

# He Wang

## List of Publications by Year in descending order

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38  
papers

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citations

759233

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docs citations

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times ranked

433  
citing authors

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 1  | Realizing high comprehensive energy storage performance in lead-free bulk ceramics <i>via</i> designing an unmatched temperature range. <i>Journal of Materials Chemistry A</i> , 2019, 7, 27256-27266. | 10.3 | 223       |
| 2  | Programmable Coding Metasurface Reflector for Reconfigurable Multibeam Antenna Application. <i>IEEE Transactions on Antennas and Propagation</i> , 2021, 69, 296-301.                                   | 5.1  | 51        |
| 3  | Metasurface with dynamic chiral meta-atoms for spin multiplexing hologram and low observable reflection. <i>PhotonIX</i> , 2022, 3, .   | 13.5 | 32        |
| 4  | Vortex beam generated by circular-polarized metasurface reflector antenna. <i>Journal Physics D: Applied Physics</i> , 2019, 52, 255306.  | 2.8  | 30        |
| 5  | Spin-to-Orbital Angular Momentum Conversion with Quasi-Continuous Spatial Phase Response. <i>Advanced Optical Materials</i> , 2019, 7, 1901188.   | 7.3  | 28        |
| 6  | Tailoring Circular Dichroism for Simultaneous Control of Amplitude and Phase via Ohmic Dissipation Metasurface. <i>Advanced Optical Materials</i> , 2021, 9, 2100140.                                   | 7.3  | 25        |
| 7  | Ohmic Dissipation-Assisted Complex Amplitude Hologram with High Quality. <i>Advanced Optical Materials</i> , 2021, 9, 2002242.  | 7.3  | 20        |
| 8  | Tailoring Circular Dichroism in an Isomeric Manner: Complete Control of Amplitude and Phase for High-Quality Hologram and Beam Forming. <i>Advanced Optical Materials</i> , 2022, 10, .                 | 7.3  | 19        |
| 9  | Multi-Beam Metasurface Antenna by Combining Phase Gradients and Coding Sequences. <i>IEEE Access</i> , 2019, 7, 62087-62094.  | 4.2  | 18        |
| 10 | Multidimensionally Manipulated Active Coding Metasurface by Merging Pancharatnam-Berry Phase and Dynamic Phase. <i>Advanced Optical Materials</i> , 2021, 9, 2100484.                                   | 7.3  | 17        |
| 11 | Achieving circular-to-linear polarization conversion and beam deflection simultaneously using anisotropic coding metasurfaces. <i>Scientific Reports</i> , 2019, 9, 12264.                              | 3.3  | 15        |
| 12 | Tunable Frequency Selective Surface With Angular Stability. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2021, 20, 1108-1112.  | 4.0  | 15        |
| 13 | Chiral Absorber-Based Frequency Selective Resorber With Identical Filtering Characteristics for Distinct Polarizations. <i>IEEE Transactions on Antennas and Propagation</i> , 2022, 70, 3506-3514.     | 5.1  | 13        |
| 14 | Spin-selective corner reflector for retro-reflection and absorption by a circular dichroitic manner. <i>Photonics Research</i> , 2021, 9, 726.  | 7.0  | 11        |
| 15 | Polarization meta-converter for dynamic polarization states shifting with broadband characteristic. <i>Optics Express</i> , 2022, 30, 20014.  | 3.4  | 11        |
| 16 | Design and Modeling of a Novel Transformable Land/Air Robot. <i>International Journal of Aerospace Engineering</i> , 2019, 2019, 1-10.  | 0.9  | 10        |
| 17 | Active circular dichroism coding meta-mirror for flexible beam-forming and dynamic amplitude control. <i>Optics Express</i> , 2021, 29, 26586.  | 3.4  | 9         |
| 18 | Origami-Based Metamaterials for Dynamic Control of Wide-Angle Absorption in a Reconfigurable Manner. <i>IEEE Transactions on Antennas and Propagation</i> , 2022, 70, 4558-4568.                        | 5.1  | 9         |

