

Hai Liu

List of Publications by Year in descending order

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44
papers

490
citations

687335

13
h-index

713444

21
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46
all docs

46
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46
times ranked

590
citing authors

#	ARTICLE	IF	CITATIONS
1	D-Shaped Tellurite Photonic Crystal Fiber Hydrogen and Methane Sensor Based on Four-Wave Mixing With SPR Effect. <i>Photonic Sensors</i> , 2023, 13, .	5.0	6
2	Terahertz Based Thickness Measurement of Thermal Barrier Coatings Using Long Short-Term Memory Networks and Local Extrema. <i>IEEE Transactions on Industrial Informatics</i> , 2022, 18, 2508-2517.	11.3	10
3	High-Sensitive Numerical Gas Detection Using LSPR Effect and Fano Resonance in a Slotted MDM Structure. <i>Photonic Sensors</i> , 2022, 12, 164-174.	5.0	3
4	Dual-broadband terahertz absorber based on phase transition characteristics of VO ₂ . <i>Results in Physics</i> , 2022, 34, 105270.	4.1	15
5	Narrow-spectrum enhanced multiparameter gas sensor based on Fano resonance in an asymmetric MDM waveguide. <i>Optics and Laser Technology</i> , 2022, 150, 107941.	4.6	5
6	A highly sensitive sensor of methane and hydrogen in tellurite photonic crystal fiber based on four-wave mixing. <i>Optical and Quantum Electronics</i> , 2022, 54, .	3.3	6
7	Simultaneous Measurements of Refractive Index and Methane Concentration through Electromagnetic Fano Resonance Coupling in All-Dielectric Metasurface. <i>Sensors</i> , 2021, 21, 3612.	3.8	4
8	High-sensitive gas-mixture detection based on Mie resonance in slotted MDM metasurface. <i>Optik</i> , 2021, 242, 167096.	2.9	2
9	High-Sensitive Multi-Gas Detection Based on MDM Waveguide With Symmetric Dual Side-Coupled Ring-Resonators. <i>IEEE Sensors Journal</i> , 2021, 21, 20841-20849.	4.7	0
10	Electroless Plating of Ni Nanoparticles on WC to Assist Its Pressureless Sintering of WC-Ni Cemented Carbide with Enhanced Mechanical and Corrosion-resistant Performance. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2021, 36, 786-795.	1.0	1
11	Simultaneous measurement of magnetic field and temperature based on surface plasmon resonance in twin-core photonic crystal fiber. <i>Optik</i> , 2020, 203, 164007.	2.9	19
12	High-sensitive measurements of refractive-index and magnetic-field based on liquid-infiltrated photonic crystal fiber with an elliptically-shaped core. <i>Optical and Quantum Electronics</i> , 2020, 52, 1.	3.3	1
13	High-Sensitive Gas-Mixture Detection Using Localized Surface Plasmon Resonance Behavior in an Optimized MDM Array. <i>IEEE Sensors Journal</i> , 2020, 20, 13444-13450.	4.7	5
14	Design of methane sensor based on slow light effect in hollow core photonic crystal fiber. <i>Sensors and Actuators A: Physical</i> , 2020, 303, 111791.	4.1	6
15	High sensitive methane sensor based on twin-core photonic crystal fiber with compound film-coated side-holes. <i>Optical and Quantum Electronics</i> , 2020, 52, 1.	3.3	10
16	A High-Sensitivity Methane Sensor with Localized Surface Plasmon Resonance Behavior in an Improved Hexagonal Gold Nanoring Array. <i>Sensors</i> , 2019, 19, 4803.	3.8	19
17	A method for single-band and multiband filters design based on right trapezoid half-mode substrate integrated waveguide. <i>Microwave and Optical Technology Letters</i> , 2019, 61, 963-967.	1.4	0
18	Highly sensitive and temperature-compensated fiber bending sensing based on directional resonance coupling in photonic crystal fibers. <i>Optical Fiber Technology</i> , 2019, 47, 164-171.	2.7	5

