

Hongyun Meng

List of Publications by Year in descending order

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49
papers

1,023
citations

471061

17
h-index

433756

31
g-index

49
all docs

49
docs citations

49
times ranked

939
citing authors

#	ARTICLE	IF	CITATIONS
1	Simultaneous measurement of refractive index and temperature based on a core-offset Mach-Zehnder interferometer combined with a fiber Bragg grating. <i>Sensors and Actuators A: Physical</i> , 2014, 209, 73-77.	2.0	144
2	Fiber Bragg grating-based fiber sensor for simultaneous measurement of refractive index and temperature. <i>Sensors and Actuators B: Chemical</i> , 2010, 150, 226-229.	4.0	82
3	Analogue Electromagnetically Induced Transparency Based on Low-loss Metamaterial and its Application in Nanosensor and Slow-light Device. <i>Plasmonics</i> , 2017, 12, 641-647.	1.8	77
4	Simultaneous measurement of refractive index and temperature based on asymmetric structures modal interference. <i>Optics Communications</i> , 2016, 364, 191-194.	1.0	65
5	High-Efficiency, Near-Diffraction Limited, Dielectric Metasurface Lenses Based on Crystalline Titanium Dioxide at Visible Wavelengths. <i>Nanomaterials</i> , 2018, 8, 288.	1.9	53
6	Humidity sensor based on a graphene oxide-coated few-mode fiber Mach-Zehnder interferometer. <i>Optics Express</i> , 2020, 28, 24682.	1.7	53
7	Simultaneous Measurement of Refractive Index and Temperature Based on Modal Interference. <i>IEEE Sensors Journal</i> , 2014, 14, 2524-2528.	2.4	50
8	Dynamically Temperature-Voltage Controlled Multifunctional Device Based on VO ₂ and Graphene Hybrid Metamaterials: Perfect Absorber and Highly Efficient Polarization Converter. <i>Nanomaterials</i> , 2019, 9, 1101.	1.9	44
9	Three Channel-Spacing Switchable Multiwavelength Fiber Laser With Two Segments of Polarization-Maintaining Fiber. <i>IEEE Photonics Technology Letters</i> , 2012, 24, 470-472.	1.3	35
10	Plasmonic-Induced Transparency and Slow-Light Effect Based on Stub Waveguide with Nanodisk Resonator. <i>Plasmonics</i> , 2016, 11, 543-550.	1.8	31
11	Hybrid Metal Graphene-Based Tunable Plasmon-Induced Transparency in Terahertz Metasurface. <i>Nanomaterials</i> , 2019, 9, 385.	1.9	27
12	Simultaneous Measurement of Temperature and Pressure by Utilizing an Integrated Mach-Zehnder. <i>Journal of Lightwave Technology</i> , 2017, 35, 4924-4929.	2.7	25
13	Near-infrared thermally modulated varifocal metalens based on the phase change material Sb ₂ S ₃ . <i>Optics Express</i> , 2021, 29, 7925.	1.7	25
14	Optical fiber temperature sensor based on a Mach-Zehnder interferometer with single-mode-thin-core-single-mode fiber structure. <i>Review of Scientific Instruments</i> , 2020, 91, 015006.	0.6	23
15	Multi-band plasmonic absorber based on hybrid metal-graphene metasurface for refractive index sensing application. <i>Results in Physics</i> , 2021, 23, 104020.	2.0	21
16	Fiber Humidity Sensor Based on a Graphene-Coated Core-Offset Mach-Zehnder Interferometer. , 2018, 2, 1-4.		20
17	Dynamically Tunable Resonant Strength in Electromagnetically Induced Transparency (EIT) Analogue by Hybrid Metal-Graphene Metamaterials. <i>Nanomaterials</i> , 2019, 9, 171.	1.9	19
18	A Polarization-Insensitive and Wide-Angle Terahertz Absorber with Ring-Porous Patterned Graphene Metasurface. <i>Nanomaterials</i> , 2020, 10, 1410.	1.9	19

