# Jianqiang Gu

## List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/1499814/publications.pdf

Version: 2024-02-01

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|---|---|---|---|
| 67 papers | 4,223 citations | 218381 26 h-index | 168136 53 g-index |
| 67 all docs | 67 docs citations | 67 times ranked | 3144 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Terahertz Switchable Focusing Planar Lens With a Nanoscale Vanadium Dioxide Integrated Metasurface. IEEE Transactions on Terahertz Science and Technology, 2022, 12, 13-22. | 2.0 | 19 |
| 2 | Negative refraction in twisted hyperbolic metasurfaces. Nanophotonics, 2022, 11, 1977-1987. | 2.9 | 10 |
| 3 | Rotated Pillars for Functional Integrated Onâ€Chip Terahertz Spoof Surfaceâ€Plasmonâ€Polariton Devices. Advanced Optical Materials, 2022, 10, . | 3.6 | 23 |
| 4 | On/Off Switching of Valley Topological Edge States in the Terahertz Region. IEEE Photonics Journal, 2022, 14, 1-6. | 1.0 | 6 |
| 5 | Multichannel terahertz quasi-perfect vortex beams generation enabled by multifunctional metasurfaces. Nanophotonics, 2022, 11, 3631-3640. | 2.9 | 17 |
| 6 | Photoconductive Metaâ€Antenna Enabling Terahertz Amplitude Spectrum Manipulation. Advanced Photonics Research, 2021, 2, 2000036. | 1.7 | 5 |
| 7 | Achromatic Dielectric Metasurface with Linear Phase Gradient in the Terahertz Domain. Advanced Optical Materials, 2021, 9, 2001403. | 3.6 | 27 |
| 8 | Multifunctional Allâ€Dielectric Metasurfaces for Terahertz Multiplexing. Advanced Optical Materials, 2021, 9, 2100506. | 3.6 | 24 |
| 9 | Simultaneous Manipulation of Electric and Magnetic Surface Waves by Topological Hyperbolic Metasurfaces. ACS Applied Electronic Materials, 2021, 3, 4203-4209. | 2.0 | 8 |
| 10 | Broadband Terahertz Achromatic Metasurface with Linear Spatial Phase Gradients. , 2021, , . | | 0 |
| 11 | Multifunctional dielectric terahertz metasurfaces via spin-decoupled phase control. , 2021, , . | | 0 |
| 12 | H-type Photoconductive Antennas Manipulated by Nano- And Micron-Scale Meta-Atoms. , 2021, , . | | 1 |
| 13 | Multifunctional Spatial Mode Multiplexers Based on All-Dielectric Metasurfaces Working at Terahertz Frequencies. , 2021, , . | | 0 |
| 14 | Electrically Tunable Perfect Terahertz Absorber Based on a Graphene Salisbury Screen Hybrid Metasurface. Advanced Optical Materials, 2020, 8, 1900660. | 3.6 | 79 |
| 15 | All-Dielectric Metasurface-Based Quad-Beam Splitter in the Terahertz Regime. IEEE Photonics Journal, 2020, 12, 1-10. | 1.0 | 11 |
| 16 | Terahertz single-pixel near-field imaging based on active tunable subwavelength metallic grating. Applied Physics Letters, 2020, 116, . | 1.5 | 14 |
| 17 | Terahertz Meta-Holograms Reconstruction Based on Compressed Sensing. IEEE Photonics Journal, 2020, 12, 1-9. | 1.0 | 4 |
| 18 | Couplingâ€Mediated Selective Spinâ€toâ€Plasmonicâ€Orbital Angular Momentum Conversion. Advanced Optical Materials, 2019, 7, 1900713. | 3.6 | 11 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Anomalous Wave Propagation in Topological Transition Metasurfaces. Advanced Optical Materials, 2019, 7, 1801483. | 3.6 | 13 |
| 20 | Water Dynamics in the Hydration Shell of Amphiphilic Macromolecules. Journal of Physical Chemistry B, 2019, 123, 2971-2977. | 1.2 | 10 |
| 21 | High-Performance and Low-Crosstalk Terahertz Plasmonic Crossings. , 2019, , . | | 0 |
| 22 | Ultra-broadband microwave metamaterial absorber with tetramethylurea inclusion. Optics Express, 2019, 27, 25595. | 1.7 | 20 |
| 23 | All-Dielectric Meta-Holograms with Holographic Images Transforming Longitudinally. ACS Photonics, 2018, 5, 599-606. | 3.2 | 58 |
| 24 | Highâ€Efficiency Dielectric Metasurfaces for Polarizationâ€Dependent Terahertz Wavefront Manipulation. Advanced Optical Materials, 2018, 6, 1700773. | 3.6 | 137 |
| 25 | From Terahertz Surface Waves to Spoof Surface Plasmon Polaritons. , 2018, , . | | 1 |
| 26 | Anisotropic Plasmonic Response of Black Phosphorus Nanostrips in Terahertz Metamaterials. IEEE Photonics Journal, 2018, 10, 1-9. | 1.0 | 24 |
| 27 | Active control of polarization-dependent near-field coupling in hybrid metasurfaces. Applied Physics Letters, 2018, 113, . | 1.5 | 28 |
| 28 | Plasmonic Analog of Electromagnetically Induced Transparency in Stereo Metamaterials. IEEE Journal of Selected Topics in Quantum Electronics, 2017, 23, 1-7. | 1.9 | 18 |
| 29 | Polarizationâ€controlled surface plasmon holography. Laser and Photonics Reviews, 2017, 11, 1600212. | 4.4 | 55 |
| 30 | Aperiodic-metamaterial-based absorber. APL Materials, 2017, 5, . | 2.2 | 23 |
| 31 | Broadband non-polarizing terahertz beam splitters with variable split ratio. Applied Physics Letters, 2017, 111, . | 1.5 | 67 |
| 32 | All-Dielectric Meta-lens Designed for Photoconductive Terahertz Antennas. IEEE Photonics Journal, 2017, 9, 1-9. | 1.0 | 19 |
| 33 | Multi-wavelength lenses for terahertz surface wave. Optics Express, 2017, 25, 24872. | 1.7 | 7 |
| 34 | Dielectric properties of MgOâ€“ZnOâ€“TiO2-based ceramics at 1ÂMHz and THz frequencies. Journal of Materials Science, 2017, 52, 9335-9343. | 1.7 | 17 |
| 35 | Polarization and Frequency Multiplexed Terahertz Metaâ€Holography. Advanced Optical Materials, 2017, 5, 1700277. | 3.6 | 54 |
| 36 | Full-State Controls of Terahertz Waves Using Tensor Coding Metasurfaces. ACS Applied Materials & Interfaces, 2017, 9, 21503-21514. | 4.0 | 66 |

