

# Yaofei Chen

## List of Publications by Year in descending order

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Version: 2024-02-01

60  
papers

1,591  
citations

257101

24  
h-index

315357

38  
g-index

60  
all docs

60  
docs citations

60  
times ranked

1297  
citing authors

#	ARTICLE	IF	CITATIONS
1	Side Polished Fiber: A Versatile Platform for Compact Fiber Devices and Sensors. <i>Photonic Sensors</i> , 2023, 13, .	2.5	12
2	One-step plasmonic welding and photolithographic patterning of silver nanowire network by UV-programable surface atom diffusion. <i>Nano Research</i> , 2022, 15, 2582-2591.	5.8	15
3	Dispersion Management for Hyperbolic-Metamaterials Based Surface Plasmon Resonance Sensor Towards Extremely High Sensitivity. <i>Journal of Lightwave Technology</i> , 2022, 40, 887-893.	2.7	10
4	MoS <sub>2</sub> -nanoflower enhanced programmable adsorption/desorption plasmonic detection for bipolar-molecules with high sensitivity. <i>Biosensors and Bioelectronics</i> , 2022, 198, 113787.	5.3	10
5	Self-assembled monolayer modulated Plateau-Rayleigh instability and enhanced chemical stability of silver nanowire for invisibly patterned, stable transparent electrodes. <i>Nano Research</i> , 2022, 15, 4552-4562.	5.8	10
6	Photon coupling-induced spectrum envelope modulation in the coupled resonators from Vernier effect to harmonic Vernier effect. <i>Nanophotonics</i> , 2022, 11, 957-966.	2.9	4
7	Cell-modified plasmonic interface for the signal-amplified detection of Cucurbitacin E. <i>Biomedical Optics Express</i> , 2022, 13, 274.	1.5	2
8	A nanodiamonds-engineered optical-fiber plasmonic interface for sensitivity-enhanced biosensing. <i>Journal of Lightwave Technology</i> , 2022, , 1-7.	2.7	1
9	Ultrahigh-sensitive and compact temperature sensor based on no-core fiber with PMMA coating. <i>Optics Express</i> , 2021, 29, 37591.	1.7	4
10	Side-polished multimode interferometer for the vector magnetic field sensing. , 2021, , .		0
11	Near-infrared tunable surface plasmon resonance sensors based on graphene plasmons <i>via</i> electrostatic gating control. <i>RSC Advances</i> , 2021, 11, 37559-37567.	1.7	5
12	A Portable Smartphone-Based Vector-Magnetometer Illuminated and Imaged via a Side-Polished-Fiber Functionalized With Magnetic Fluid. <i>IEEE Sensors Journal</i> , 2020, 20, 1283-1289.	2.4	8
13	Side-Polished Single-Mode-Multimode-Single-Mode Fiber Structure for the Vector Magnetic Field Sensing. <i>Journal of Lightwave Technology</i> , 2020, 38, 5837-5843.	2.7	33
14	Ultrasonically Patterning Silver Nanowire- <i>Acrylate</i> Composite for Highly Sensitive and Transparent Strain Sensors Based on Parallel Cracks. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 47729-47738.	4.0	41
15	Simultaneous Measurement of the Refractive Index and Temperature Based on a Hybrid Fiber Interferometer. <i>IEEE Sensors Journal</i> , 2020, 20, 13411-13417.	2.4	22
16	Optically Programmable Plateau-Rayleigh Instability for High-Resolution and Scalable Morphology Manipulation of Silver Nanowires for Flexible Optoelectronics. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 53984-53993.	4.0	16
17	A graphene-PDMS hybrid overcoating enhanced fiber plasmonic temperature sensor with high sensitivity and fast response. <i>Journal of Materials Chemistry C</i> , 2020, 8, 12893-12901.	2.7	31
18	Notice of Removal: Practical Simulation Method on Multimode-No-Core-Multimode Fiber Structure Based on the Mode Expansion. <i>IEEE Sensors Journal</i> , 2020, 20, 12758-12764.	2.4	0

