

Jianqiang Gu

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

54
papers

3,053
citations

23
h-index

55
g-index

67
ext. papers

3,687
ext. citations

6
avg, IF

4.77
L-index

#	Paper	IF	Citations
54	On/off Switching of Valley Topological Edge States in the Terahertz Region. <i>IEEE Photonics Journal</i> , 2022 , 1-1	1.8	0
53	Negative refraction in twisted hyperbolic metasurfaces. <i>Nanophotonics</i> , 2021 ,	6.3	1
52	Multifunctional All-Dielectric Metasurfaces for Terahertz Multiplexing. <i>Advanced Optical Materials</i> , 2021 , 9, 2100506	8.1	7
51	Photoconductive Meta-Antenna Enabling Terahertz Amplitude Spectrum Manipulation. <i>Advanced Photonics Research</i> , 2021 , 2, 2000036	1.9	0
50	Achromatic Dielectric Metasurface with Linear Phase Gradient in the Terahertz Domain. <i>Advanced Optical Materials</i> , 2021 , 9, 2001403	8.1	9
49	Terahertz Switchable Focusing Planar Lens with a Nanoscale Vanadium Dioxide Integrated Metasurface. <i>IEEE Transactions on Terahertz Science and Technology</i> , 2021 , 1-1	3.4	2
48	Simultaneous Manipulation of Electric and Magnetic Surface Waves by Topological Hyperbolic Metasurfaces. <i>ACS Applied Electronic Materials</i> , 2021 , 3, 4203-4209	4	2
47	Terahertz single-pixel near-field imaging based on active tunable subwavelength metallic grating. <i>Applied Physics Letters</i> , 2020 , 116, 241106	3.4	5
46	Terahertz Meta-Holograms Reconstruction Based on Compressed Sensing. <i>IEEE Photonics Journal</i> , 2020 , 12, 1-9	1.8	3
45	All-Dielectric Metasurface-Based Quad-Beam Splitter in the Terahertz Regime. <i>IEEE Photonics Journal</i> , 2020 , 12, 1-10	1.8	5
44	Electrically Tunable Perfect Terahertz Absorber Based on a Graphene Salisbury Screen Hybrid Metasurface. <i>Advanced Optical Materials</i> , 2020 , 8, 1900660	8.1	42
43	Anomalous Wave Propagation in Topological Transition Metasurfaces. <i>Advanced Optical Materials</i> , 2019 , 7, 1801483	8.1	10
42	Water Dynamics in the Hydration Shell of Amphiphilic Macromolecules. <i>Journal of Physical Chemistry B</i> , 2019 , 123, 2971-2977	3.4	5
41	Coupling-Mediated Selective Spin-to-Plasmonic-Orbital Angular Momentum Conversion. <i>Advanced Optical Materials</i> , 2019 , 7, 1900713	8.1	6
40	Ultra-broadband microwave metamaterial absorber with tetramethylurea inclusion. <i>Optics Express</i> , 2019 , 27, 25595-25602	3.3	12
39	Active control of polarization-dependent near-field coupling in hybrid metasurfaces. <i>Applied Physics Letters</i> , 2018 , 113, 061111	3.4	19
38	All-Dielectric Meta-Holograms with Holographic Images Transforming Longitudinally. <i>ACS Photonics</i> , 2018 , 5, 599-606	6.3	39

