

Hongyun Meng

List of Publications by Year in descending order

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Version: 2024-02-01

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	A novel dew point measurement system based on the thermal effect of humidity sensitive thin film. Measurement: Journal of the International Measurement Confederation, 2022, 187, 110248.	2.5	4
2	Hydroxyethyl cellulose sensitized SMDMS structure with optical fiber relative humidity and temperature simultaneous measurement sensor. Optics Express, 2022, 30, 1152.	1.7	6
3	A design of dual guided modes ring-based photonic crystal fiber supporting 170 ⁺ OAM modes with large effective mode field area. Applied Physics B: Lasers and Optics, 2022, 128, 1.	1.1	5
4	Generation and conversion of a dual-band Laguerre-Gaussian beam with different OAM based on a bilayer metasurface. Optical Materials Express, 2022, 12, 1163.	1.6	7
5	Electronically Controlled Time-Domain Integral Average Depolarizer Based on a Barium Titanate (BTO) Metasurface. Nanomaterials, 2022, 12, 1228.	1.9	0
6	A novel AIEE active anti-B ₁₈ H ₂₂ derivative-based Cu ²⁺ and Fe ³⁺ fluorescence off-on-off sensor. Methods and Applications in Fluorescence, 2022, 10, 035004.	1.1	4
7	Dual-channel metasurfaces for independent and simultaneous display in near-field and far-field. Optics Express, 2022, 30, 18434.	1.7	3
8	Band-tunable achromatic metalens based on phase change material. Optics Express, 2022, 30, 17541.	1.7	6
9	Near-infrared thermally modulated varifocal metalens based on the phase change material Sb ₂ S ₃ . Optics Express, 2021, 29, 7925.	1.7	25
10	Electrically-Driven Zoom Metalens Based on Dynamically Controlling the Phase of Barium Titanate (BTO) Column Antennas. Nanomaterials, 2021, 11, 729.	1.9	5
11	Multifunctional Metasurface Lens With Tunable Focus Based on Phase Transition Material. Frontiers in Physics, 2021, 9, .	1.0	6
12	Multi-band plasmonic absorber based on hybrid metal-graphene metasurface for refractive index sensing application. Results in Physics, 2021, 23, 104020.	2.0	21
13	Flexible Control of Two-Channel Transmission and Group Delay in an Optomechanical System with Double Quantum Dots Driven by External Field. Nanomaterials, 2021, 11, 1554.	1.9	0
14	Ammonia Gas Sensor Based on Graphene Oxide-Coated Mach-Zehnder Interferometer with Hybrid Fiber Structure. Sensors, 2021, 21, 3886.	2.1	11
15	Single core-offset Mach-Zehnder interferometer coated with PVA for simultaneous measurement of relative humidity and temperature. Optics Express, 2021, 29, 24102.	1.7	16
16	Active Modulating the Intensity of Bifocal Metalens with Electrically Tunable Barium Titanate (BTO) Nanofins. Nanomaterials, 2021, 11, 2023.	1.9	11
17	A Bifunctional Silicon Dielectric Metasurface Based on Quasi-Bound States in the Continuum. Nanomaterials, 2021, 11, 2357.	1.9	5
18	Dynamic generation of giant linear and circular dichroism via phase-change metasurface. Optics Express, 2021, 29, 40759.	1.7	15

#	ARTICLE	IF	CITATIONS
19	Relative humidity sensor based on corrosive seven-core fiber coated with graphene oxide. <i>Optical Engineering</i> , 2021, 60, .	0.5	1
20	Broadband Filter and Adjustable Extinction Ratio Modulator Based on Metal-Graphene Hybrid Metamaterials. <i>Nanomaterials</i> , 2020, 10, 1359.	1.9	17
21	A Polarization-Insensitive and Wide-Angle Terahertz Absorber with Ring-Porous Patterned Graphene Metasurface. <i>Nanomaterials</i> , 2020, 10, 1410.	1.9	19
22	A Thermal Tuning Meta-Duplex-Lens (MDL): Design and Characterization. <i>Nanomaterials</i> , 2020, 10, 1135.	1.9	7
23	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
24	Humidity sensor based on a graphene oxide-coated few-mode fiber Mach-Zehnder interferometer. <i>Optics Express</i> , 2020, 28, 24682.	1.7	53
25	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
26	Dynamically Tunable Resonant Strength in Electromagnetically Induced Transparency (EIT) Analogue by Hybrid Metal-Graphene Metamaterials. <i>Nanomaterials</i> , 2019, 9, 171.	1.9	19
27	Hybrid Metal Graphene-Based Tunable Plasmon-Induced Transparency in Terahertz Metasurface. <i>Nanomaterials</i> , 2019, 9, 385.	1.9	27
28	Photon Counting Statistics of a Microwave Cavity Coupled with Double Quantum Dots. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 4934.	1.3	0
29	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
30	Tunable Terahertz Filters Based on Graphene Plasmonic All-Dielectric Metasurfaces. <i>Plasmonics</i> , 2018, 13, 525-530.	1.8	13
31	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
32	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
33	Fiber Humidity Sensor Based on a Graphene-Coated Core-Offset Mach-Zehnder Interferometer. , 2018, 2, 1-4.		20
34	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
35	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
36	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

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37	Analogue of electromagnetically induced absorption with double absorption windows in a plasmonic system. PLoS ONE, 2017, 12, e0179609.	1.1	6
38	Multifunctional Sensors and Switch in MDM Waveguide With Symmetric Dual Side-Coupled Nanodisks. IEEE Photonics Technology Letters, 2016, 28, 2893-2896.	1.3	8
39	Dual coupled-resonator system for plasmon-induced transparency and slow light effect. Optics Communications, 2016, 380, 95-100.	1.0	10
40	Simultaneous measurement of refractive index and temperature based on asymmetric structures modal interference. Optics Communications, 2016, 364, 191-194.	1.0	65
41	Plasmonic-Induced Transparency and Slow-Light Effect Based on Stub Waveguide with Nanodisk Resonator. Plasmonics, 2016, 11, 543-550.	1.8	31
42	All-fiber flat-top comb filter based on a Mach-Zehnder interferometer cascading a Michelson interferometer. Optik, 2015, 126, 1806-1808.	1.4	3
43	Simultaneous measurement of refractive index and temperature based on a core-offset Mach-Zehnder interferometer combined with a fiber Bragg grating. Sensors and Actuators A: Physical, 2014, 209, 73-77.	2.0	144
44	Simultaneous Measurement of Refractive Index and Temperature Based on Modal Interference. IEEE Sensors Journal, 2014, 14, 2524-2528.	2.4	50
45	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. IEEE Photonics Technology Letters, 2012, 24, 206-208.	1.3	9
46	Three Channel-Spacing Switchable Multiwavelength Fiber Laser With Two Segments of Polarization-Maintaining Fiber. IEEE Photonics Technology Letters, 2012, 24, 470-472.	1.3	35
47	A novel titration method based on fiber-optic refractive index sensing for the determination of deacetylation degree of chitosans. Polymer Bulletin, 2012, 69, 189-197.	1.7	3
48	Lasing wavelength shift of ASE-injected wavelength-locked F-P LD in WDM-PON. Microwave and Optical Technology Letters, 2011, 53, 1522-1524.	0.9	0
49	Fiber Bragg grating-based fiber sensor for simultaneous measurement of refractive index and temperature. Sensors and Actuators B: Chemical, 2010, 150, 226-229.	4.0	82