

# Zuojia Wang

## List of Publications by Year in descending order

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Version: 2024-02-01

52  
papers

1,902  
citations

331670

21  
h-index

254184

43  
g-index

52  
all docs

52  
docs citations

52  
times ranked

1863  
citing authors

#	ARTICLE	IF	CITATIONS
1	Optical chiral metamaterials: a review of the fundamentals, fabrication methods and applications. <i>Nanotechnology</i> , 2016, 27, 412001.	2.6	282
2	Circular Dichroism Metamirrors with Near-Perfect Extinction. <i>ACS Photonics</i> , 2016, 3, 2096-2101.	6.6	240
3	Origami-Based Reconfigurable Metamaterials for Tunable Chirality. <i>Advanced Materials</i> , 2017, 29, 1700412.	21.0	193
4	Manipulating Smith-Purcell Emission with Babinet Metasurfaces. <i>Physical Review Letters</i> , 2016, 117, 157401.	7.8	108
5	Hyperbolic spoof plasmonic metasurfaces. <i>NPG Asia Materials</i> , 2017, 9, e428-e428.	7.9	97
6	Gradient Chiral Metamirrors for Spin-Selective Anomalous Reflection. <i>Laser and Photonics Reviews</i> , 2017, 11, 1700115.	8.7	89
7	Chiral metamirrors for broadband spin-selective absorption. <i>Applied Physics Letters</i> , 2017, 110, .	3.3	77
8	Ultrawideband chromatic aberration-free meta-mirrors. <i>Advanced Photonics</i> , 2020, 3, .	11.8	63
9	Valley-Hall Photonic Topological Insulators with Dual-Band Kink States. <i>Advanced Optical Materials</i> , 2019, 7, 1900036.	7.3	61
10	Kirigami metamaterials for reconfigurable toroidal circular dichroism. <i>NPG Asia Materials</i> , 2018, 10, 888-898.	7.9	58
11	A circuit method to integrate metamaterial and graphene in absorber design. <i>Optics Communications</i> , 2014, 329, 76-80.	2.1	54
12	Origami Metawall: Mechanically Controlled Absorption and Deflection of Light. <i>Advanced Science</i> , 2019, 6, 1901434.	11.2	42
13	Atomically thin nonreciprocal optical isolation. <i>Scientific Reports</i> , 2014, 4, 4190.	3.3	38
14	Polarization Shaping of Free-Electron Radiation by Gradient Bianisotropic Metasurfaces. <i>Laser and Photonics Reviews</i> , 2021, 15, 2000426.	8.7	36
15	Harnessing Evanescent Waves by Bianisotropic Metasurfaces. <i>Laser and Photonics Reviews</i> , 2020, 14, 1900244.	8.7	33
16	Large-Scale Far-Infrared Invisibility Cloak Hiding Object from Thermal Detection. <i>Advanced Optical Materials</i> , 2015, 3, 1738-1742.	7.3	28
17	3D Visible-Light Invisibility Cloak. <i>Advanced Science</i> , 2018, 5, 1800056.	11.2	28
18	Toroidal Localized Spoof Plasmons on Compact Metadisks. <i>Advanced Science</i> , 2018, 5, 1700487.	11.2	27

