

# Wendao Xu

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2568330/publications.pdf>

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16  
papers

1,018  
citations

758635

12  
h-index

1058022

14  
g-index

16  
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16  
docs citations

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.	5.3	13
2	Label-free terahertz microfluidic biosensor for sensitive DNA detection using graphene-metasurface hybrid structures. Biosensors and Bioelectronics, 2021, 188, 113336.	5.3	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.	11.1	30
5	Ultrahigh-Sensitivity Molecular Sensing with Carbon Nanotube Terahertz Metamaterials. ACS Applied Materials & Interfaces, 2020, 12, 40629-40634.	4.0	55
6	Metamaterial-Free Flexible Graphene-Enabled Terahertz Sensors for Pesticide Detection at Bio-Interface. ACS Applied Materials & Interfaces, 2020, 12, 44281-44287.	4.0	59
7	Optically enhanced terahertz modulation and sensing in aqueous environment with gold nanorods. Optics and Lasers in Engineering, 2020, 133, 106147.	2.0	8
8	Biological applications of terahertz technology based on nanomaterials and nanostructures. Nanoscale, 2019, 11, 3445-3457.	2.8	74
9	Terahertz biosensing with a graphene-metamaterial heterostructure platform. Carbon, 2019, 141, 247-252.	5.4	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.	1.7	9
13	Mechanisms and applications of terahertz metamaterial sensing: a review. Nanoscale, 2017, 9, 13864-13878.	2.8	299
14	Terahertz sensing of chlorpyrifos-methyl using metamaterials. Food Chemistry, 2017, 218, 330-334.	4.2	51
15	Gold Nanoparticle-Based Terahertz Metamaterial Sensors: Mechanisms and Applications. ACS Photonics, 2016, 3, 2308-2314.	3.2	103
16	Discrimination of Transgenic Rice containing the Cry1Ab Protein using Terahertz Spectroscopy and Chemometrics. Scientific Reports, 2015, 5, 11115.	1.6	35