

Jianqiang Gu

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54
papers

3,053
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23
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55
g-index

67
ext. papers

3,687
ext. citations

6
avg, IF

4.77
L-index

| # | Paper | IF | Citations |
|----|---|------|-----------|
| 54 | Active control of electromagnetically induced transparency analogue in terahertz metamaterials. <i>Nature Communications</i> , 2012 , 3, 1151 | 17.4 | 783 |
| 53 | Triple-band terahertz metamaterial absorber: Design, experiment, and physical interpretation. <i>Applied Physics Letters</i> , 2012 , 101, 154102 | 3.4 | 331 |
| 52 | Broadband terahertz wave deflection based on C-shape complex metamaterials with phase discontinuities. <i>Advanced Materials</i> , 2013 , 25, 4567-72 | 24 | 258 |
| 51 | A perfect metamaterial polarization rotator. <i>Applied Physics Letters</i> , 2013 , 103, 171107 | 3.4 | 243 |
| 50 | 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 |
| 49 | Highly flexible broadband terahertz metamaterial quarter-wave plate. <i>Laser and Photonics Reviews</i> , 2014 , 8, 626-632 | 8.3 | 165 |
| 48 | A Broadband Metasurface-Based Terahertz Flat-Lens Array. <i>Advanced Optical Materials</i> , 2015 , 3, 779-785 | 8.1 | 127 |
| 47 | Broadband metasurface holograms: toward complete phase and amplitude engineering. <i>Scientific Reports</i> , 2016 , 6, 32867 | 4.9 | 103 |
| 46 | High-Efficiency Dielectric Metasurfaces for Polarization-Dependent Terahertz Wavefront Manipulation. <i>Advanced Optical Materials</i> , 2018 , 6, 1700773 | 8.1 | 92 |
| 45 | Frequency-agile electromagnetically induced transparency analogue in terahertz metamaterials. <i>Optics Letters</i> , 2016 , 41, 4562-4565 | 3 | 58 |
| 44 | Full-State Controls of Terahertz Waves Using Tensor Coding Metasurfaces. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 21503-21514 | 9.5 | 46 |
| 43 | Broadband non-polarizing terahertz beam splitters with variable split ratio. <i>Applied Physics Letters</i> , 2017 , 111, 071101 | 3.4 | 45 |
| 42 | Electrically Tunable Perfect Terahertz Absorber Based on a Graphene Salisbury Screen Hybrid Metasurface. <i>Advanced Optical Materials</i> , 2020 , 8, 1900660 | 8.1 | 42 |
| 41 | Modulating the fundamental inductive-capacitive resonance in asymmetric double-split ring terahertz metamaterials. <i>Applied Physics Letters</i> , 2011 , 98, 121114 | 3.4 | 41 |
| 40 | Asymmetric excitation of surface plasmons by dark mode coupling. <i>Science Advances</i> , 2016 , 2, e1501142 | 14.3 | 39 |
| 39 | All-Dielectric Meta-Holograms with Holographic Images Transforming Longitudinally. <i>ACS Photonics</i> , 2018 , 5, 599-606 | 6.3 | 39 |
| 38 | Anomalous Surface Wave Launching by Handedness Phase Control. <i>Advanced Materials</i> , 2015 , 27, 7123-24 | 9.4 | 38 |

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| 37 | Polarization-controlled surface plasmon holography. <i>Laser and Photonics Reviews</i> , 2017 , 11, 1600212 | 8.3 | 36 |
| 36 | Polarization and Frequency Multiplexed Terahertz Meta-Holography. <i>Advanced Optical Materials</i> , 2017 , 5, 1700277 | 8.1 | 33 |
| 35 | Dynamic mode coupling in terahertz metamaterials. <i>Scientific Reports</i> , 2015 , 5, 10823 | 4.9 | 31 |
| 34 | 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 |
| 33 | 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 |
| 32 | 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 |
| 31 | 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 |
| 30 | Active control of polarization-dependent near-field coupling in hybrid metasurfaces. <i>Applied Physics Letters</i> , 2018 , 113, 061111 | 3.4 | 19 |
| 29 | . <i>IEEE Photonics Journal</i> , 2018 , 10, 1-9 | 1.8 | 19 |
| 28 | Broadband Terahertz Transparency in a Switchable Metasurface. <i>IEEE Photonics Journal</i> , 2015 , 7, 1-8 | 1.8 | 18 |
| 27 | Role of mode coupling on transmission properties of subwavelength composite hole-patch structures. <i>Applied Physics Letters</i> , 2010 , 96, 251102 | 3.4 | 14 |
| 26 | Near-field surface plasmons on quasicrystal metasurfaces. <i>Scientific Reports</i> , 2016 , 6, 26 | 4.9 | 14 |
| 25 | 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 |
| 24 | Ultra-broadband microwave metamaterial absorber with tetramethylurea inclusion. <i>Optics Express</i> , 2019 , 27, 25595-25602 | 3.3 | 12 |
| 23 | Aperiodic-metamaterial-based absorber. <i>APL Materials</i> , 2017 , 5, 096107 | 5.7 | 11 |
| 22 | All-Dielectric Meta-lens Designed for Photoconductive Terahertz Antennas. <i>IEEE Photonics Journal</i> , 2017 , 9, 1-9 | 1.8 | 11 |
| 21 | Anomalous Wave Propagation in Topological Transition Metasurfaces. <i>Advanced Optical Materials</i> , 2019 , 7, 1801483 | 8.1 | 10 |
| 20 | Dielectric properties of MgO \cdot nO \cdot iO $_2$ -based ceramics at 1 MHz and THz frequencies. <i>Journal of Materials Science</i> , 2017 , 52, 9335-9343 | 4.3 | 10 |

