Zuojia Wang

List of Publications by Year in descending order

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	Broadband Janus Scattering from Tilted Dipolar Metagratings. Laser and Photonics Reviews, 2022, 16, .	8.7	18
2	Generation of Airy beams in Smithâ€“Purcell radiation. Optics Letters, 2022, 47, 2790.	3.3	6
3	Broadband nonreciprocal spoof plasmonic phase shifter based on transverse Faraday effects. Optics Express, 2022, 30, 24000.	3.4	5
4	Dispersion-tunable photonic topological waveguides. Applied Physics Letters, 2022, 121, .	3.3	5
5	Polarization Shaping of Freeâ€Electron Radiation by Gradient Bianisotropic Metasurfaces. Laser and Photonics Reviews, 2021, 15, 2000426.	8.7	36
6	Reconfigurable meta-radiator based on flexible mechanically controlled current distribution in three-dimensional space. Optics Letters, 2021, 46, 3633.	3.3	0
7	Negative refraction of ultra-squeezed in-plane hyperbolic designer polaritons. Photonics Research, 2021, 9, 1540.	7.0	5
8	Bianisotropic origami metasurfaces for mechanically controlled asymmetric radiation. New Journal of Physics, 2021, 23, 085002.	2.9	6
9	Reconfigurable Slotted Antenna Inspired by Multidimensional Modulation. , 2020, , .		0
10	Harnessing Evanescent Waves by Bianisotropic Metasurfaces. Laser and Photonics Reviews, 2020, 14, 1900244.	8.7	33
11	Robust waveguiding in substrate-integrated topological photonic crystals. Applied Physics Letters, 2020, 116, .	3.3	18
12	Magnetic Metamirrors as Spatial Frequency Filters. IEEE Transactions on Antennas and Propagation, 2020, 68, 5505-5511.	5.1	6
13	Imaging and Tracking Through Scattering Medium With Low Bit Depth Speckle. IEEE Photonics Journal, 2020, 12, 1-7.	2.0	2
14	Ultrawideband chromatic aberration-free meta-mirrors. Advanced Photonics, 2020, 3, .	11.8	63
15	Giant nonreciprocal transmission in low-biased gyrotropic metasurfaces. Optics Letters, 2020, 45, 5917.	3.3	13
16	Planar Spin-Locked Retroreflector Made of Electric Metagrating with Near-Unity Efficiency. , 2020, , .		0
17	Photonic Heterostructures for Spin-Flipped Beam Splitting. Physical Review Applied, 2019, 12, .	3.8	13
18	Origami Metawall: Mechanically Controlled Absorption and Deflection of Light. Advanced Science, 2019, 6, 1901434.	11.2	42

