

# Yingxin Wang

## List of Publications by Year in descending order

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Version: 2024-02-01

48  
papers

1,116  
citations

471509

17  
h-index

454955

30  
g-index

49  
all docs

49  
docs citations

49  
times ranked

1580  
citing authors

#	ARTICLE	IF	CITATIONS
1	Terahertz Detectors Based on Carbon Nanomaterials. <i>Advanced Functional Materials</i> , 2022, 32, 2107499.	14.9	19
2	Metamaterials-Based Photoelectric Conversion: From Microwave to Optical Range. <i>Laser and Photonics Reviews</i> , 2022, 16, .	8.7	11
3	Ultra-wideband self-powered photodetector based on suspended reduced graphene oxide with asymmetric metal contacts. <i>RSC Advances</i> , 2021, 11, 19482-19491.	3.6	10
4	Multi-Polarization Information Fusion for Object Contour Display in Passive Millimeter-Wave and Terahertz Security Imaging. , 2020, , .		2
5	Ultrabroadband, Fast, and Flexible Photodetector Based on HfTe <sub>5</sub> Crystal. <i>Advanced Optical Materials</i> , 2020, 8, 2000833.	7.3	25
6	Ionic Liquid Gating Enhanced Photothermoelectric Conversion in Three-Dimensional Microporous Graphene. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 28510-28519.	8.0	13
7	Thermal Localization Enhanced Fast Photothermoelectric Response in a Quasi-One-Dimensional Flexible NbS <sub>3</sub> Photodetector. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 14165-14173.	8.0	35
8	Localized Electromagnetic Resonance Enabled THz Photothermoelectric Detection in Graphene. <i>Frontiers in Physics</i> , 2020, 8, .	2.1	6
9	Strongly enhanced local electromagnetic field in mid-infrared and terahertz photodetectors employing a hybrid antenna. <i>AIP Advances</i> , 2020, 10, 015048.	1.3	6
10	Efficient room-temperature terahertz detection via bolometric and photothermoelectric effects in EuBiTe <sub>3</sub> crystal. <i>Optical Materials Express</i> , 2020, 10, 952.	3.0	9
11	Polarization-sensitive photodetectors based on three-dimensional molybdenum disulfide (MoS <sub>2</sub> ) field-effect transistors. <i>Nanophotonics</i> , 2020, 9, 4719-4728.	6.0	19
12	Ultra-broadband self-powered reduced graphene oxide photodetectors with annealing temperature-dependent responsivity. <i>Carbon</i> , 2019, 153, 274-284.	10.3	30
13	Three-Dimensional Graphene Field-Effect Transistors as High-Performance Photodetectors. <i>Nano Letters</i> , 2019, 19, 1494-1503.	9.1	113
14	Dynamics of Optically Mutual-injected Terahertz Quantum Cascade Lasers. , 2019, , .		0
15	Annealing Temperature-Dependent Terahertz Thermal-Electrical Conversion Characteristics of Three-Dimensional Microporous Graphene. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 6411-6420.	8.0	40
16	Ultrabroadband, Sensitive, and Fast Photodetection with Needle-Like EuBiSe <sub>3</sub> Single Crystal. <i>ACS Photonics</i> , 2019, 6, 895-903.	6.6	40
17	Reduction degree regulated room-temperature terahertz direct detection based on fully suspended and low-temperature thermally reduced graphene oxides. <i>Carbon</i> , 2019, 144, 193-201.	10.3	19
18	Enhancement of Terahertz-Induced Photothermoelectric Effect in a Carbon Nanotube Fiber by 3D Porous Graphene. , 2018, , .		0

