

# Yue Wang

## List of Publications by Year in descending order

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40  
papers

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citations

566801

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500791

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40  
docs citations

40  
times ranked

674  
citing authors

#	ARTICLE	IF	CITATIONS
1	Optically Modulated Ultra-Broadband All-Silicon Metamaterial Terahertz Absorbers. ACS Photonics, 2019, 6, 830-837.	3.2	161
2	DUAL-BAND TERAHERTZ METAMATERIAL ABSORBER WITH POLARIZATION INSENSITIVITY AND WIDE INCIDENT ANGLE. Progress in Electromagnetics Research, 2011, 115, 381-397.	1.6	93
3	Properties and Sensing Performance of All-Dielectric Metasurface THz Absorbers. IEEE Transactions on Terahertz Science and Technology, 2020, 10, 599-605.	2.0	61
4	Excitation of Surface Plasmon Resonance on Multiwalled Carbon Nanotube Metasurfaces for Pesticide Sensors. ACS Applied Materials & Interfaces, 2020, 12, 52082-52088.	4.0	55
5	Thin-film sensor based tip-shaped split ring resonator metamaterial for microwave application. Microsystem Technologies, 2010, 16, 1735-1739.	1.2	54
6	Sensitive detection of chlorpyrifos pesticide using an all-dielectric broadband terahertz metamaterial absorber. Sensors and Actuators B: Chemical, 2020, 307, 127642.	4.0	50
7	All-Dielectric Terahertz Plasmonic Metamaterial Absorbers and High-Sensitivity Sensing. ACS Omega, 2019, 4, 18645-18652.	1.6	40
8	Multi-band terahertz resonant absorption based on an all-dielectric grating metasurface for chlorpyrifos sensing. Optics Express, 2021, 29, 13563.	1.7	32
9	Radiation Properties of Carbon Nanotubes Antenna at Terahertz/Infrared Range. Journal of Infrared, Millimeter and Terahertz Waves, 2008, 29, 35-42.	0.6	21
10	Terahertz fingerprint characterization of 2,4-dichlorophenoxyacetic acid and its enhanced detection in food matrices combined with spectral baseline correction. Food Chemistry, 2021, 334, 127474.	4.2	21
11	Carbon nanotube-based flexible metamaterials for THz sensing. Optical Materials Express, 2021, 11, 1470.	1.6	20
12	Development of frequency-tunable multiple-band terahertz absorber based on control of polarization angles. Optics Express, 2019, 27, 22190.	1.7	20
13	Multiband terahertz absorber and selective sensing performance. Optics Express, 2019, 27, 14133.	1.7	19
14	Terahertz Dispersion Characteristics of Super-aligned Multi-walled Carbon Nanotubes and Enhanced Transmission through Subwavelength Apertures. Scientific Reports, 2018, 8, 2087.	1.6	18
15	A novel terahertz metasurface based on a single-walled carbon nanotube film for sensing application. Journal of Materials Chemistry A, 2022, 10, 1780-1787.	5.2	18
16	Tailoring terahertz surface plasmon wave through free-standing multi-walled carbon nanotubes metasurface. Optics Express, 2018, 26, 15343.	1.7	16
17	Broadband extraordinary terahertz transmission through super-aligned carbon nanotubes film. Optics Express, 2016, 24, 15730.	1.7	15
18	3D broadband isotropic NRI metamaterial based on metallic cross-pairs. Journal of Magnetism and Magnetic Materials, 2011, 323, 2425-2428.	1.0	13

#	ARTICLE	IF	CITATIONS
19	Dynamical switching of electromagnetically induced reflectance in complementary terahertz metamaterials. <i>Optics Communications</i> , 2019, 448, 98-103.	1.0	13
20	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
21	Electromagnetically induced transparency based on a carbon nanotube film terahertz metasurface. <i>Optics Express</i> , 2022, 30, 15436.	1.7	12
22	Composite Metamaterials for THz Perfect Absorption. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2019, 216, 1800940.	0.8	11
23	Anisotropic Properties of Ultra-Thin Freestanding Multi-Walled Carbon Nanotubes Film for Terahertz Polarizer Application. <i>IEEE Transactions on Terahertz Science and Technology</i> , 2016, 6, 278-283.	2.0	10
24	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
25	A silicon-based metasurface for terahertz sensing. <i>Optics Communications</i> , 2022, 506, 127572.	1.0	9
26	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
27	MEMS switches controlled multi-split ring resonator as a tunable metamaterial component. <i>Microsystem Technologies</i> , 2010, 16, 1831-1837.	1.2	8
28	Optically tunable single narrow band all-dielectric terahertz metamaterials absorber. <i>AIP Advances</i> , 2020, 10, 045039.	0.6	8
29	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
30	Electromagnetic scattering of the carbon nanotubes excited by an electric line source. <i>Chinese Physics B</i> , 2012, 21, 014212.	0.7	5
31	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
32	Electrochemical Properties of Poly( $\pm$ -methylbenzyl dipropargylamine) Prepared by the Cyclopolymerization of $\pm$ -Methylbenzyl dipropargylamine. <i>Molecular Crystals and Liquid Crystals</i> , 2009, 498, 175-182.	0.4	4
33	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
34	All-silicon periodic and non-periodic THz metasurface for sensing applications. <i>Optical Materials</i> , 2022, 126, 112206.	1.7	3
35	Terahertz generation in the carbon nanotube antenna. , 2008, , .		2
36	Terahertz Wave Electric Field Oscillation from Single-Walled Carbon Nanotube Antenna. <i>Integrated Ferroelectrics</i> , 2014, 153, 120-125.	0.3	2

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37	Transmission properties of terahertz waves through asymmetric rectangular aperture arrays on carbon nanotube films. <i>AIP Advances</i> , 2016, 6, 045304.	0.6	2
38	Composite Metamaterials for THz Perfect Absorption. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2019, 216, 1970025.	0.8	2
39	A Bidirectional Ensemble Learning Framework for Target-Oriented Metamaterial Designs. <i>Advanced Photonics Research</i> , 2021, 2, 2100158.	1.7	2
40	The nonlinear dynamic response of microbeam of MEMS capacitive switch under mechanical shock. <i>Analog Integrated Circuits and Signal Processing</i> , 2012, 72, 19-26.	0.9	1