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| 19 | Achromatic Dielectric Metasurface with Linear Phase Gradient in the Terahertz Domain. <i>Advanced Optical Materials</i> , 2021 , 9, 2001403 | 8.1 | 9 |
| 18 | Plasmon-induced transparency in terahertz metamaterials. <i>Science China Information Sciences</i> , 2013 , 56, 1-18 | 3.4 | 8 |
| 17 | Multifunctional All-Dielectric Metasurfaces for Terahertz Multiplexing. <i>Advanced Optical Materials</i> , 2021 , 9, 2100506 | 8.1 | 7 |
| 16 | Coupling-Mediated Selective Spin-to-Plasmonic-Orbital Angular Momentum Conversion. <i>Advanced Optical Materials</i> , 2019 , 7, 1900713 | 8.1 | 6 |
| 15 | Plasmonic metalens based on coupled resonators for focusing of surface plasmons. <i>Scientific Reports</i> , 2016 , 6, 37861 | 4.9 | 6 |
| 14 | Rotated Pillars for Functional Integrated On-Chip Terahertz Spoof Surface-Plasmon-Polariton Devices. <i>Advanced Optical Materials</i> , 2102561 | 8.1 | 6 |
| 13 | Water Dynamics in the Hydration Shell of Amphiphilic Macromolecules. <i>Journal of Physical Chemistry B</i> , 2019 , 123, 2971-2977 | 3.4 | 5 |
| 12 | Tailoring electromagnetic responses in terahertz superconducting metamaterials. <i>Frontiers of Optoelectronics</i> , 2015 , 8, 44-56 | 2.8 | 5 |
| 11 | Terahertz single-pixel near-field imaging based on active tunable subwavelength metallic grating. <i>Applied Physics Letters</i> , 2020 , 116, 241106 | 3.4 | 5 |
| 10 | All-Dielectric Metasurface-Based Quad-Beam Splitter in the Terahertz Regime. <i>IEEE Photonics Journal</i> , 2020 , 12, 1-10 | 1.8 | 5 |
| 9 | Terahertz Meta-Holograms Reconstruction Based on Compressed Sensing. <i>IEEE Photonics Journal</i> , 2020 , 12, 1-9 | 1.8 | 3 |
| 8 | Multi-wavelength lenses for terahertz surface wave. <i>Optics Express</i> , 2017 , 25, 24872-24879 | 3.3 | 2 |
| 7 | Broadband time-domain terahertz radar: Cross section measurement and imaging 2015 , | | 2 |
| 6 | 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 |
| 5 | Simultaneous Manipulation of Electric and Magnetic Surface Waves by Topological Hyperbolic Metasurfaces. <i>ACS Applied Electronic Materials</i> , 2021 , 3, 4203-4209 | 4 | 2 |
| 4 | Negative refraction in twisted hyperbolic metasurfaces. <i>Nanophotonics</i> , 2021 , | 6.3 | 1 |
| 3 | From Terahertz Surface Waves to Spoof Surface Plasmon Polaritons 2018 , | | 1 |
| 2 | Photoconductive Meta-Antenna Enabling Terahertz Amplitude Spectrum Manipulation. <i>Advanced Photonics Research</i> , 2021 , 2, 2000036 | 1.9 | 0 |

- 1 On/off Switching of Valley Topological Edge States in the Terahertz Region. *IEEE Photonics Journal*, **2022**, 1-1 1.8 ○