37	High-Efficiency Dielectric Metasurfaces for Polarization-Dependent Terahertz Wavefront Manipulation. <i>Advanced Optical Materials</i> , 2018 , 6, 1700773	8.1	92
36	From Terahertz Surface Waves to Spoof Surface Plasmon Polaritons 2018 ,		1
35	. <i>IEEE Photonics Journal</i> , 2018 , 10, 1-9	1.8	19
34	Plasmonic Analog of Electromagnetically Induced Transparency in Stereo Metamaterials. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2017 , 23, 1-7	3.8	13
33	Polarization-controlled surface plasmon holography. <i>Laser and Photonics Reviews</i> , 2017 , 11, 1600212	8.3	36
32	Aperiodic-metamaterial-based absorber. <i>APL Materials</i> , 2017 , 5, 096107	5.7	11
31	Dielectric properties of MgO λ nO λ iO λ 2-based ceramics at 1 MHz and THz frequencies. <i>Journal of Materials Science</i> , 2017 , 52, 9335-9343	4.3	10
30	Broadband non-polarizing terahertz beam splitters with variable split ratio. <i>Applied Physics Letters</i> , 2017 , 111, 071101	3.4	45
29	All-Dielectric Meta-lens Designed for Photoconductive Terahertz Antennas. <i>IEEE Photonics Journal</i> , 2017 , 9, 1-9	1.8	11
28	Multi-wavelength lenses for terahertz surface wave. <i>Optics Express</i> , 2017 , 25, 24872-24879	3.3	2
27	Full-State Controls of Terahertz Waves Using Tensor Coding Metasurfaces. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 21503-21514	9.5	46
26	Polarization and Frequency Multiplexed Terahertz Meta-Holography. <i>Advanced Optical Materials</i> , 2017 , 5, 1700277	8.1	33
25	Asymmetric excitation of surface plasmons by dark mode coupling. <i>Science Advances</i> , 2016 , 2, e1501142	14.3	39
24	A Broadband THz-TDS System Based on DSTMS Emitter and LTG InGaAs/InAlAs Photoconductive Antenna Detector. <i>Scientific Reports</i> , 2016 , 6, 26949	4.9	23
23	Broadband metasurface holograms: toward complete phase and amplitude engineering. <i>Scientific Reports</i> , 2016 , 6, 32867	4.9	103
22	Frequency-agile electromagnetically induced transparency analogue in terahertz metamaterials. <i>Optics Letters</i> , 2016 , 41, 4562-4565	3	58
21	Plasmonic metalens based on coupled resonators for focusing of surface plasmons. <i>Scientific Reports</i> , 2016 , 6, 37861	4.9	6
20	Near-field surface plasmons on quasicrystal metasurfaces. <i>Scientific Reports</i> , 2016 , 6, 26	4.9	14

19	Tailoring electromagnetic responses in terahertz superconducting metamaterials. <i>Frontiers of Optoelectronics</i> , 2015 , 8, 44-56	2.8	5
18	Anomalous Surface Wave Launching by Handedness Phase Control. <i>Advanced Materials</i> , 2015 , 27, 7123-24	2.4	38
17	Dynamic mode coupling in terahertz metamaterials. <i>Scientific Reports</i> , 2015 , 5, 10823	4.9	31
16	Broadband time-domain terahertz radar: Cross section measurement and imaging 2015 ,		2
15	A Broadband Metasurface-Based Terahertz Flat-Lens Array. <i>Advanced Optical Materials</i> , 2015 , 3, 779-785	8.1	127
14	Broadband Terahertz Transparency in a Switchable Metasurface. <i>IEEE Photonics Journal</i> , 2015 , 7, 1-8	1.8	18
13	Highly flexible broadband terahertz metamaterial quarter-wave plate. <i>Laser and Photonics Reviews</i> , 2014 , 8, 626-632	8.3	165
12	Broadband Terahertz Wave Deflection Based on C-shape Complex Metamaterials with Phase Discontinuities (Adv. Mater. 33/2013). <i>Advanced Materials</i> , 2013 , 25, 4566-4566	24	25
11	A Metamaterial-Based Terahertz Low-Pass Filter With Low Insertion Loss and Sharp Rejection. <i>IEEE Transactions on Terahertz Science and Technology</i> , 2013 , 3, 832-837	3.4	24
10	A perfect metamaterial polarization rotator. <i>Applied Physics Letters</i> , 2013 , 103, 171107	3.4	243
9	Plasmon-induced transparency in terahertz metamaterials. <i>Science China Information Sciences</i> , 2013 , 56, 1-18	3.4	8
8	Broadband terahertz wave deflection based on C-shape complex metamaterials with phase discontinuities. <i>Advanced Materials</i> , 2013 , 25, 4567-72	24	258
7	Active control of electromagnetically induced transparency analogue in terahertz metamaterials. <i>Nature Communications</i> , 2012 , 3, 1151	17.4	783
6	Electromagnetically induced transparency in terahertz plasmonic metamaterials via dual excitation pathways of the dark mode. <i>Applied Physics Letters</i> , 2012 , 100, 131101	3.4	181
5	Triple-band terahertz metamaterial absorber: Design, experiment, and physical interpretation. <i>Applied Physics Letters</i> , 2012 , 101, 154102	3.4	331
4	Membrane metamaterial resonators with a sharp resonance: A comprehensive study towards practical terahertz filters and sensors. <i>AIP Advances</i> , 2012 , 2, 022109	1.5	24
3	Modulating the fundamental inductive-capacitive resonance in asymmetric double-split ring terahertz metamaterials. <i>Applied Physics Letters</i> , 2011 , 98, 121114	3.4	41
2	Role of mode coupling on transmission properties of subwavelength composite hole-patch structures. <i>Applied Physics Letters</i> , 2010 , 96, 251102	3.4	14

1 Rotated Pillars for Functional Integrated On-Chip Terahertz Spoof Surface-Plasmon-Polariton Devices. *Advanced Optical Materials*, 2102561 8.1 6