

Wenjun Ni

List of Publications by Year in descending order

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43
times ranked

843
citing authors

#	ARTICLE	IF	CITATIONS
1	Sensitivity amplification of fiber-optic in-line Mach-Zehnder Interferometer sensors with modified Vernier-effect. Optics Express, 2017, 25, 26898.	3.4	114
2	Ultrathin graphene diaphragm-based extrinsic Fabry-Perot interferometer for ultra-wideband fiber optic acoustic sensing. Optics Express, 2018, 26, 20758.	3.4	102
3	An Infrasonic Sensor Based on Extrinsic Fiber-Optic Fabry-Perot Interferometer Structure. IEEE Photonics Technology Letters, 2016, 28, 1264-1267.	2.5	57
4	Phase Demodulation of Short-Cavity Fabry-Perot Interferometric Acoustic Sensors With Two Wavelengths. IEEE Photonics Journal, 2017, 9, 1-9.	2.0	53
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	Ultrasensitive Temperature Sensor With Cascaded Fiber Optic Fabry-Perot Interferometers Based on Vernier Effect. IEEE Photonics Journal, 2018, 10, 1-11.	2.0	44
7	Real-time dynamics of soliton triplets in fiber lasers. Photonics Research, 2020, 8, 884.	7.0	41
8	Single hole twin eccentric core fiber sensor based on anti-resonant effect combined with inline Mach-Zehnder interferometer. Optics Express, 2017, 25, 12372.	3.4	39
9	Dual-wavelength Highly-sensitive refractive index sensor. Optics Express, 2017, 25, 14389.	3.4	36
10	Experimental observation of shaking soliton molecules in a dispersion-managed fiber laser. Optics Letters, 2020, 45, 1551.	3.3	33
11	Gold-Diaphragm Based Fabry-Perot Ultrasonic Sensor for Partial Discharge Detection and Localization. IEEE Photonics Journal, 2020, 12, 1-12.	2.0	28
12	Micromachined extrinsic Fabry-Perot cavity for low-frequency acoustic wave sensing. Optics Express, 2019, 27, 24300.	3.4	27
13	Stationary and pulsating vector dissipative solitons in nonlinear multimode interference based fiber lasers. Optics Express, 2020, 28, 4216.	3.4	27
14	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
15	Turbulence heterodyne coherent mitigation of orbital angular momentum multiplexing in a free space optical link by auxiliary light. Optics Express, 2017, 25, 25612.	3.4	23
16	Vernier effect of fiber interferometer based on cascaded PANDA polarization maintaining fiber. Chinese Optics Letters, 2019, 17, 080601.	2.9	23
17	Simultaneous implementation of enhanced resolution and large dynamic range for fiber temperature sensing based on different optical transmission mechanisms. Optics Express, 2018, 26, 18341.	3.4	22
18	Experimental and numerical investigation on hollow core photonic crystal fiber based bending sensor. Optics Express, 2019, 27, 30629.	3.4	22

#	ARTICLE	IF	CITATIONS
19	Bending Direction Detective Fiber Sensor for Dual-Parameter Sensing Based on an Asymmetrical Thin-Core Long-Period Fiber Grating. IEEE Photonics Journal, 2016, 8, 1-11.	2.0	20
20	Phase demodulation of interferometric fiber sensor based on fast Fourier analysis. Optics Express, 2017, 25, 21094.	3.4	16
21	Sensing Characterization of Helical Long Period Fiber Grating Fabricated by a Double-Side CO ₂ Laser in Single-Mode Fiber. IEEE Photonics Journal, 2019, 11, 1-8.	2.0	13
22	Ultrasensitive Broadband Refractometer Based on Single Stress-Appling Fiber at Dispersion Turning Point. Journal of Lightwave Technology, 2021, 39, 2528-2535.	4.6	13
23	Phase Interrogation of Diaphragm-Based Optical Fiber Acoustic Sensor Assisted by Wavelength-Scanned Spectral Coding. IEEE Photonics Journal, 2018, 10, 1-11.	2.0	12
24	Vectorial Nature in Nonlinear Multimode Interference Based Ultrafast Fiber Lasers. IEEE Photonics Journal, 2020, 12, 1-10.	2.0	12
25	Internal motions of harmonically mode-locked soliton molecules in a NPR based fiber laser. Optics Communications, 2021, 486, 126790.	2.1	11
26	Simultaneous Measurement of Axial Strain and Temperature Based on a Z-Shape Fiber Structure. IEEE Photonics Journal, 2017, 9, 1-8.	2.0	9
27	High-resolution, large-dynamic-range multimode interferometer sensor based on a suspended-core microstructured optical fiber. Optics Letters, 2020, 45, 1017.	3.3	9
28	An Optical Fiber Twist Sensor With Temperature Compensation Mechanism Based on T-SMS Structure. IEEE Photonics Journal, 2020, 12, 1-8.	2.0	8
29	Intensity Demodulation Based Fiber Sensor for Dynamic Measurement of Acoustic Wave and Lateral Pressure Simultaneously. IEEE Photonics Journal, 2016, 8, 1-13.	2.0	7
30	Spectrum interrogation of fiber acoustic sensor based on self-fitting and differential method. Optics Express, 2017, 25, 4429.	3.4	5
31	Bragg labeled wavelength calibrates interferometric sensors in hollow core fiber. Optics Letters, 2019, 44, 5382.	3.3	5
32	A highly sensitive twist sensor without temperature cross sensitivity based on tapered single-thin-single fiber offset structure. , 2017, , .		2
33	Breathing Dynamics in a Gain-Guided Dissipative Soliton-Similariton Fiber Laser. IEEE Photonics Technology Letters, 2020, 32, 481-484.	2.5	2
34	Performance Enhancement of Opened Resonance Photoacoustic Cells Based on Three Dimensional Topology Optimization. Photonics, 2021, 8, 380.	2.0	2
35	Anti-resonant reflecting effect in large-core hollow-core photonic crystal fiber for temperature sensing. , 2019, , .		1
36	Fiber Acoustic Sensor Based on Polarization-Maintaining Photonic Crystal Fiber Cascaded with a Long Period Grating in a Sagnac Loop. , 2015, , .		1

#	ARTICLE	IF	CITATIONS
37	Real-time spectral interferometry assisted recording of acoustic wave. , 2020, , .		1
38	Graphene diaphragm-based extrinsic Fabry-Perot interferometer for low frequency acoustic sensing. , 2017, , .		0
39	Highly sensitive fiber temperature sensor based on antiresonant effect cascaded with multimode interference. , 2018, , .		0
40	Simultaneous measurement for strain and temperature based on the twisted-tapering fiber structure. , 2017, , .		0
41	Pulsating internal oscillation of soliton molecules in passively mode-locked fiber lasers. , 2020, , .		0
42	Transition dynamics of soliton molecules in passively mode- locked fiber lasers. , 2020, , .		0
43	Highly sensitive bending sensor based on a tapered hollow core microstructured optical fiber. , 2020, , .		0