

Yue Wang

List of Publications by Year in descending order

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40
papers

867
citations

566801

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500791

28
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all docs

40
docs citations

40
times ranked

674
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | A silicon-based metasurface for terahertz sensing. <i>Optics Communications</i> , 2022, 506, 127572. | 1.0 | 9 |
| 2 | Carbon Nanotubes Film Integrated With Silicon Microfluidic Channel for a Novel Composite THz Metasurface. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2022, 28, 1-8. | 1.9 | 5 |
| 3 | 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 |
| 4 | 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 |
| 5 | 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 |
| 6 | All-silicon periodic and non-periodic THz metasurface for sensing applications. <i>Optical Materials</i> , 2022, 126, 112206. | 1.7 | 3 |
| 7 | Electromagnetically induced transparency based on a carbon nanotube film terahertz metasurface. <i>Optics Express</i> , 2022, 30, 15436. | 1.7 | 12 |
| 8 | 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 |
| 9 | Terahertz fingerprint characterization of 2,4-dichlorophenoxyacetic acid and its enhanced detection in food matrices combined with spectral baseline correction. <i>Food Chemistry</i> , 2021, 334, 127474. | 4.2 | 21 |
| 10 | 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 |
| 11 | 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 |
| 12 | Carbon nanotube-based flexible metamaterials for THz sensing. <i>Optical Materials Express</i> , 2021, 11, 1470. | 1.6 | 20 |
| 13 | Terahertz dual-band metamaterial absorber for trace indole-3-acetic acid and tricyclazole molecular detection based on spectral response analysis. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021, 263, 120222. | 2.0 | 10 |
| 14 | A Bidirectional Ensemble Learning Framework for Target-Oriented Metamaterial Designs. <i>Advanced Photonics Research</i> , 2021, 2, 2100158. | 1.7 | 2 |
| 15 | 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 |
| 16 | Properties and Sensing Performance of All-Dielectric Metasurface THz Absorbers. <i>IEEE Transactions on Terahertz Science and Technology</i> , 2020, 10, 599-605. | 2.0 | 61 |
| 17 | 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 |
| 18 | Optically tunable single narrow band all-dielectric terahertz metamaterials absorber. <i>AIP Advances</i> , 2020, 10, 045039. | 0.6 | 8 |

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|----|--|-----|-----------|
| 19 | All-Dielectric Terahertz Plasmonic Metamaterial Absorbers and High-Sensitivity Sensing. ACS Omega, 2019, 4, 18645-18652. | 1.6 | 40 |
| 20 | Optically Modulated Ultra-Broadband All-Silicon Metamaterial Terahertz Absorbers. ACS Photonics, 2019, 6, 830-837. | 3.2 | 161 |
| 21 | Composite Metamaterials for THz Perfect Absorption. Physica Status Solidi (A) Applications and Materials Science, 2019, 216, 1800940. | 0.8 | 11 |
| 22 | Dynamical switching of electromagnetically induced reflectance in complementary terahertz metamaterials. Optics Communications, 2019, 448, 98-103. | 1.0 | 13 |
| 23 | Composite Metamaterials for THz Perfect Absorption. Physica Status Solidi (A) Applications and Materials Science, 2019, 216, 1970025. | 0.8 | 2 |
| 24 | Multiband terahertz absorber and selective sensing performance. Optics Express, 2019, 27, 14133. | 1.7 | 19 |
| 25 | Development of frequency-tunable multiple-band terahertz absorber based on control of polarization angles. Optics Express, 2019, 27, 22190. | 1.7 | 20 |
| 26 | Terahertz Dispersion Characteristics of Super-aligned Multi-walled Carbon Nanotubes and Enhanced Transmission through Subwavelength Apertures. Scientific Reports, 2018, 8, 2087. | 1.6 | 18 |
| 27 | Tailoring terahertz surface plasmon wave through free-standing multi-walled carbon nanotubes metasurface. Optics Express, 2018, 26, 15343. | 1.7 | 16 |
| 28 | Transmission properties of terahertz waves through asymmetric rectangular aperture arrays on carbon nanotube films. AIP Advances, 2016, 6, 045304. | 0.6 | 2 |
| 29 | Broadband extraordinary terahertz transmission through super-aligned carbon nanotubes film. Optics Express, 2016, 24, 15730. | 1.7 | 15 |
| 30 | Anisotropic Properties of Ultra-Thin Freestanding Multi-Walled Carbon Nanotubes Film for Terahertz Polarizer Application. IEEE Transactions on Terahertz Science and Technology, 2016, 6, 278-283. | 2.0 | 10 |
| 31 | Terahertz Wave Electric Field Oscillation from Single-Walled Carbon Nanotube Antenna. Integrated Ferroelectrics, 2014, 153, 120-125. | 0.3 | 2 |
| 32 | Electromagnetic scattering of the carbon nanotubes excited by an electric line source. Chinese Physics B, 2012, 21, 014212. | 0.7 | 5 |
| 33 | The nonlinear dynamic response of microbeam of MEMS capacitive switch under mechanical shock. Analog Integrated Circuits and Signal Processing, 2012, 72, 19-26. | 0.9 | 1 |
| 34 | DUAL-BAND TERAHERTZ METAMATERIAL ABSORBER WITH POLARIZATION INSENSITIVITY AND WIDE INCIDENT ANGLE. Progress in Electromagnetics Research, 2011, 115, 381-397. | 1.6 | 93 |
| 35 | 3D broadband isotropic NRI metamaterial based on metallic cross-pairs. Journal of Magnetism and Magnetic Materials, 2011, 323, 2425-2428. | 1.0 | 13 |
| 36 | Thin-film sensor based tip-shaped split ring resonator metamaterial for microwave application. Microsystem Technologies, 2010, 16, 1735-1739. | 1.2 | 54 |

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|----|--|-----|-----------|
| 37 | MEMS switches controlled multi-split ring resonator as a tunable metamaterial component. <i>Microsystem Technologies</i> , 2010, 16, 1831-1837. | 1.2 | 8 |
| 38 | Electrochemical Properties of Poly($\hat{1}\pm$ -methylbenzyl dipropargylamine) Prepared by the Cyclopolymerization of $\hat{1}\pm$ -Methylbenzyl dipropargylamine. <i>Molecular Crystals and Liquid Crystals</i> , 2009, 498, 175-182. | 0.4 | 4 |
| 39 | Radiation Properties of Carbon Nanotubes Antenna at Terahertz/Infrared Range. <i>Journal of Infrared, Millimeter and Terahertz Waves</i> , 2008, 29, 35-42. | 0.6 | 21 |
| 40 | Terahertz generation in the carbon nanotube antenna. , 2008, , . | | 2 |