#	ARTICLE	IF	CITATIONS
19	Photothermal Conversion and Fast Response Properties of 3D Graphene Foam in the Terahertz Range. , 2018, , .		0
20	High-Performance, Ultra-Broadband, Ultraviolet to Terahertz Photodetectors Based on Suspended Carbon Nanotube Films. ACS Applied Materials & Interfaces, 2018, 10, 36304-36311.	8.0	64
21	Ultrabroadband photosensitivity from visible to terahertz at room temperature. Science Advances, 2018, 4, eaao3057.	10.3	55
22	Terahertz Streaking of Few-Femtosecond Relativistic Electron Beams. Physical Review X, 2018, 8, .	8.9	61
23	Highly conductive free-standing reduced graphene oxide thin films for fast photoelectric devices. Carbon, 2017, 115, 561-570.	10.3	56
24	A proposal for phase-locked arrays of terahertz quantum cascade lasers. , 2017, , .		0
25	Mid-Infrared-Pumped quantum cascade structure for terahertz detection. , 2017, , .		0
26	A wide-band three-dimensional submillimeter-wave imaging system based on vector network analyzer. , 2016, , .		1
27	Terahertz-induced photothermoelectric response in graphene-metal contact structures. Journal Physics D: Applied Physics, 2016, 49, 425101.	2.8	31
28	Range Resolution Enhancement for Three-Dimensional Millimeter-Wave Holographic Imaging. IEEE Antennas and Wireless Propagation Letters, 2016, 15, 1422-1425.	4.0	18
29	Exact Reconstruction for Near-Field Three-Dimensional Planar Millimeter-Wave Holographic Imaging. Journal of Infrared, Millimeter, and Terahertz Waves, 2015, 36, 1221-1236.	2.2	33
30	Algebraic reconstruction technique for millimeter-wave holographic imaging. , 2015, , .		0
31	Ultra-broadband and high response of the Bi<sub>2</sub>Te<sub>3</sub>â€“Si heterojunction and its application as a photodetector at room temperature in harsh working environments. Nanoscale, 2015, 7, 12535-12541.	5.6	214
32	Terahertz photodetector based on double-walled carbon nanotube macrobundleâ€“metal contacts. Optics Express, 2015, 23, 13348.	3.4	24
33	Total variance regularization for millimeter-wave holographic imaging. , 2014, , .		3
34	Room-temperature terahertz detection by carbon nanotube/metal heterostructures. , 2014, , .		0
35	Identification and quantitative analysis of chemical compounds based on multiscale linear fitting of terahertz spectra. Optical Engineering, 2014, 53, 074102.	1.0	8
36	Photocurrent response of carbon nanotubeâ€“metal heterojunctions in the terahertz range. Optics Express, 2014, 22, 5895.	3.4	15

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37	Ultra-Broadband Photodetector for the Visible to Terahertz Range by Self-Assembling Reduced Graphene Oxide-Silicon Nanowire Array Heterojunctions. <i>Small</i> , 2014, 10, 2345-2351.	10.0	109
38	Terahertz response of carbon nanotube/metal heterojunctions. , 2013, , .		0
39	An automatic unfolding method for terahertz spectra. , 2013, , .		0
40	Electric field analysis for the design of LT-GaAs photoconductive terahertz antennas. , 2012, , .		0
41	Calibration of a thermal detector for pulse energy measurement of terahertz radiation. <i>Optics Letters</i> , 2012, 37, 4395.	3.3	7
42	Characterization of Golay detector for the absolute power measurement of terahertz radiation. , 2012, , .		0
43	A method for removing echoes in the terahertz time-domain spectroscopy system. , 2012, , .		1
44	Diffraction enhanced imaging with pulsed terahertz radiation. , 2009, , .		0
45	Restoration of terahertz signals distorted by atmospheric water vapor absorption. <i>Journal of Applied Physics</i> , 2009, 105, 103105.	2.5	10
46	Suppression of spectral interferences due to water-vapor rotational transitions in terahertz time-domain spectroscopy. <i>Optics Letters</i> , 2008, 33, 1354.	3.3	9
47	Investigation of material identification with terahertz pulsed imaging. , 2008, , .		0
48	A quantitative method for detecting explosive materials using terahertz spectroscopy. , 2007, , .		0