

# Dipeng Ren

## List of Publications by Year in descending order

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36  
papers

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citations

759233

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docs citations

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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Magnetic Fluid-Infiltrated Anti-Resonant Reflecting Optical Waveguide for Magnetic Field Sensing Based on Leaky Modes. <i>Journal of Lightwave Technology</i> , 2016, 34, 3490-3495.	4.6	28
2	Fiber optofluidic biosensor for the label-free detection of DNA hybridization and methylation based on an in-line tunable mode coupler. <i>Biosensors and Bioelectronics</i> , 2016, 86, 321-329.	10.1	28
3	Temperature-compensated fibre optic magnetic field sensor based on a self-referenced anti-resonant reflecting optical waveguide. <i>Applied Physics Letters</i> , 2017, 110, .	3.3	27
4	Application of Porous TiO <sub>2</sub> Thin Films as Wavelength-Interrogated Waveguide Resonance Sensors for Bio/Chemical Detection. <i>Journal of Physical Chemistry C</i> , 2012, 116, 3342-3348.	3.1	25
5	Optofluidic Immunosensor Based on Resonant Wavelength Shift of a Hollow Core Fiber for Ultratrace Detection of Carcinogenic Benzo[a]pyrene. <i>ACS Photonics</i> , 2018, 5, 1273-1280.	6.6	19
6	A Modified Equation for the Spectral Resolution of Fourier Transform Spectrometers. <i>Journal of Lightwave Technology</i> , 2015, 33, 19-24.	4.6	15
7	In-Fiber Double-Layered Resonator for High-Sensitive Strain Sensing. <i>IEEE Photonics Technology Letters</i> , 2017, 29, 857-860.	2.5	14
8	Nanoporous Gold Films Prepared by a Combination of Sputtering and Dealloying for Trace Detection of Benzo[a]pyrene Based on Surface Plasmon Resonance Spectroscopy. <i>Sensors</i> , 2017, 17, 1255.	3.8	14
9	Self-referenced directional enhanced Raman scattering using plasmon waveguide resonance for surface and bulk sensing. <i>Applied Physics Letters</i> , 2018, 112, .	3.3	14
10	An Optical MEMS Acoustic Sensor Based on Grating Interferometer. <i>Sensors</i> , 2019, 19, 1503.	3.8	14
11	Development of highly sensitive fiber-optic acoustic sensor and its preliminary application for sound source localization. <i>Journal of Applied Physics</i> , 2021, 129, .	2.5	14
12	A Potassium Ion-Exchanged Glass Optical Waveguide Sensor Locally Coated with a Crystal Violet-SiO <sub>2</sub> Gel Film for Real-Time Detection of Organophosphorus Pesticides Simulant. <i>Sensors</i> , 2019, 19, 4219.	3.8	13
13	Gold-silver alloy film based surface plasmon resonance sensor for biomarker detection. <i>Materials Science and Engineering C</i> , 2020, 116, 111126.	7.3	13
14	Low-Frequency Bi-Directional Microphone Based on a Combination of Bionic MEMS Diaphragm and Fiber Acousto-Optic Transducer. <i>IEEE Sensors Journal</i> , 2021, 21, 14655-14665.	4.7	12
15	Miniature all-fibre microflown directional acoustic sensor based on crossed self-heated micro-Co <sup>2+</sup> -doped optical fibre Bragg gratings. <i>Applied Physics Letters</i> , 2018, 113, .	3.3	11
16	Single-layer graphene-based surface plasmon resonance sensor with dynamic evanescent field enhancement for biomarker study. <i>Journal of Modern Optics</i> , 2020, 67, 671-681.	1.3	11
17	In situ study of self-assembled nanocomposite films by spectral SPR sensor. <i>Materials Science and Engineering C</i> , 2015, 51, 242-247.	7.3	10
18	Vibration Sensor Based on the Resonance Power Leakage in a Tapered Capillary Fiber. <i>IEEE Sensors Journal</i> , 2017, 17, 8332-8337.	4.7	10

#	ARTICLE	IF	CITATIONS
19	Judgment and Compensation of Deviation of the Optical Interferometric Sensor's Operating Point From the Interferometer Quadrature Point. <i>Journal of Lightwave Technology</i> , 2021, 39, 7008-7017.	4.6	10
20	Spectropolarimetric interferometer based on single-mode glass waveguides. <i>Optics Express</i> , 2008, 16, 2245.	3.4	9
21	Slow spontaneous transformation of the morphology of ultrathin gold films characterized by localized surface plasmon resonance spectroscopy. <i>Nanotechnology</i> , 2009, 20, 255702.	2.6	9
22	Algorithmic Enhancement of Spectral Resolution of a Lithium Niobate (LiNbO <sub>3</sub> ) Waveguide-Based Miniature Fourier Transform Spectrometer. <i>Applied Spectroscopy</i> , 2016, 70, 1685-1691.	2.2	8
23	Detection of diethyl chlorophosphate using a composite optical waveguide sensor. <i>Analytical Methods</i> , 2019, 11, 1208-1213.	2.7	8
24	Integrated Young interferometer sensor with a channel-planar composite waveguide sensing arm. <i>Optics Letters</i> , 2009, 34, 2213.	3.3	7
25	Fabrication of Glass Diaphragm Based Fiber-Optic Microphone for Sensitive Detection of Airborne and Waterborne Sounds. <i>Sensors</i> , 2022, 22, 2218.	3.8	7
26	Systematic characterization of spectral surface plasmon resonance sensors with absorbance measurement. <i>Applied Optics</i> , 2007, 46, 7963.	2.1	6
27	Performance investigation of an integrated Young interferometer sensor using a novel prism-chamber assembly. <i>Optics Express</i> , 2010, 18, 7421.	3.4	6
28	Miniaturized Optical System for Detection of Ammonia Nitrogen in Water Based on Gas-Phase Colorimetry. <i>Analytical Letters</i> , 2012, 45, 2176-2184.	1.8	6
29	In situ molecular self-assembly and sensitive label-free detection of streptavidin via a wavelength interrogated surface plasmon resonance sensor. <i>Chemical Research in Chinese Universities</i> , 2013, 29, 1219-1224.	2.6	6
30	Spectral Characteristics of Near-Infrared Surface Plasmon Resonance. <i>Plasmonics</i> , 2013, 8, 1401-1409.	3.4	4
31	Kinetics of Competitive Adsorption of $\hat{I}^2$ -Casein and Methylene Blue on Hydrophilic Glass. <i>Journal of Physical Chemistry A</i> , 2012, 116, 2141-2146.	2.5	3
32	Ultrasonic Detection of High-Intensity Focused Ultrasound Field using Quadrature Point Phase Step in a Fiber Optic Interferometric Sensor. <i>Journal of Lightwave Technology</i> , 2019, 37, 2694-2699.	4.6	3
33	Time-resolved evanescent wave absorption spectroscopy for real-time monitoring of heme protein adsorption to glass. <i>Analytical Biochemistry</i> , 2008, 374, 196-202.	2.4	2
34	Tube Glass Waveguides Modified With Gold Nanoparticles for Application as a Simple Chemical and Biological Sensor. <i>IEEE Sensors Journal</i> , 2015, 15, 2917-2923.	4.7	2
35	An optical beam deflection based MEMS biomimetic microphone for wide-range sound source localization. <i>Journal Physics D: Applied Physics</i> , 2021, 54, 505403.	2.8	2
36	Fiber-optic microphone based on bionic silicon micro-electro-mechanical system diaphragm. <i>Wuli Xuebao/Acta Physica Sinica</i> , 2022, 71, 094301.	0.5	2