

# Xin Xie

## List of Publications by Year in descending order

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papers

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687220

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887953

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docs citations

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times ranked

552  
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#	ARTICLE	IF	CITATIONS
1	Broadband Multichannel Cylindrical Vector Beam Generation by a Single Metasurface. <i>Laser and Photonics Reviews</i> , 2022, 16, .	4.4	12
2	Chirality-Assisted Aharonovâ€“Anandan Geometric-Phase Metasurfaces for Spin-Decoupled Phase Modulation. <i>ACS Photonics</i> , 2021, 8, 1847-1855.	3.2	17
3	Generalized Pancharatnam-Berry Phase in Rotationally Symmetric Meta-Atoms. <i>Physical Review Letters</i> , 2021, 126, 183902.	2.9	95
4	Spin-decoupled metasurface for broadband and pixel-saving polarization rotation and wavefront control. <i>Optics Express</i> , 2021, 29, 25720.	1.7	7
5	All-metallic geometric metasurfaces for broadband and high-efficiency wavefront manipulation. <i>Nanophotonics</i> , 2020, 9, 3209-3215.	2.9	28
6	Multistate Switching of Photonic Angular Momentum Coupling in Phaseâ€“Change Metadevices. <i>Advanced Materials</i> , 2020, 32, e1908194.	11.1	88
7	Dualâ€“Functional Metasurface toward Giant Linear and Circular Dichroism. <i>Advanced Optical Materials</i> , 2020, 8, 1902061.	3.6	24
8	Switchable Quarter-Wave Plate and Half-Wave Plate Based on Phase-Change Metasurface. <i>IEEE Photonics Journal</i> , 2020, 12, 1-10.	1.0	11
9	Hierarchical metamaterials for laser-infrared-microwave compatible camouflage. <i>Optics Express</i> , 2020, 28, 9445.	1.7	60
10	Metallic nanomesh for high-performance transparent electromagnetic shielding. <i>Optical Materials Express</i> , 2020, 10, 796.	1.6	22
11	Off-axis multi-wavelength dispersion controlling metalens for multi-color imaging. <i>Opto-Electronic Advances</i> , 2020, 3, 19000501-19000507.	6.4	85
12	Largeâ€“Area and Lowâ€“Cost Nanoslitâ€“Based Flexible Metasurfaces for Multispectral Electromagnetic Wave Manipulation. <i>Advanced Optical Materials</i> , 2019, 7, 1900657.	3.6	19
13	Dual-band and ultra-broadband photonic spin-orbit interaction for electromagnetic shaping based on single-layer silicon metasurfaces. <i>Photonics Research</i> , 2019, 7, 586.	3.4	12
14	Highâ€“Efficiency and Tunable Circularâ€“Polarization Beam Splitting with a Liquidâ€“Filled Allâ€“Metallic Catenary Metaâ€“Mirror. <i>Advanced Materials Technologies</i> , 2019, 4, 1900334.	3.0	16
15	Catenary Optics: Heat Resisting Metallic Metaâ€“Skin for Simultaneous Microwave Broadband Scattering and Infrared Invisibility Based on Catenary Optical Field ( <i>Adv. Mater. Technol.</i> 2/2019). <i>Advanced Materials Technologies</i> , 2019, 4, 1970012.	3.0	0
16	Metasurface-Based Lens for Antenna Gain Enhancement and Radar Cross Section Reduction. <i>IEEE Photonics Journal</i> , 2019, 11, 1-9.	1.0	30
17	Heat Resisting Metallic Metaâ€“Skin for Simultaneous Microwave Broadband Scattering and Infrared Invisibility Based on Catenary Optical Field. <i>Advanced Materials Technologies</i> , 2019, 4, 1800612.	3.0	32
18	Plasmonic Metasurfaces for Simultaneous Thermal Infrared Invisibility and Holographic Illusion. <i>Advanced Functional Materials</i> , 2018, 28, 1706673.	7.8	151