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19	A MoS <sub>2</sub> nanoflower and gold nanoparticle-modified surface plasmon resonance biosensor for a sensitivity-improved immunoassay. <i>Journal of Materials Chemistry C</i> , 2020, 8, 6861-6868.	2.7	35
20	Exploiting black phosphorus based-Tamm plasmons in the terahertz region. <i>Optics Express</i> , 2020, 28, 13443.	1.7	5
21	High-performance fiber plasmonic sensor by engineering the dispersion of hyperbolic metamaterials composed of Ag/TiO <sub>2</sub> . <i>Optics Express</i> , 2020, 28, 25562.	1.7	34
22	Half-side gold-coated hetero-core fiber for highly sensitive measurement of a vector magnetic field. <i>Optics Letters</i> , 2020, 45, 4746.	1.7	18
23	Photonic cavity enhanced high-performance surface plasmon resonance biosensor. <i>Photonics Research</i> , 2020, 8, 448.	3.4	30
24	Magnetic Nanoparticles Functionalized Few-Mode-Fiber-Based Plasmonic Vector Magnetometer. <i>Nanomaterials</i> , 2019, 9, 785.	1.9	37
25	MoS <sub>2</sub> Nanosheets Modified Surface Plasmon Resonance Sensors for Sensitivity Enhancement. <i>Advanced Optical Materials</i> , 2019, 7, 1900479.	3.6	25
26	Sensitivity-Enhanced Fiber Plasmonic Sensor Utilizing Molybdenum Disulfide Nanosheets. <i>Journal of Physical Chemistry C</i> , 2019, 123, 10536-10543.	1.5	18
27	Long-Range Surface Plasmon Resonance Sensor Based on Side-Polished Fiber for Biosensing Applications. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2019, 25, 1-9.	1.9	48
28	Side-polished few-mode fiber based surface plasmon resonance biosensor. <i>Optics Express</i> , 2019, 27, 11348.	1.7	52
29	Tunable asymmetric spin splitting by black phosphorus sandwiched epsilon-near-zero-metamaterial in the terahertz region. <i>Optics Express</i> , 2019, 27, 15868.	1.7	24
30	A portable optical fiber SPR temperature sensor based on a smart-phone. <i>Optics Express</i> , 2019, 27, 25420.	1.7	48
31	Magnetic Field Sensing Based on a Ferrofluid-Coated Multimode Interferometer in a Fiber-Loop Ring-Down Cavity. <i>IEEE Sensors Journal</i> , 2018, 18, 3206-3210.	2.4	19
32	Fiber-loop ring-down interrogated refractive index sensor based on an SNS fiber structure. <i>Sensors and Actuators B: Chemical</i> , 2018, 255, 2018-2022.	4.0	49
33	High-sensitivity vector magnetic field sensor based on side-polished fiber plasmon and ferrofluid. <i>Optics Letters</i> , 2018, 43, 4743.	1.7	69
34	Plasmonic Interface Modified with Graphene Oxide Sheets Overlayer for Sensitivity Enhancement. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 34916-34923.	4.0	51
35	Numerical investigation of the thermal effect on Yb-cavity-copumped Er/Yb codoped fiber amplifiers. <i>Applied Optics</i> , 2018, 57, 1541.	0.9	7
36	Titanium dioxide nanoparticle modified plasmonic interface for enhanced refractometric and biomolecular sensing. <i>Optics Express</i> , 2018, 26, 33226.	1.7	23