#	ARTICLE	IF	CITATIONS
19	Magnetic Hyperbolic Metasurface: Concept, Design, and Applications. <i>Advanced Science</i> , 2018, 5, 1801495.	11.2	24
20	Type-I hyperbolic metasurfaces for highly-squeezed designer polaritons with negative group velocity. <i>Nature Communications</i> , 2019, 10, 2002.	12.8	24
21	Diodelike Spin-Orbit Interactions of Light in Chiral Metasurfaces. <i>IEEE Transactions on Antennas and Propagation</i> , 2018, 66, 7148-7155.	5.1	23
22	Angular-Adaptive Spin-Locked Retroreflector Based on Reconfigurable Magnetic Metagrating. <i>Advanced Optical Materials</i> , 2019, 7, 1900151.	7.3	23
23	Spiral Field Generation in Smith-Purcell Radiation by Helical Metagratings. <i>Research</i> , 2019, 2019, 3806132.	5.7	22
24	Direct current remote cloak for arbitrary objects. <i>Light: Science and Applications</i> , 2019, 8, 30.	16.6	19
25	Robust waveguiding in substrate-integrated topological photonic crystals. <i>Applied Physics Letters</i> , 2020, 116, .	3.3	18
26	Broadband Janus Scattering from Tilted Dipolar Metagratings. <i>Laser and Photonics Reviews</i> , 2022, 16, .	8.7	18
27	Spatially dispersive dichroism in bianisotropic metamirrors. <i>Applied Physics Letters</i> , 2018, 113, 261102.	3.3	17
28	Dispersion engineering of hyperbolic plasmons in bilayer 2D materials. <i>Optics Letters</i> , 2018, 43, 5737.	3.3	15
29	Optically transparent metamirror with broadband chiral absorption in the microwave region. <i>Optics Express</i> , 2019, 27, 38029.	3.4	15
30	Photonic Heterostructures for Spin-Flipped Beam Splitting. <i>Physical Review Applied</i> , 2019, 12, .	3.8	13
31	Giant nonreciprocal transmission in low-biased gyrotropic metasurfaces. <i>Optics Letters</i> , 2020, 45, 5917.	3.3	13
32	Manipulating surface plasmon polaritons with infinitely anisotropic metamaterials. <i>Optics Express</i> , 2017, 25, 10515.	3.4	12
33	Free-space carpet cloak using transformation optics and graphene. <i>Optics Letters</i> , 2014, 39, 6739.	3.3	8
34	A meta-substrate to enhance the bandwidth of metamaterials. <i>Scientific Reports</i> , 2015, 4, 5264.	3.3	7
35	Spoof Surface Plasmonic Graphene for Controlling the Transports and Emissions of Electromagnetic Waves. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2019, 67, 50-56.	4.6	7
36	Enhancing the magneto-optical effects in low-biased gyromagnetic media via photonic doping. <i>Optics Letters</i> , 2019, 44, 3050.	3.3	7

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37	Spiral Field Generation in Smith-Purcell Radiation by Helical Metagratings. Research, 2019, 2019, 1-8.	5.7	7
38	Magnetic Metamirrors as Spatial Frequency Filters. IEEE Transactions on Antennas and Propagation, 2020, 68, 5505-5511.	5.1	6
39	Bianisotropic origami metasurfaces for mechanically controlled asymmetric radiation. New Journal of Physics, 2021, 23, 085002.	2.9	6
40	Optically transparent metamirror with broadband chiral absorption in the microwave region. Optics Express, 2019, 27, 38029.	3.4	6
41	Generation of Airy beams in Smith-Purcell radiation. Optics Letters, 2022, 47, 2790.	3.3	6
42	Highly Directional Small-Size Antenna Designed with Homogeneous Transformation Optics. International Journal of Antennas and Propagation, 2014, 2014, 1-6.	1.2	5
43	Negative refraction of ultra-squeezed in-plane hyperbolic designer polaritons. Photonics Research, 2021, 9, 1540.	7.0	5
44	Broadband nonreciprocal spoof plasmonic phase shifter based on transverse Faraday effects. Optics Express, 2022, 30, 24000.	3.4	5
45	Dispersion-tunable photonic topological waveguides. Applied Physics Letters, 2022, 121, .	3.3	5
46	Broadband Polarization-Independent Directional Coupler Using Asymmetric-Waveguides. IEEE Photonics Journal, 2019, 11, 1-6.	2.0	4
47	Enhanced reflective dichroism from periodic graphene ribbons via total internal reflection. Optics Express, 2019, 27, 22508.	3.4	4
48	Mid-Infrared Nanofocusing Using Fragmented High-Order Transformation Optics. IEEE Transactions on Antennas and Propagation, 2019, 67, 6515-6522.	5.1	2
49	Imaging and Tracking Through Scattering Medium With Low Bit Depth Speckle. IEEE Photonics Journal, 2020, 12, 1-7.	2.0	2
50	Reconfigurable Slotted Antenna Inspired by Multidimensional Modulation. , 2020, , .		0
51	Reconfigurable meta-radiator based on flexible mechanically controlled current distribution in three-dimensional space. Optics Letters, 2021, 46, 3633.	3.3	0
52	Planar Spin-Locked Retroreflector Made of Electric Metagrating with Near-Unity Efficiency. , 2020, , .		0