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|---|---|---|---|
| 37 | Frequency-agile electromagnetically induced transparency analogue in terahertz metamaterials. Optics Letters, 2016, 41, 4562. | 1.7 | 67 |
| 38 | Plasmonic metalens based on coupled resonators for focusing of surface plasmons. Scientific Reports, 2016, 6, 37861. | 1.6 | 9 |
| 39 | Near-field surface plasmons on quasicrystal metasurfaces. Scientific Reports, 2016, 6, 26. | 1.6 | 27 |
| 40 | Asymmetric excitation of surface plasmons by dark mode coupling. Science Advances, 2016, 2, e1501142. | 4.7 | 57 |
| 41 | A Broadband THz-TDS System Based on DSTMS Emitter and LTG InGaAs/InAlAs Photoconductive Antenna Detector. Scientific Reports, 2016, 6, 26949. | 1.6 | 32 |
| 42 | Broadband metasurface holograms: toward complete phase and amplitude engineering. Scientific Reports, 2016, 6, 32867. | 1.6 | 160 |
| 43 | Terahertz dielectric properties of MgO-TiO<inf>2</inf>-ZnO based ceramics. , 2015, , . | | 0 |
| 44 | Anomalous Surface Wave Launching by Handedness Phase Control. Advanced Materials, 2015, 27, 7123-7129. | 11.1 | 54 |
| 45 | Dynamic mode coupling in terahertz metamaterials. Scientific Reports, 2015, 5, 10823. | 1.6 | 41 |
| 46 | Broadband time-domain terahertz radar: Cross section measurement and imaging. , 2015, , . | | 3 |
| 47 | Active terahertz modulations based on graphene-silicon hybrid structures. , 2015, , . | | 0 |
| 48 | A Broadband Metasurfaceâ€Based Terahertz Flatâ€Lens Array. Advanced Optical Materials, 2015, 3, 779-785. | 3.6 | 175 |
| 49 | Broadband Terahertz Transparency in a Switchable Metasurface. IEEE Photonics Journal, 2015, 7, 1-8. | 1.0 | 23 |
| 50 | Tailoring electromagnetic responses in terahertz superconducting metamaterials. Frontiers of Optoelectronics, 2015, 8, 44-56. | 1.9 | 6 |
| 51 | Metamaterial induced terahertz transparency and absorption. , 2014, , . | | 0 |
| 52 | Highly flexible broadband terahertz metamaterial quarterâ€wave plate. Laser and Photonics Reviews, 2014, 8, 626-632. | 4.4 | 217 |
| 53 | Active graphene-silicon hybrid metamaterial devices. , 2014, , . | | 0 |
| 54 | Broadband Terahertz Wave Deflection Based on Câ€shape Complex Metamaterials with Phase Discontinuities (Adv. Mater. 33/2013). Advanced Materials, 2013, 25, 4566-4566. | 11.1 | 28 |

