

# Yinghui Guo

## List of Publications by Year in descending order

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82  
papers

2,943  
citations

186265

28  
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175258

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86  
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86  
docs citations

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times ranked

1961  
citing authors

#	ARTICLE	IF	CITATIONS
1	Spin-decoupled metasurface for simultaneous detection of spin and orbital angular momenta via momentum transformation. <i>Light: Science and Applications</i> , 2021, 10, 63.	16.6	196
2	Merging Geometric Phase and Plasmon Retardation Phase in Continuously Shaped Metasurfaces for Arbitrary Orbital Angular Momentum Generation. <i>ACS Photonics</i> , 2016, 3, 2022-2029.	6.6	189
3	Plasmonic Metasurfaces for Simultaneous Thermal Infrared Invisibility and Holographic Illusion. <i>Advanced Functional Materials</i> , 2018, 28, 1706673.	14.9	151
4	Dispersion management of anisotropic metamirror for super-octave bandwidth polarization conversion. <i>Scientific Reports</i> , 2015, 5, 8434.	3.3	147
5	High Efficiency and Wide Angle Beam Steering Based on Catenary Optical Fields in Ultrathin Metalens. <i>Advanced Optical Materials</i> , 2018, 6, 1800592.	7.3	131
6	A plasmonic splitter based on slot cavity. <i>Optics Express</i> , 2011, 19, 13831.	3.4	117
7	Nanoapertures with ordered rotations: symmetry transformation and wide-angle flat lensing. <i>Optics Express</i> , 2017, 25, 31471.	3.4	114
8	Revisitation of Extraordinary Young's Interference: from Catenary Optical Fields to Spin-Orbit Interaction in Metasurfaces. <i>ACS Photonics</i> , 2018, 5, 3198-3204.	6.6	112
9	Generalized Pancharatnam-Berry Phase in Rotationally Symmetric Meta-Atoms. <i>Physical Review Letters</i> , 2021, 126, 183902.	7.8	95
10	Multistate Switching of Photonic Angular Momentum Coupling in Phase-Change Metadevices. <i>Advanced Materials</i> , 2020, 32, e1908194.	21.0	88
11	Extreme Angle Silicon Infrared Optics Enabled by Streamlined Surfaces. <i>Advanced Materials</i> , 2021, 33, e2008157.	21.0	84
12	Electromagnetically Induced Transparency-Like Transmission in a Compact Side-Coupled T-Shaped Resonator. <i>Journal of Lightwave Technology</i> , 2014, 32, 1701-1707.	4.6	75
13	Merging plasmonics and metamaterials by two-dimensional subwavelength structures. <i>Journal of Materials Chemistry C</i> , 2017, 5, 4361-4378.	5.5	75
14	Electromagnetically induced transparency (EIT)-like transmission in side-coupled complementary split-ring resonators. <i>Optics Express</i> , 2012, 20, 24348.	3.4	70
15	Colorful Metahologram with Independently Controlled Images in Transmission and Reflection Spaces. <i>Advanced Functional Materials</i> , 2019, 29, 1809145.	14.9	65
16	Color display and encryption with a plasmonic polarizing metamirror. <i>Nanophotonics</i> , 2018, 7, 323-331.	6.0	63
17	Chip-Integrated Geometric Metasurface As a Novel Platform for Directional Coupling and Polarization Sorting by Spin-Orbit Interaction. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2018, 24, 1-7.	2.9	50
18	Meta-Chirality: Fundamentals, Construction and Applications. <i>Nanomaterials</i> , 2017, 7, 116.	4.1	49

