Effect Combined With Multimode Interference. IEEE Photonics Technology Letters, 2021, 33, 127-130.	2.5	12
28	2-1/4m switchable, tunable and power-controllable dual-wavelength fiber laser based on parallel cavities using 3-3 coupler. Applied Physics B: Lasers and Optics, 2015, 120, 349-354.	2.2	11
29	Optimized Design of the Lithium Niobate for Spectrally Pure State Generation at MIR Wavelengths Using Metaheuristic Algorithm. Advanced Quantum Technologies, 2022, 5, .	3.9	11
30	All-fiber sensor based on few-mode fiber offset splicing structure cascaded with long-period fiber grating for curvature and acoustic measurement. Photonic Network Communications, 2016, 32, 224-229.	2.7	10
31	Comparison of Fiber-Based Gas Pressure Sensors Using Hollow-Core Photonic Crystal Fibers. IEEE Photonics Journal, 2021, 13, 1-9.	2.0	10
32	Intensity demodulation-based acoustic sensor using dual fiber Bragg gratings and a titanium film. Journal of Modern Optics, 2014, 61, 1033-1038.	1.3	9
33	High-precision fiber optic liquid level sensor based on fast Fourier amplitude demodulation in a specific range of spectrum. Measurement: Journal of the International Measurement Confederation, 2022, 187, 110326.	5.0	9
34	Counter-propagating spectrally uncorrelated biphotons at 1550nm generated from periodically poled MTiOXO4 (M=K, Rb, Cs; X=P, As). Journal of the Optical Society of America B: Optical Physics, 2020, 37, 83048.		
35	A fiber optic temperature sensor based on interference fringe contrast demodulation. Optik, 2020, 204, 164014.	2.9	7
36	Simultaneous Measurement of Water Pressure and Temperature Based on a Simple Fabry-Perot Sensor. IEEE Photonics Technology Letters, 2022, 34, 629-632.	2.5	7

#	ARTICLE	IF	CITATIONS
37	Highly Sensitive Temperature Sensor Based on Gain Competition Mechanism Using Graphene Coated Microfiber. IEEE Photonics Journal, 2018, 10, 1-8.	2.0	6
38	A simple fiber lateral stress sensor based on polarization-maintaining fiber embedded Michelson interferometer assisted by silicon rubber sheets. Optik, 2020, 203, 164008.	2.9	6
39	Spectrum interrogation of fiber acoustic sensor based on self-fitting and differential method. Optics Express, 2017, 25, 4429.	3.4	5
40	Broadband-laser-diode pumped periodically poled potassium titanyl phosphate-Sagnac polarization-entangled photon source. Journal of the Optical Society of America B: Optical Physics, 2022, 39, 77.	2.1	4
41	High-Precision Large-Range Optical Fiber Interferometric Piezometer and Its Wideband Interferometry for Water Pressure Measurement. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-13.	4.7	4
42	A miniature inline fiber temperature sensor based on a silica capillary partially filled with ethanol. Optik, 2019, 193, 162993.	2.9	3
43	Two-beam interferometer with optical path difference magnified. Optics Letters, 2013, 38, 133.	3.3	2
44	Dual fiber Bragg gratings configuration-based fiber acoustic sensor for low-frequency signal detection. Proceedings of SPIE, 2014, , .	0.8	2
45	Fiber-Based Infrasound Sensing. Progress in Optical Science and Photonics, 2020, , 81-98.	0.5	2
46	All-fiber curvature sensor based on offset splicing structure cascaded with long-period fiber grating. , 2015, , .		1
47	Fiber curvature sensor based on dual-wavelength erbium-doped fiber laser (DWEDFL) with gain competitive intensity difference demodulation. Optik, 2020, 221, 165271.	2.9	1
48	Spectral Characteristics of Fiber-Based S-Shape Taper Refractometer With High Sensitivity. IEEE Photonics Technology Letters, 2021, 33, 1266-1269.	2.5	1
49	Fiber Acoustic Sensor Based on Polarization-Maintaining Photonic Crystal Fiber Cascaded with a Long Period Grating in a Sagnac Loop. , 2015, , .		1
50	Passively mode-locked multi-longitudinal mode fiber laser sensor for acoustic pressure measurement. , 2013, , .		0
51	A switchable, tunable and power-controllable dual-wavelength fiber laser at 2 $\mu$ m. , 2015, , .		0
52	Fiber Bragg grating in seven core fiber fabricated with infrared femtosecond laser pulses and a phase mask. , 2019, , .		0
53	Terahertz waves generation using the isomorphs of PPKTP crystal. OSA Continuum, 0, , .	1.8	0
54	Twice-FFT demodulation for signal distortion in optical fiber FP acoustic sensor. Heliyon, 2020, 6, e05790.	3.2	0

#	ARTICLE	IF	CITATIONS
55	Comparison study of laser vibration measurement and quantum vibration measurement. , 2021, , .		0