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37	Sensitivity-enhanced surface plasmon sensor modified with MoSe <sub>2</sub> overlayer. Optics Express, 2018, 26, 34250.	1.7	25
38	Highly efficient Er/Yb codoped double-clad fiber amplifier with an Yb-band resonant cavity. Laser Physics Letters, 2017, 14, 025105.	0.6	16
39	Cascade co-pumping A new way of efficient pumping of high-power rare-earth co-doped fiber lasers and amplifiers. , 2017, , .		1
40	Fiber loop ring-down cavity integrated U-bent single-mode-fiber for magnetic field sensing. Photonics Research, 2016, 4, 322.	3.4	37
41	Optimal design of Er/Yb co-doped fiber amplifiers with an Yb-band fiber Bragg grating. Photonics Research, 2016, 4, 53.	3.4	12
42	Magnetic Field Sensor Based on Ferrofluid and Photonic Crystal Fiber With Offset Fusion Splicing. IEEE Photonics Technology Letters, 2016, 28, 2043-2046.	1.3	21
43	Magnetic Field and Temperature Sensing Based on a Macro-Bending Fiber Structure and an FBG. IEEE Sensors Journal, 2016, 16, 7659-7662.	2.4	19
44	Magnetic-Fluid-Coated Photonic Crystal Fiber and FBG for Magnetic Field and Temperature Sensing. IEEE Photonics Technology Letters, 2016, 28, 2665-2668.	1.3	34
45	Sensor based on macrobent fiber Bragg grating structure for simultaneous measurement of refractive index and temperature. Applied Optics, 2016, 55, 791.	2.1	52
46	A Hybrid Multimode Interference Structure-Based Refractive Index and Temperature Fiber Sensor. IEEE Sensors Journal, 2016, 16, 331-335.	2.4	63
47	All-fiber optical modulator based on no-core fiber and magnetic fluid as cladding. Chinese Physics B, 2015, 24, 014214.	0.7	11
48	Self-temperature-compensative refractometer based on singlemode-multimode-singlemode fiber structure. Sensors and Actuators B: Chemical, 2015, 212, 107-111.	4.0	45
49	Synthesis and down-conversion luminescence properties of Er <sup>3+</sup> /Yb <sup>3+</sup> co-doped AlF <sub>3</sub> PbF <sub>2</sub> CaF <sub>2</sub> powders. Optical Materials, 2015, 46, 77-81.	1.7	2
50	Temperature cross-sensitivity characteristics of singlemode-multimode-singlemode fiber structure. Review of Scientific Instruments, 2015, 86, 013108.	0.6	6
51	Spectroscopic properties of Sm <sup>3+</sup> -doped oxy-fluoride powders with various Sm <sup>3+</sup> concentration and sintering temperature. Optical Materials, 2015, 45, 239-245.	1.7	2
52	Highly efficient Er/Yb-codoped fiber amplifier with an Yb-band fiber Bragg grating. Optics Letters, 2015, 40, 2634.	1.7	23
53	Simultaneous Measurement of Refractive Index and Temperature Using a Cascaded FBG/Droplet-Like Fiber Structure. IEEE Sensors Journal, 2015, 15, 6432-6436.	2.4	45
54	Magnetic Field Sensor Based on U-Bent Single-Mode Fiber and Magnetic Fluid. IEEE Photonics Journal, 2014, 6, 1-7.	1.0	40

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55	Wavelength Dependence of the Sensitivity of All-Fiber Refractometers Based on the Single-modeâ€“Multimodeâ€“Single-mode Structure. IEEE Photonics Journal, 2014, 6, 1-7.	1.0	11
56	Actively Q-switched erbium-doped fiber ring laser with a nanosecond ceramic optical switch. Laser Physics, 2014, 24, 115102.	0.6	5
57	Reflective all-fiber current sensor based on magnetic fluids. Review of Scientific Instruments, 2014, 85, 083107.	0.6	11
58	An All-Fiber Optic Current Sensor Based on Ferrofluids and Multimode Interference. IEEE Sensors Journal, 2014, 14, 1749-1753.	2.4	28
59	U-bent single-modeâ€“multimodeâ€“single-mode fiber optic magnetic field sensor based on magnetic fluid. Applied Physics Express, 2014, 7, 072501.	1.1	37
60	Optical fiber magnetic field sensor based on single-modeâ€“multimodeâ€“single-mode structure and magnetic fluid. Optics Letters, 2013, 38, 3999.	1.7	229