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19	Broadband Filter and Adjustable Extinction Ratio Modulator Based on Metal-Graphene Hybrid Metamaterials. <i>Nanomaterials</i> , 2020, 10, 1359.	1.9	17
20	Single core-offset Mach-Zehnder interferometer coated with PVA for simultaneous measurement of relative humidity and temperature. <i>Optics Express</i> , 2021, 29, 24102.	1.7	16
21	Dynamic generation of giant linear and circular dichroism via phase-change metasurface. <i>Optics Express</i> , 2021, 29, 40759.	1.7	15
22	Metalenses Based on Symmetric Slab Waveguide and c-TiO ₂ : Efficient Polarization-Insensitive Focusing at Visible Wavelengths. <i>Nanomaterials</i> , 2018, 8, 699.	1.9	14
23	Tunable Terahertz Filters Based on Graphene Plasmonic All-Dielectric Metasurfaces. <i>Plasmonics</i> , 2018, 13, 525-530.	1.8	13
24	Ammonia Gas Sensor Based on Graphene Oxide-Coated Mach-Zehnder Interferometer with Hybrid Fiber Structure. <i>Sensors</i> , 2021, 21, 3886.	2.1	11
25	Active Modulating the Intensity of Bifocal Metalens with Electrically Tunable Barium Titanate (BTO) Nanofins. <i>Nanomaterials</i> , 2021, 11, 2023.	1.9	11
26	Dual coupled-resonator system for plasmon-induced transparency and slow light effect. <i>Optics Communications</i> , 2016, 380, 95-100.	1.0	10
27	Polarization-Independent All-Fiber Quasi-Flat-Top Comb Filter Based on a Dual-Pass Mach-Zehnder Interferometer With High Birefringence Fiber in the Second Loop. <i>IEEE Photonics Technology Letters</i> , 2012, 24, 206-208.	1.3	9
28	Plasmonically Induced Absorption and Transparency Based on Stub Waveguide with Nanodisk and Fabry-Perot Resonator. <i>Plasmonics</i> , 2017, 12, 1289-1296.	1.8	9
29	Multifunctional Sensors and Switch in MDM Waveguide With Symmetric Dual Side-Coupled Nanodisks. <i>IEEE Photonics Technology Letters</i> , 2016, 28, 2893-2896.	1.3	8
30	A Thermal Tuning Meta-Duplex-Lens (MDL): Design and Characterization. <i>Nanomaterials</i> , 2020, 10, 1135.	1.9	7
31	Generation and conversion of a dual-band Laguerre-Gaussian beam with different OAM based on a bilayer metasurface. <i>Optical Materials Express</i> , 2022, 12, 1163.	1.6	7
32	Analogue of electromagnetically induced absorption with double absorption windows in a plasmonic system. <i>PLoS ONE</i> , 2017, 12, e0179609.	1.1	6
33	Multifunctional Metasurface Lens With Tunable Focus Based on Phase Transition Material. <i>Frontiers in Physics</i> , 2021, 9, .	1.0	6
34	A new optical fiber dew point humidity sensor based on the virtual instrument. <i>Review of Scientific Instruments</i> , 2019, 90, 015115.	0.6	6
35	Hydroxyethyl cellulose sensitized SMDMS structure with optical fiber relative humidity and temperature simultaneous measurement sensor. <i>Optics Express</i> , 2022, 30, 1152.	1.7	6
36	Band-tunable achromatic metalens based on phase change material. <i>Optics Express</i> , 2022, 30, 17541.	1.7	6

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37	Electrically-Driven Zoom Metalens Based on Dynamically Controlling the Phase of Barium Titanate (BTO) Column Antennas. <i>Nanomaterials</i> , 2021, 11, 729.	1.9	5
38	A Bifunctional Silicon Dielectric Metasurface Based on Quasi-Bound States in the Continuum. <i>Nanomaterials</i> , 2021, 11, 2357.	1.9	5
39	A design of dual guided modes ring-based photonic crystal fiber supporting 170+62 OAM modes with large effective mode field area. <i>Applied Physics B: Lasers and Optics</i> , 2022, 128, 1.	1.1	5
40	A novel dew point measurement system based on the thermal effect of humidity sensitive thin film. <i>Measurement: Journal of the International Measurement Confederation</i> , 2022, 187, 110248.	2.5	4
41	A novel AIEE active anti-B ₁₈ H ₂₂ derivative-based Cu ²⁺ and Fe ³⁺ fluorescence off-on-off sensor. <i>Methods and Applications in Fluorescence</i> , 2022, 10, 035004.	1.1	4
42	A novel titration method based on fiber-optic refractive index sensing for the determination of deacetylation degree of chitosans. <i>Polymer Bulletin</i> , 2012, 69, 189-197.	1.7	3
43	All-fiber flat-top comb filter based on a Mach-Zehnder interferometer cascading a Michelson interferometer. <i>Optik</i> , 2015, 126, 1806-1808.	1.4	3
44	Dual-channel metasurfaces for independent and simultaneous display in near-field and far-field. <i>Optics Express</i> , 2022, 30, 18434.	1.7	3
45	Relative humidity sensor based on corrosive seven-core fiber coated with graphene oxide. <i>Optical Engineering</i> , 2021, 60, .	0.5	1
46	Lasing wavelength shift of ASE-injected wavelength-locked F-P LD in WDM-PON. <i>Microwave and Optical Technology Letters</i> , 2011, 53, 1522-1524.	0.9	0
47	Photon Counting Statistics of a Microwave Cavity Coupled with Double Quantum Dots. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 4934.	1.3	0
48	Flexible Control of Two-Channel Transmission and Group Delay in an Optomechanical System with Double Quantum Dots Driven by External Field. <i>Nanomaterials</i> , 2021, 11, 1554.	1.9	0
49	Electronically Controlled Time-Domain Integral Average Depolarizer Based on a Barium Titanate (BTO) Metasurface. <i>Nanomaterials</i> , 2022, 12, 1228.	1.9	0