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19	A filter design method based on higher-order modes of fan-shaped half-mode substrate integrated waveguide resonator. IEICE Electronics Express, 2019, 16, 20190039-20190039.	0.8	4
20	High Sensitive Methane Sensor With Temperature Compensation Based on Selectively Liquid-Infiltrated Photonic Crystal Fibers. Photonic Sensors, 2019, 9, 213-222.	5.0	15
21	Transverse-Stress Compensated Methane Sensor Based on Long-Period Grating in Photonic Crystal Fiber. IEEE Access, 2019, 7, 175522-175530.	4.2	14
22	Temperature-compensated methane sensor with high sensitivity based on directional coupling in photonic crystal fibers. , 2018, , .		1
23	Simultaneous measurement of temperature and magnetic field based on surface plasmon resonance and Sagnac interference in a D-shaped photonic crystal fiber. Optical and Quantum Electronics, 2018, 50, 1.	3.3	21
24	Simultaneous measurement of hydrogen and methane based on PCF-SPR structure with compound film-coated side-holes. Optical Fiber Technology, 2018, 45, 1-7.	2.7	55
25	Simultaneous measurement of temperature and magnetic field based on cascaded photonic crystal fibers with surface plasmon resonance. Optik, 2017, 134, 257-263.	2.9	12
26	Multi-parameters measurement based on cascaded Bragg gratings in magnetic fluid-infiltrated photonic crystal fibre. Journal of Modern Optics, 2017, 64, 887-894.	1.3	10
27	Simultaneous measurement of temperature and magnetic field based on directional resonance coupling in photonic crystal fibers. Optics Communications, 2017, 391, 111-115.	2.1	16
28	Simultaneous dual-parameter measurement based on dual-channel surface plasmon resonance in photonic crystal fiber. Optik, 2017, 145, 582-588.	2.9	19
29	Simultaneous measurement of refractive-index and temperature with high sensitivity by combined use of long-period grating and defect cavity in photonic crystal fibers. Optical and Quantum Electronics, 2017, 49, 1.	3.3	6
30	Firstâ€Principles Study on Doping of SnSe₂ Monolayers. ChemPhysChem, 2016, 17, 375-379.	2.1	30
31	Temperature-insensitive strain measurement using in-fiber Bragg gratings inscribed in photonic crystal fiber. Optical and Quantum Electronics, 2016, 48, 1.	3.3	1
32	Quasi quarter SIWâ€mode resonator and its application to sierpinski fractal filter design. Microwave and Optical Technology Letters, 2016, 58, 1176-1179.	1.4	2
33	Stable gold nanoparticles as a novel peroxidase mimic for colorimetric detection of cysteine. Analytical Methods, 2016, 8, 2494-2501.	2.7	51
34	Stress sensing characteristics of two-dimensional photonic crystal cross-waveguide geometry. Optical and Quantum Electronics, 2015, 47, 3825-3835.	3.3	0
35	Effective control over the dual-color emitted light waves from one-dimensional random media pumped by Femtosecond-Lasing Pulses. Optical and Quantum Electronics, 2014, 46, 797-808.	3.3	0
36	Tuning electronic and magnetic properties of SnSe₂ armchair nanoribbons via edge hydrogenation. Journal of Materials Chemistry C, 2014, 2, 10175-10183.	5.5	17

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37	Versatile Electronic and Magnetic Properties of SnSe ₂ Nanostructures Induced by the Strain. Journal of Physical Chemistry C, 2014, 118, 9251-9260.	3.1	68
38	Edge-, width- and strain-dependent semiconductor-metal transition in SnSe nanoribbons. RSC Advances, 2014, 4, 6933.	3.6	23
39	Theoretical research on the random lasing from two-dimensional anisotropic media consisted of liquid crystal and mixed dye. Optical and Quantum Electronics, 2013, 45, 209-219.	3.3	1
40	Research on dual-color laser emission in two-dimensional scattering gain media. Journal of Modern Optics, 2011, 58, 674-679.	1.3	7
41	Competition between Two Lasing Modes in Dual-Colour Emission from Highly Scattering Media. , 2011, , .		0
42	Hydrothermal Synthesis and Photoluminescence Properties of Zinc Oxide Crystals with Controllable Morphology. , 2011, , .		0
43	The Influence of Randomness on Threshold Property of Two-Dimensional Disordered Media with Uniaxial Scatterers. , 2011, , .		0
44	Synthesis and Novel Properties of Alkyl Thiophosphoramidate Derivatives of Nucleosides. Chinese Journal of Chemistry, 2002, 20, 492-496.	4.9	0