

Wendao Xu

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

1,018
citations

759233

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1058476

14
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16
times ranked

943
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Pesticide detection with covalent-organic-framework nanofilms at terahertz band. Biosensors and Bioelectronics, 2022, 209, 114274. | 10.1 | 13 |
| 2 | Label-free terahertz microfluidic biosensor for sensitive DNA detection using graphene-metasurface hybrid structures. Biosensors and Bioelectronics, 2021, 188, 113336. | 10.1 | 101 |
| 3 | Metamaterial-free 2D Materials Enabled Terahertz Flexible Sensors for Molecular Detection and Recognition. , 2021, , . | | 0 |
| 4 | Multifunctional Macroassembled Graphene Nanofilms with High Crystallinity. Advanced Materials, 2021, 33, e2104195. | 21.0 | 30 |
| 5 | Ultrahigh-Sensitivity Molecular Sensing with Carbon Nanotube Terahertz Metamaterials. ACS Applied Materials & Interfaces, 2020, 12, 40629-40634. | 8.0 | 55 |
| 6 | Metamaterial-Free Flexible Graphene-Enabled Terahertz Sensors for Pesticide Detection at Bio-Interface. ACS Applied Materials & Interfaces, 2020, 12, 44281-44287. | 8.0 | 59 |
| 7 | Optically enhanced terahertz modulation and sensing in aqueous environment with gold nanorods. Optics and Lasers in Engineering, 2020, 133, 106147. | 3.8 | 8 |
| 8 | Biological applications of terahertz technology based on nanomaterials and nanostructures. Nanoscale, 2019, 11, 3445-3457. | 5.6 | 74 |
| 9 | Terahertz biosensing with a graphene-metamaterial heterostructure platform. Carbon, 2019, 141, 247-252. | 10.3 | 156 |
| 10 | Terahertz sensing of methyl chlorpyrifos using carbon nanotube metamaterials. , 2019, , . | | 0 |
| 11 | Terahertz Imaging Applications in Agriculture and Food Engineering: A Review. Transactions of the ASABE, 2018, 61, 411-424. | 1.1 | 25 |
| 12 | Metallic mesh devices-based terahertz parallel-plate resonators: characteristics and applications. Optics Express, 2018, 26, 24992. | 3.4 | 9 |
| 13 | Mechanisms and applications of terahertz metamaterial sensing: a review. Nanoscale, 2017, 9, 13864-13878. | 5.6 | 299 |
| 14 | Terahertz sensing of chlorpyrifos-methyl using metamaterials. Food Chemistry, 2017, 218, 330-334. | 8.2 | 51 |
| 15 | Gold Nanoparticle-Based Terahertz Metamaterial Sensors: Mechanisms and Applications. ACS Photonics, 2016, 3, 2308-2314. | 6.6 | 103 |
| 16 | Discrimination of Transgenic Rice containing the Cry1Ab Protein using Terahertz Spectroscopy and Chemometrics. Scientific Reports, 2015, 5, 11115. | 3.3 | 35 |