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19	Mid-Infrared Nanofocusing Using Fragmented High-Order Transformation Optics. IEEE Transactions on Antennas and Propagation, 2019, 67, 6515-6522.	5.1	2
20	Valleyâ€Hall Photonic Topological Insulators with Dualâ€Band Kink States. Advanced Optical Materials, 2019, 7, 1900036.	7.3	61
21	Angularâ€Adaptive Spinâ€Locked Retroreflector Based on Reconfigurable Magnetic Metagrating. Advanced Optical Materials, 2019, 7, 1900151.	7.3	23
22	Type-I hyperbolic metasurfaces for highly-squeezed designer polaritons with negative group velocity. Nature Communications, 2019, 10, 2002.	12.8	24
23	Direct current remote cloak for arbitrary objects. Light: Science and Applications, 2019, 8, 30.	16.6	19
24	Broadband Polarization-Independent Directional Coupler Using Asymmetric-Waveguides. IEEE Photonics Journal, 2019, 11, 1-6.	2.0	4
25	Spoof Surface Plasmonic Graphene for Controlling the Transports and Emissions of Electromagnetic Waves. IEEE Transactions on Microwave Theory and Techniques, 2019, 67, 50-56.	4.6	7
26	Optically transparent metamirror with broadband chiral absorption in the microwave region. Optics Express, 2019, 27, 38029.	3.4	6
27	Enhancing the magneto-optical effects in low-biased gyromagnetic media via photonic doping. Optics Letters, 2019, 44, 3050.	3.3	7
28	Spiral Field Generation in Smith-Purcell Radiation by Helical Metagratings. Research, 2019, 2019, 3806132.	5.7	22
29	Spiral Field Generation in Smith-Purcell Radiation by Helical Metagratings. Research, 2019, 2019, 1-8.	5.7	7
30	Enhanced reflective dichroism from periodic graphene ribbons via total internal reflection. Optics Express, 2019, 27, 22508.	3.4	4
31	Optically transparent metamirror with broadband chiral absorption in the microwave region. Optics Express, 2019, 27, 38029.	3.4	15
32	3D Visibleâ€Light Invisibility Cloak. Advanced Science, 2018, 5, 1800056.	11.2	28
33	Toroidal Localized Spoof Plasmons on Compact Metadisks. Advanced Science, 2018, 5, 1700487.	11.2	27
34	Magnetic Hyperbolic Metasurface: Concept, Design, and Applications. Advanced Science, 2018, 5, 1801495.	11.2	24
35	Spatially dispersive dichroism in bianisotropic metamirrors. Applied Physics Letters, 2018, 113, 261102.	3.3	17
36	Diodelike Spin-Orbit Interactions of Light in Chiral Metasurfaces. IEEE Transactions on Antennas and Propagation, 2018, 66, 7148-7155.	5.1	23

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37	Kirigami metamaterials for reconfigurable toroidal circular dichroism. NPG Asia Materials, 2018, 10, 888-898.	7.9	58
38	Dispersion engineering of hyperbolic plasmons in bilayer 2D materials. Optics Letters, 2018, 43, 5737.	3.3	15
39	Origamiâ€Based Reconfigurable Metamaterials for Tunable Chirality. Advanced Materials, 2017, 29, 1700412.	21.0	193
40	Chiral metamirrors for broadband spin-selective absorption. Applied Physics Letters, 2017, 110, .	3.3	77
41	Hyperbolic spoof plasmonic metasurfaces. NPG Asia Materials, 2017, 9, e428-e428.	7.9	97
42	Gradient Chiral Metamirrors for Spinâ€Selective Anomalous Reflection. Laser and Photonics Reviews, 2017, 11, 1700115.	8.7	89
43	Manipulating surface plasmon polaritons with infinitely anisotropic metamaterials. Optics Express, 2017, 25, 10515.	3.4	12
44	Optical chiral metamaterials: a review of the fundamentals, fabrication methods and applications. Nanotechnology, 2016, 27, 412001.	2.6	282
45	Circular Dichroism Metamirrors with Near-Perfect Extinction. ACS Photonics, 2016, 3, 2096-2101.	6.6	240
46	Manipulating Smith-Purcell Emission with Babinet Metasurfaces. Physical Review Letters, 2016, 117, 157401.	7.8	108
47	Largeâ€Scale Farâ€Infrared Invisibility Cloak Hiding Object from Thermal Detection. Advanced Optical Materials, 2015, 3, 1738-1742.	7.3	28
48	A meta-substrate to enhance the bandwidth of metamaterials. Scientific Reports, 2015, 4, 5264.	3.3	7
49	Highly Directional Small-Size Antenna Designed with Homogeneous Transformation Optics. International Journal of Antennas and Propagation, 2014, 2014, 1-6.	1.2	5
50	Free-space carpet cloak using transformation optics and graphene. Optics Letters, 2014, 39, 6739.	3.3	8
51	A circuit method to integrate metamaterial and graphene in absorber design. Optics Communications, 2014, 329, 76-80.	2.1	54
52	Atomically thin nonreciprocal optical isolation. Scientific Reports, 2014, 4, 4190.	3.3	38