

Zijian Cui

List of Publications by Year in descending order

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Version: 2024-02-01

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papers

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citing authors

#	ARTICLE	IF	CITATIONS
1	Significant sensing performance of an all-silicon terahertz metasurface chip for <i>Bacillus thuringiensis</i> Cry1Ac protein. <i>Photonics Research</i> , 2022, 10, 740.	3.4	13
2	A novel terahertz metasurface based on a single-walled carbon nanotube film for sensing application. <i>Journal of Materials Chemistry A</i> , 2022, 10, 1780-1787.	5.2	18
3	Ensemble learning: a bidirectional framework for designing data-driven THz composite metamaterials. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2022, 39, 835.	0.9	3
4	All-silicon periodic and non-periodic THz metasurface for sensing applications. <i>Optical Materials</i> , 2022, 126, 112206.	1.7	3
5	Vanadium Dioxide-Based Terahertz Metamaterial Devices Switchable between Transmission and Absorption. <i>Micromachines</i> , 2022, 13, 715.	1.4	19
6	Ultra-high Q resonances governed by quasi-bound states in the continuum in all-dielectric THz metamaterials. <i>Optics Communications</i> , 2022, 520, 128555.	1.0	9
7	Absorption-Mode Splitting of Terahertz Metamaterial Mediated by Coupling of Spoof Surface Plasmon Polariton. <i>IEEE Transactions on Terahertz Science and Technology</i> , 2021, 11, 626-634.	2.0	6
8	Multi-band terahertz resonant absorption based on an all-dielectric grating metasurface for chlorpyrifos sensing. <i>Optics Express</i> , 2021, 29, 13563.	1.7	32
9	Carbon nanotube-based flexible metamaterials for THz sensing. <i>Optical Materials Express</i> , 2021, 11, 1470.	1.6	20
10	A Bidirectional Ensemble Learning Framework for Target-Oriented Metamaterial Designs. <i>Advanced Photonics Research</i> , 2021, 2, 2100158.	1.7	2
11	Properties and Sensing Performance of THz Metasurface Based on Carbon Nanotube and Microfluidic Channel. <i>Frontiers in Physics</i> , 2021, 9, .	1.0	4
12	All-silicon terahertz metamaterials absorber and pesticides sensing. <i>Terahertz Science & Technology</i> , 2021, 14, 31-43.	0.5	1
13	Sensitive detection of chlorpyrifos pesticide using an all-dielectric broadband terahertz metamaterial absorber. <i>Sensors and Actuators B: Chemical</i> , 2020, 307, 127642.	4.0	50
14	Excitation of Surface Plasmon Resonance on Multiwalled Carbon Nanotube Metasurfaces for Pesticide Sensors. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 52082-52088.	4.0	55
15	Optically tunable single narrow band all-dielectric terahertz metamaterials absorber. <i>AIP Advances</i> , 2020, 10, 045039.	0.6	8
16	Sensitive Detection of Trace Pesticide Residue Implemented by Terahertz All-Dielectric Metamaterial. , 2020, , .		1
17	All-Dielectric Terahertz Plasmonic Metamaterial Absorbers and High-Sensitivity Sensing. <i>ACS Omega</i> , 2019, 4, 18645-18652.	1.6	40
18	Composite Metamaterials for THz Perfect Absorption. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2019, 216, 1800940.	0.8	11

#	ARTICLE	IF	CITATIONS
19	Composite Metamaterials for THz Perfect Absorption. Physica Status Solidi (A) Applications and Materials Science, 2019, 216, 1970025.	0.8	2
20	Polarization Controlled Discrete Frequency-tunable Terahertz Absorber. , 2019, , .		0
21	Multiband terahertz absorber and selective sensing performance. Optics Express, 2019, 27, 14133.	1.7	19
22	Development of frequency-tunable multiple-band terahertz absorber based on control of polarization angles. Optics Express, 2019, 27, 22190.	1.7	20
23	Tailoring terahertz surface plasmon wave through free-standing multi-walled carbon nanotubes metasurface. Optics Express, 2018, 26, 15343.	1.7	16