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19	Asymmetric Transmission and Wavefront Manipulation toward Dual-Frequency Meta-Holograms. ACS Photonics, 2019, 6, 1541-1546.	6.6	47
20	Recent advances of wide-angle metalenses: principle, design, and applications. Nanophotonics, 2021, 11, 1-20.	6.0	44
21	Ultra-Broadband Terahertz Absorbers Based on 4 Cascaded Metal-Dielectric Pairs. Plasmonics, 2014, 9, 951-957.	3.4	43
22	Polarization-Controlled Broadband Accelerating Beams Generation by Single Catenary-Shaped Metasurface. Advanced Optical Materials, 2019, 7, 1900503.	7.3	42
23	Catenary Functions Meet Electromagnetic Waves: Opportunities and Promises. Advanced Optical Materials, 2020, 8, 2001194.	7.3	42
24	Spoof Plasmonic Metasurfaces with Catenary Dispersion for Two-Dimensional Wide-Angle Focusing and Imaging. IScience, 2019, 21, 145-156.	4.1	41
25	Large-Area Low-Cost Multiscale Hierarchical Metasurfaces for Multispectral Compatible Camouflage of Dual-Band Lasers, Infrared and Microwave. Advanced Functional Materials, 2022, 32, .	14.9	41
26	Dynamical manipulation of electromagnetic polarization using anisotropic meta-mirror. Scientific Reports, 2016, 6, 30771.	3.3	38
27	Scattering engineering in continuously shaped metasurface: An approach for electromagnetic illusion. Scientific Reports, 2016, 6, 30154.	3.3	34
28	Emerging Long-Range Order from a Freeform Disordered Metasurface. Advanced Materials, 2022, 34, e2108709.	21.0	33
29	Heat Resisting Metallic Meta-Skin for Simultaneous Microwave Broadband Scattering and Infrared Invisibility Based on Catenary Optical Field. Advanced Materials Technologies, 2019, 4, 1800612.	5.8	32
30	Plasmonic lithography for the fabrication of surface nanostructures with a feature size down to 9 nm. Nanoscale, 2020, 12, 2415-2421.	5.6	31
31	Experimental demonstration of a continuous varifocal metalens with large zoom range and high imaging resolution. Applied Physics Letters, 2019, 115, .	3.3	29
32	All-metallic geometric metasurfaces for broadband and high-efficiency wavefront manipulation. Nanophotonics, 2020, 9, 3209-3215.	6.0	28
33	Characteristics of Plasmonic Filters with a Notch Located Along Rectangular Resonators. Plasmonics, 2013, 8, 167-171.	3.4	26
34	Synthetic vector optical fields with spatial and temporal tunability. Science China: Physics, Mechanics and Astronomy, 2022, 65, 1.	5.1	25
35	Generation of Polarization-Sensitive Modulated Optical Vortices with All-Dielectric Metasurfaces. ACS Photonics, 2019, 6, 628-633.	6.6	24
36	Dual-Functional Metasurface toward Giant Linear and Circular Dichroism. Advanced Optical Materials, 2020, 8, 1902061.	7.3	24

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37	Methodologies for On-Demand Dispersion Engineering of Waves in Metasurfaces. <i>Advanced Optical Materials</i> , 2019, 7, 1801376.	7.3	23
38	Angular-multiplexed multichannel optical vortex arrays generators based on geometric metasurface. <i>IScience</i> , 2021, 24, 102107.	4.1	23
39	Broadband and high-efficiency accelerating beam generation by dielectric catenary metasurfaces. <i>Nanophotonics</i> , 2020, 9, 2829-2837.	6.0	23
40	Generation and Manipulation of Orbital Angular Momentum by All-Dielectric Metasurfaces. <i>Plasmonics</i> , 2016, 11, 337-344.	3.4	22
41	Monolithic-Integrated Multiplexed Devices Based on Metasurface-Driven Guided Waves. <i>Advanced Theory and Simulations</i> , 2021, 4, 2000239.	2.8	22
42	Crosstalk reduction of integrated optical waveguides with nonuniform subwavelength silicon strips. <i>Scientific Reports</i> , 2020, 10, 4491.	3.3	21
43	High-Performance Multilayer Radiative Cooling Films Designed with Flexible Hybrid Optimization Strategy. <i>Materials</i> , 2020, 13, 2885.	2.9	21
44	Design of Plasmonic Comb-Like Filters Using Loop-Based Resonators. <i>Plasmonics</i> , 2013, 8, 1017-1022.	3.4	20
45	Transmission-Reflection-Integrated Quadratic Phase Metasurface for Multifunctional Electromagnetic Manipulation in Full Space. <i>Advanced Optical Materials</i> , 2022, 10, .	7.3	20
46	Large-Area and Low-Cost Nanoslit-Based Flexible Metasurfaces for Multispectral Electromagnetic Wave Manipulation. <i>Advanced Optical Materials</i> , 2019, 7, 1900657.	7.3	19
47	Designing high-efficiency extended depth-of-focus metalens via topology-shape optimization. <i>Nanophotonics</i> , 2022, 11, 2967-2975.	6.0	19
48	Symmetric and asymmetric photonic spin-orbit interaction in metasurfaces. <i>Progress in Quantum Electronics</i> , 2021, 79, 100344.	7.0	16
49	Enhanced Far-Field Focusing by Plasmonic Lens Under Radially Polarized Beam Illumination. <i>Plasmonics</i> , 2016, 11, 109-115.	3.4	14
50	Full Stokes Polarimetry for Wide-Angle Incident Light. <i>Physica Status Solidi - Rapid Research Letters</i> , 2020, 14, 2000044.	2.4	14
51	A Tunable Metasurface Deflector Based on MIM Waveguide Filled with Phase-Change Material. <i>Plasmonics</i> , 2019, 14, 1735-1741.	3.4	13
52	Metasurface spatiotemporal dynamics and asymmetric photonic spin-orbit interactions mediated vector-polarization optical chaos. <i>Physical Review Research</i> , 2021, 3, .	3.6	13
53	Vector optical field manipulation via structural functional materials: Tutorial. <i>Journal of Applied Physics</i> , 2022, 131, .	2.5	13
54	Functional metasurfaces based on metallic and dielectric subwavelength slits and stripes array. <i>Journal of Physics Condensed Matter</i> , 2018, 30, 144003.	1.8	11

