# Gaofeng Liang

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/7572436/publications.pdf

Version: 2024-02-01

| | | 567281 | 580821 |
|---|---|---|---|
| 27 | 634 | 15 | 25 |
| papers | citations | h-index | g-index |

| | | | |
|---|---|---|---|
| 27 | 27 | 27 | 482 |
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Roadmap on superoscillations. Journal of Optics (United Kingdom), 2019, 21, 053002. | 2.2 | 111 |
| 2 | Squeezing Bulk Plasmon Polaritons through Hyperbolic Metamaterials for Large Area Deep Subwavelength Interference Lithography. Advanced Optical Materials, 2015, 3, 1248-1256. | 7.3 | 68 |
| 3 | All-dielectric metalens for terahertz wave imaging. Optics Express, 2018, 26, 14132. | 3.4 | 58 |
| 4 | Broadband Achromatic Subâ€Diffraction Focusing by an Amplitudeâ€Modulated Terahertz Metalens. Advanced Optical Materials, 2020, 8, 2000842. | 7.3 | 43 |
| 5 | Sub-wavelength tight-focusing of terahertz waves by polarization-independent high-numerical-aperture dielectric metalens. Optics Express, 2018, 26, 29817. | 3.4 | 34 |
| 6 | Plasmonic Lithography Utilizing Epsilon Near Zero Hyperbolic Metamaterial. ACS Nano, 2017, 11, 9863-9868. | 14.6 | 33 |
| 7 | Achieving pattern uniformity in plasmonic lithography by spatial frequency selection. Nanophotonics, 2018, 7, 277-286. | 6.0 | 27 |
| 8 | Optimization-free approach for generating sub-diffraction quasi-non-diffracting beams. Optics Express, 2018, 26, 16585. | 3.4 | 27 |
| 9 | Generating a three-dimensional hollow spot with sub-diffraction transverse size by a focused cylindrical vector wave. Optics Express, 2018, 26, 7866. | 3.4 | 26 |
| 10 | Highâ€Numericalâ€Aperture Dielectric Metalens for Superâ€Resolution Focusing of Oblique Incident Light. Advanced Optical Materials, 2020, 8, 1901885. | 7.3 | 26 |
| 11 | Broadband Dielectric Metalens for Polarization Manipulating and Superoscillation Focusing of Visible Light. ACS Photonics, 2020, 7, 180-189. | 6.6 | 23 |
| 12 | Holographic Super-Resolution Metalens for Achromatic Sub-Wavelength Focusing. ACS Photonics, 2021, 8, 2294-2303. | 6.6 | 22 |
| 13 | Optimization-free approach for broadband achromatic metalens of high-numerical-aperture with high-index dielectric metasurface. Journal Physics D: Applied Physics, 2019, 52, 505110. | 2.8 | 21 |
| 14 | Realizing a terahertz far-field sub-diffraction optical needle with sub-wavelength concentric ring structure array. Applied Optics, 2018, 57, 7905. | 1.8 | 20 |
| 15 | Terahertz metalens of hyper-dispersion. Photonics Research, 2022, 10, 886. | 7.0 | 17 |
| 16 | Broadband quarter-wave birefringent meta-mirrors for generating sub-diffraction vector fields. Optics Letters, 2019, 44, 110. | 3.3 | 16 |
| 17 | Polarization-insensitive colorful meta-holography employing anisotropic nanostructures. Nanoscale, 2019, 11, 20238-20244. | 5.6 | 13 |
| 18 | Polarization-conversion microscopy for imaging the vectorial polarization distribution in focused light. Optica, 2021, 8, 984. | 9.3 | 13 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Broadband integrated metalens for creating super-oscillation 3D hollow spot by independent control of azimuthally and radially polarized waves. Journal Physics D: Applied Physics, 2019, 52, 415103. | 2.8 | 12 |
| 20 | Fabrication of Graphene Nanomesh FET Terahertz Detector. Micromachines, 2021, 12, 641. | 2.9 | 6 |
| 21 | Super-resolution photolithography using dielectric photonic crystal. Optics Letters, 2019, 44, 1182. | 3.3 | 6 |
| 22 | Enlarging focal depth using epsilon-near-zero metamaterial for plasmonic lithography. Optics Letters, 2020, 45, 3159. | 3.3 | 5 |
| 23 | Negative index metamaterial at ultraviolet range for subwavelength photolithography. Nanophotonics, 2022, 11, 1643-1651. | 6.0 | 4 |
| 24 | Study on focusing properties of broadband range and oblique incidence on the basis of V-shaped nanoantenna. Applied Physics A: Materials Science and Processing, 2016, 122, 1. | 2.3 | 2 |
| 25 | High resolution photolithography with sub-wavelength grating. Applied Physics A: Materials Science and Processing, 2014, 115, 69-73. | 2.3 | 1 |
| 26 | Various patterns made by interference of surface waves. , 2016, , . | | 0 |
| 27 | Computation and Simulation on Energy Band of Graphene Nanoribbons. , 2020, , . | | 0 |