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|----|---|-----|-----------|
| 19 | Generating diverse functionalities simultaneously and independently for arbitrary linear polarized illumination enabled by a chiral transmission-reflection-selective bifunctional metasurface. Optics Express, 2022, 30, 7124. | 3.4 | 9         |
| 20 | Chaos-based coding metasurface for radar cross-section reduction. Journal Physics D: Applied Physics, 2019, 52, 405304.   | 2.8 | 8         |
| 21 | Composite Frequency Selective Structure With the Integrated Functionality of Transmission, Absorption, and Scattering. IEEE Antennas and Wireless Propagation Letters, 2021, 20, 1819-1823.                                     | 4.0 | 7         |
| 22 | Ultra-dense moving cascaded metasurface holography by using a physics-driven neural network. Optics Express, 2022, 30, 24285.   | 3.4 | 7         |
| 23 | A circular-polarized metasurface planar reflector antenna based on Pancharatnamâ€Berry phase. Applied Physics A: Materials Science and Processing, 2019, 125, 1.  | 2.3 | 6         |
| 24 | Circular dichroism assisted bi-directional absorbers. Journal Physics D: Applied Physics, 2022, 55, 095101.   | 2.8 | 6         |
| 25 | Composite metasurface merging frequency selective surface and coding sequences for electromagnetic transmissionâ€diffusion. Journal Physics D: Applied Physics, 2021, 54, 235304.   | 2.8 | 5         |
| 26 | Achieving Broadband Spinâ€Correlated Asymmetric Reflection Using a Circular Dichroitic Metaâ€Mirror. Annalen Der Physik, 2021, 533, 2000515.  | 2.4 | 4         |
| 27 | Active meta-device for angular dispersion elimination of dual-polarized transmission windows. Optics Express, 2021, 29, 26598.  | 3.4 | 4         |
| 28 | Fullâ€Polarization Frequency Controlled Multimode Spoof Surface Plasmon Polaritons Excitation via Anisotropic Metastructure. Advanced Optical Materials, 2022, 10, .  | 7.3 | 3         |
| 29 | Tailoring the Excited and Cutoff States of Spoof Surface Plasmon Polaritons for Full-Space Quadruple Functionalities. ACS Applied Materials & Interfaces, 2022, 14, 6230-6238.  | 8.0 | 3         |
| 30 | Circular dichroism assisted metadvice for efficient transmission and broadband absorption. Optics Express, 2021, 29, 36061.   | 3.4 | 2         |
| 31 | Synergy of absorbing and diffusing for RCS reduction using spin-selective coding metasurfaces. Applied Physics A: Materials Science and Processing, 2021, 127, 1.   | 2.3 | 2         |
| 32 | Circular-dichroism enantiomers assisted Full-PoincarÃ© Polarization wavefront manipulation metasurface. Optics Express, 2021, 29, 40819.  | 3.4 | 2         |
| 33 | Simultaneous control of amplitude and phase via shifting isotropy to anisotropy for achieving holographic meta-mirror. Optics Express, 2021, 29, 43745.   | 3.4 | 2         |
| 34 | Adjustable Dual-frequency FSS-amplifier Metasurface. , 2019, , .  |     | 1         |
| 35 | Passive reconfigurable coding metasurface for broadband manipulation of reflective amplitude, phase and polarization states. Smart Materials and Structures, 2020, 29, 015029.  | 3.5 | 1         |
| 36 | A dualâ€stopband FSS using knitted and strongâ€coupled structures with excellent angular stability and polarisation insensitivity. IET Microwaves, Antennas and Propagation, 0, , .   | 1.4 | 1         |

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|----|--|-----|-----------|
| 37 | Dual-Band RCS Reduction Metamaterials Based on Combining Structures. , 2019, , .   |     | 0         |
| 38 | Active Meta-Device for Dual-Transmission Windows with Tunable Angular Dispersion Characteristics. Materials, 2022, 15, 3686. | 2.9 | 0         |