

# Wenjun Ni

## List of Publications by Year in descending order

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43  
papers

909  
citations

394421

19  
h-index

454955

30  
g-index

43  
all docs

43  
docs citations

43  
times ranked

843  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Ultrasensitive Broadband Refractometer Based on Single Stress-Applying Fiber at Dispersion Turning Point. <i>Journal of Lightwave Technology</i> , 2021, 39, 2528-2535.              | 4.6 | 13        |
| 2  | Internal motions of harmonically mode-locked soliton molecules in a NPR based fiber laser. <i>Optics Communications</i> , 2021, 486, 126790.   | 2.1 | 11        |
| 3  | Performance Enhancement of Opened Resonance Photoacoustic Cells Based on Three Dimensional Topology Optimization. <i>Photonics</i> , 2021, 8, 380.                                   | 2.0 | 2         |
| 4  | Breathing Dynamics in a Gain-Guided Dissipative Soliton-Similariton Fiber Laser. <i>IEEE Photonics Technology Letters</i> , 2020, 32, 481-484.                                       | 2.5 | 2         |
| 5  | Vectorial Nature in Nonlinear Multimode Interference Based Ultrafast Fiber Lasers. <i>IEEE Photonics Journal</i> , 2020, 12, 1-10.   | 2.0 | 12        |
| 6  | An Optical Fiber Twist Sensor With Temperature Compensation Mechanism Based on T-SMS Structure. <i>IEEE Photonics Journal</i> , 2020, 12, 1-8.                                       | 2.0 | 8         |
| 7  | Gold-Diaphragm Based Fabry-Perot Ultrasonic Sensor for Partial Discharge Detection and Localization. <i>IEEE Photonics Journal</i> , 2020, 12, 1-12.                                 | 2.0 | 28        |
| 8  | Stationary and pulsating vector dissipative solitons in nonlinear multimode interference based fiber lasers. <i>Optics Express</i> , 2020, 28, 4216.                                 | 3.4 | 27        |
| 9  | High-resolution, large-dynamic-range multimode interferometer sensor based on a suspended-core microstructured optical fiber. <i>Optics Letters</i> , 2020, 45, 1017.                | 3.3 | 9         |
| 10 | Experimental observation of shaking soliton molecules in a dispersion-managed fiber laser. <i>Optics Letters</i> , 2020, 45, 1551.   | 3.3 | 33        |
| 11 | Real-time dynamics of soliton triplets in fiber lasers. <i>Photonics Research</i> , 2020, 8, 884.  | 7.0 | 41        |
| 12 | Pulsating internal oscillation of soliton molecules in passively mode-locked fiber lasers. , 2020, , .   |     | 0         |
| 13 | Transition dynamics of soliton molecules in passively mode- locked fiber lasers. , 2020, , .   |     | 0         |
| 14 | Highly sensitive bending sensor based on a tapered hollow core microstructured optical fiber. , 2020, , .  |     | 0         |
| 15 | Real-time spectral interferometry assisted recording of acoustic wave. , 2020, , .   |     | 1         |
| 16 | Sensing Characterization of Helical Long Period Fiber Grating Fabricated by a Double-Side CO <sub>2</sub> Laser in Single-Mode Fiber. <i>IEEE Photonics Journal</i> , 2019, 11, 1-8. | 2.0 | 13        |
| 17 | Anti-resonant reflecting effect in large-core hollow-core photonic crystal fiber for temperature sensing. , 2019, , .  |     | 1         |
| 18 | Micromachined extrinsic Fabry-Pérot cavity for low-frequency acoustic wave sensing. <i>Optics Express</i> , 2019, 27, 24300.   | 3.4 | 27        |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 19 | Experimental and numerical investigation on hollow core photonic crystal fiber based bending sensor. Optics Express, 2019, 27, 30629.   | 3.4 | 22        |
| 20 | Bragg labeled wavelength calibrates interferometric sensors in hollow core fiber. Optics Letters, 2019, 44, 5382.   | 3.3 | 5         |
| 21 | Vernier effect of fiber interferometer based on cascaded PANDA polarization maintaining fiber. Chinese Optics Letters, 2019, 17, 080601.  | 2.9 | 23        |
| 22 | 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        |
| 23 | Highly sensitive fiber temperature sensor based on antiresonant effect cascaded with multimode interference. , 2018, , .  |     | 0         |
| 24 | 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        |
| 25 | Ultrathin graphene diaphragm-based extrinsic Fabry-Perot interferometer for ultra-wideband fiber optic acoustic sensing. Optics Express, 2018, 26, 20758.                                     | 3.4 | 102       |
| 26 | Ultrasensitive Temperature Sensor With Cascaded Fiber Optic Fabry-Perot Interferometers Based on Vernier Effect. IEEE Photonics Journal, 2018, 10, 1-11.                                      | 2.0 | 44        |
| 27 | 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        |
| 28 | A highly sensitive twist sensor without temperature cross sensitivity based on tapered single-thin-single fiber offset structure. , 2017, , .   |     | 2         |
| 29 | Phase Demodulation of Short-Cavity Fabry-Perot Interferometric Acoustic Sensors With Two Wavelengths. IEEE Photonics Journal, 2017, 9, 1-9.   | 2.0 | 53        |
| 30 | High sensitivity optical fiber strain sensor using twisted multimode fiber based on SMS structure. Optics Communications, 2017, 405, 416-420.   | 2.1 | 46        |
| 31 | Simultaneous Measurement of Axial Strain and Temperature Based on a Z-Shape Fiber Structure. IEEE Photonics Journal, 2017, 9, 1-8.  | 2.0 | 9         |
| 32 | Graphene diaphragm-based extrinsic Fabry-Perot interferometer for low frequency acoustic sensing. , 2017, , .   |     | 0         |
| 33 | Spectrum interrogation of fiber acoustic sensor based on self-fitting and differential method. Optics Express, 2017, 25, 4429.  | 3.4 | 5         |
| 34 | 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        |
| 35 | Phase demodulation of interferometric fiber sensor based on fast Fourier analysis. Optics Express, 2017, 25, 21094.   | 3.4 | 16        |
| 36 | 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        |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 37 | Dual-wavelength Highly-sensitive refractive index sensor. Optics Express, 2017, 25, 14389.   | 3.4 | 36        |
| 38 | Sensitivity amplification of fiber-optic in-line Mach-Zehnder Interferometer sensors with modified Vernier-effect. Optics Express, 2017, 25, 26898.                      | 3.4 | 114       |
| 39 | Simultaneous measurement for strain and temperature based on the twisted-tapering fiber structure. , 2017, , .   |     | 0         |
| 40 | 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         |
| 41 | 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        |
| 42 | An Infrasonic Sensor Based on Extrinsic Fiber-Optic Fabry-Perot Interferometer Structure. IEEE Photonics Technology Letters, 2016, 28, 1264-1267.                        | 2.5 | 57        |
| 43 | Fiber Acoustic Sensor Based on Polarization-Maintaining Photonic Crystal Fiber Cascaded with a Long Period Grating in a Sagnac Loop. , 2015, , .                         |     | 1         |