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55	Ultra-wideband manipulation of electromagnetic waves by bilayer scattering engineered gradient metasurface. RSC Advances, 2018, 8, 13061-13066.	3.6	10
56	Flexible and Tunable Dielectric Color Meta-hologram. Plasmonics, 2020, 15, 217-223.	3.4	10
57	One-to-Nine Multicasting of RZ-DPSK Based on Cascaded Four-Wave Mixing in a Highly Nonlinear Fiber Without Stimulated Brillouin Scattering Suppression. IEEE Photonics Technology Letters, 2012, 24, 1882-1885.	2.5	9
58	Superresolution Focusing Using Metasurface with Circularly Arranged Nanoantennas. Plasmonics, 2018, 13, 147-153.	3.4	9
59	Electromagnetic Architectures: Structures, Properties, Functions and Their Intrinsic Relationships in Subwavelength Optics and Electromagnetics. Advanced Photonics Research, 2021, 2, 2100023.	3.6	9
60	All-metallic high-efficiency generalized Pancharatnamâ€“Berry phase metasurface with chiral meta-atoms. Nanophotonics, 2022, 11, 1961-1968.	6.0	9
61	Multispectral Scattering Imaging Based on Metasurface Diffuser and Deep Learning. Physica Status Solidi - Rapid Research Letters, 2022, 16, .	2.4	8
62	Tunable Optical Hooks in the Visible Band Based on Ultraâ€“Thin Metalenses. Annalen Der Physik, 2020, 532, 1900396.	2.4	7
63	Broadband Achromatic Transmissionâ€“Reflectionâ€“Integrated Metasurface Based on Frequency Multiplexing and Dispersion Engineering. Advanced Optical Materials, 2021, 9, 2001736.	7.3	7
64	Refined Model for Plasmon Ruler Based on Catenary-Shaped Optical Fields. Plasmonics, 2019, 14, 845-850.	3.4	6
65	Wide Field-of-view and Broadband Terahertz Beam Steering Based on Gap Plasmon Geodesic Antennas. Scientific Reports, 2017, 7, 41642.	3.3	5
66	Photonic Devices: Plasmonic Metasurfaces for Switchable Photonic Spin-Orbit Interactions Based on Phase Change Materials (Adv. Sci. 10/2018). Advanced Science, 2018, 5, 1870063.	11.2	5
67	Directional Coupling and Spin Routing in Catenary-Shaped SOI Waveguide. IEEE Photonics Technology Letters, 2019, 31, 415-418.	2.5	5
68	SEPARATION OF RESONANCE MODES IN NANORING RESONATOR BY A CASCADED SLOT CAVITY. Modern Physics Letters B, 2012, 26, 1250150.	1.9	3
69	Quasi-Continuous Metasurface Beam Splitters Enabled by Vector Iterative Fourier Transform Algorithm. Materials, 2021, 14, 1022.	2.9	3
70	Single-layer metalens for achromatic focusing with wide field of view in the visible range. Journal Physics D: Applied Physics, 2022, 55, 235106.	2.8	3
71	Misalignments among stacked layers of metamaterial terahertz absorbers. Frontiers of Optoelectronics, 2014, 7, 53-58.	3.7	2
72	Meta-holograms based on evanescent waves for encryption. RSC Advances, 2017, 7, 53611-53616.	3.6	2

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73	Catenary Optics: Catenary Electromagnetics for Ultra-Broadband Lightweight Absorbers and Large-Scale Flat Antennas (Adv. Sci. 7/2019). Advanced Science, 2019, 6, 1970038.	11.2	2
74	High-efficiency mid-infrared catenary metasurface for chiral spectrometer. , 2021, , .		2
75	Simultaneous thermal infrared camouflage and laser scattering with thermal management based on an ultra-thin metasurface. , 2021, , .		1
76	Generation of A Space-Variant Vector Beam with Catenary-Shaped Polarization States. Materials, 2022, 15, 2940.	2.9	1
77	Transmission and demodulation of multi-polarization-multiplexed signals. Science Bulletin, 2014, 59, 3943-3948.	1.7	0
78	Optimization on Plasmonic Lenses Based on Generation Efficiency of Surface Plasmon Polaritons at Metallic Nanoslit. Plasmonics, 2017, 12, 545-551.	3.4	0
79	Catenary Optics: Heat Resisting Metallic Meta-Skin for Simultaneous Microwave Broadband Scattering and Infrared Invisibility Based on Catenary Optical Field (Adv. Mater. Technol. 2/2019). Advanced Materials Technologies, 2019, 4, 1970012.	5.8	0
80	Infrared multispectral imaging system based on metasurfaces for two infrared atmospheric windows. , 2021, , .		0
81	Broadband high-efficiency reflective metasurfaces for sub-diffraction focusing in the visible. , 2021, , .		0
82	Broadband achromatic multilevel diffractive lens at visible frequency. , 2021, , .		0