Gaofeng Liang

List of Publications by Year
in descending order

27 papers	634 citations	567281 15 h-index	580821 25 g-index
27 all docs	27 docs citations	27 times ranked	482 citing authors

#	Article	IF	Citations
1	Terahertz metalens of hyper-dispersion. Photonics Research, 2022, 10, 886.	7.0	17
2	Negative index metamaterial at ultraviolet range for subwavelength photolithography. Nanophotonics, 2022, 11, 1643-1651.	6.0	4
3	Fabrication of Graphene Nanomesh FET Terahertz Detector. Micromachines, 2021, 12, 641.	2.9	6
4	Polarization-conversion microscopy for imaging the vectorial polarization distribution in focused light. Optica, 2021, 8, 984.	9.3	13
5	Holographic Super-Resolution Metalens for Achromatic Sub-Wavelength Focusing. ACS Photonics, 2021, 8, 2294-2303.	6.6	22
6	Broadband Dielectric Metalens for Polarization Manipulating and Superoscillation Focusing of Visible Light. ACS Photonics, 2020, 7, 180-189.	6.6	23
7	Broadband Achromatic Subâ€Diffraction Focusing by an Amplitudeâ€Modulated Terahertz Metalens. Advanced Optical Materials, 2020, 8, 2000842.	7.3	43
8	Highâ€Numericalâ€Aperture Dielectric Metalens for Superâ€Resolution Focusing of Oblique Incident Light. Advanced Optical Materials, 2020, 8, 1901885.	7.3	26
9	Enlarging focal depth using epsilon-near-zero metamaterial for plasmonic lithography. Optics Letters, 2020, 45, 3159.	3.3	5
10	Computation and Simulation on Energy Band of Graphene Nanoribbons. , 2020, , .		0
11	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
12	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
13	Roadmap on superoscillations. Journal of Optics (United Kingdom), 2019, 21, 053002.	2.2	111
14	Polarization-insensitive colorful meta-holography employing anisotropic nanostructures. Nanoscale, 2019, 11, 20238-20244.	5.6	13
15	Broadband quarter-wave birefringent meta-mirrors for generating sub-diffraction vector fields. Optics Letters, 2019, 44, 110.	3.3	16
16	Super-resolution photolithography using dielectric photonic crystal. Optics Letters, 2019, 44, 1182.	3.3	6
17	Achieving pattern uniformity in plasmonic lithography by spatial frequency selection. Nanophotonics, 2018, 7, 277-286.	6.0	27
18	Realizing a terahertz far-field sub-diffraction optical needle with sub-wavelength concentric ring structure array. Applied Optics, 2018, 57, 7905.	1.8	20

#	Article	IF	Citations
19	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
20	All-dielectric metalens for terahertz wave imaging. Optics Express, 2018, 26, 14132.	3.4	58
21	Optimization-free approach for generating sub-diffraction quasi-non-diffracting beams. Optics Express, 2018, 26, 16585.	3.4	27
22	Sub-wavelength tight-focusing of terahertz waves by polarization-independent high-numerical-aperture dielectric metalens. Optics Express, 2018, 26, 29817.	3.4	34
23	Plasmonic Lithography Utilizing Epsilon Near Zero Hyperbolic Metamaterial. ACS Nano, 2017, 11, 9863-9868.	14.6	33
24	Various patterns made by interference of surface waves. , 2016, , .		0
25	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
26	Squeezing Bulk Plasmon Polaritons through Hyperbolic Metamaterials for Large Area Deep Subwavelength Interference Lithography. Advanced Optical Materials, 2015, 3, 1248-1256.	7.3	68
27	High resolution photolithography with sub-wavelength grating. Applied Physics A: Materials Science and Processing, 2014, 115, 69-73.	2.3	1