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|---|---|---|---|
| 55 | A Metamaterial-Based Terahertz Low-Pass Filter With Low Insertion Loss and Sharp Rejection. IEEE Transactions on Terahertz Science and Technology, 2013, 3, 832-837. | 2.0 | 28 |
| 56 | A perfect metamaterial polarization rotator. Applied Physics Letters, 2013, 103, . | 1.5 | 318 |
| 57 | Plasmon-induced transparency in terahertz metamaterials. Science China Information Sciences, 2013, 56, 1-18. | 2.7 | 17 |
| 58 | Broadband Terahertz Wave Deflection Based on Câ€shape Complex Metamaterials with Phase Discontinuities. Advanced Materials, 2013, 25, 4567-4572. | 11.1 | 353 |
| 59 | Broadband and high-efficient terahertz wave deflection based on C-shaped complex metamaterials with phase discontinuities. , 2013, , . | | 0 |
| 60 | Triple-band terahertz metamaterial absorber: Design, experiment, and physical interpretation. Applied Physics Letters, 2012, 101, . | 1.5 | 404 |
| 61 | Membrane metamaterial resonators with a sharp resonance: A comprehensive study towards practical terahertz filters and sensors. AIP Advances, 2012, 2, . | 0.6 | 30 |
| 62 | Plasmon-induced transparency in terahertz metamaterials. , 2012, , . | | 0 |
| 63 | Active control of electromagnetically induced transparency analogue in terahertz metamaterials. Nature Communications, 2012, 3, 1151. | 5.8 | 1,008 |
| 64 | Electromagnetically induced transparency in terahertz plasmonic metamaterials via dual excitation pathways of the dark mode. Applied Physics Letters, 2012, 100, . | 1.5 | 229 |
| 65 | Modulating the fundamental inductive-capacitive resonance in asymmetric double-split ring terahertz metamaterials. Applied Physics Letters, 2011, 98, 121114. | 1.5 | 45 |
| 66 | Role of mode coupling on transmission properties of subwavelength composite hole-patch structures. Applied Physics Letters, 2010, 96, 251102. | 1.5 | 16 |
| 67 | Experimental Study of the Transmission and Reflection Properties of Very Deep Zero-order Metallic Gratings with Subwavelength Slits in THz Frequency Region. , 2006, , . | | 0 |