Hongya Chen

List of Publications by Year
in descending order

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41 papers	1,305 citations	516710 16 h-index	477307 29 g-index
41 all docs	41 docs citations	41 times ranked	1053 citing authors

#	Article	IF	Citations
1	Single-layer Efficient Broadband Polarization Conversion Metasurface Based on Multiple Plasmon Resonances. , 2022, , .		0
2	Absorptive frequency selective surface with two alternately switchable transmission/reflection bands. Optics Express, 2021, 29, 4219.	3.4	22
3	Single-layer metasurface for ultra-wideband polarization conversion: bandwidth extension via Fano resonance. Scientific Reports, 2021, 11, 585.	3.3	31
4	Ohmic Dissipationâ€Assisted Complex Amplitude Hologram with High Quality. Advanced Optical Materials, 2021, 9, 2002242.	7.3	20
5	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
6	Countering Single-Polarization Radar Based on Polarization Conversion Metamaterial. IEEE Access, 2020, 8, 206783-206789.	4.2	3
7	Wide-Angle Frequency Scanning Metasurface Antenna Fed by Spoof Plasmonic Waveguide. IEEE Access, 2020, 8, 103635-103641.	4.2	6
8	An FSS-Backed Dual-Band Reflective Polarization Conversion Metasurface. IEEE Access, 2019, 7, 104435-104442.	4.2	17
9	Spinâ€toâ€Orbital Angular Momentum Conversion with Quasiâ€Continuous Spatial Phase Response. Advanced Optical Materials, 2019, 7, 1901188.	7.3	28
10	Reducing Cross-talk Between Two Patch Antennas Using Integrated Electric Metamaterials. , 2019, , .		2
11	A Broadband Wide-Angle Synthetical Absorber Designed by Topology Optimization of Resistance Surface and Metal Wires. IEEE Access, 2019, 7, 142675-142681.	4.2	17
12	Multi-Beam Metasurface Antenna by Combining Phase Gradients and Coding Sequences. IEEE Access, 2019, 7, 62087-62094.	4.2	18
13	Wideband Frequency Scanning Spoof Surface Plasmon Polariton Planar Antenna Based on Transmissive Phase Gradient Metasurface. IEEE Antennas and Wireless Propagation Letters, 2018, 17, 463-467.	4.0	44
14	Frequency Scanning Radiation by Decoupling Spoof Surface Plasmon Polaritons via Phase Gradient Metasurface. IEEE Transactions on Antennas and Propagation, 2018, 66, 203-208.	5.1	84
15	Toward Abnormal Reflection by Ceramic Based All-Radient Gradient Metasurface. , 2018, , .		0
16	A Reflected Dual-Band High-Efficiency Polarization Conversion Metasurface. , 2018, , .		1
17	Merging bands of polarization convertors by suppressing Fano resonance. Applied Physics Letters, 2018, 113, .	3.3	21
18	Ultra-wideband and high-efficiency transparent coding metasurface. Applied Physics A: Materials Science and Processing, 2018, 124, 1.	2.3	11

#	Article	IF	Citations
19	Frequency selective polarization conversion metasurface using E-shaped high permittivity ceramics. , 2018, , .		0
20	High-efficiency tri-band quasi-continuous phase gradient metamaterials based on spoof surface plasmon polaritons. Scientific Reports, 2017, 7, 40727.	3.3	10
21	Wideband, wide-angle coding phase gradient metasurfaces based on Pancharatnam-Berry phase. Scientific Reports, 2017, 7, .	3.3	112
22	Ultra-broadband co-polarization anomalous reflection metasurface. Applied Physics A: Materials Science and Processing, 2017, 123, 1.	2.3	13
23	Three dimensional dual-band phase gradient metamaterial based on Pancharatnam-Berry phase. Journal of Applied Physics, 2017, 122, 063106.	2.5	5
24	Linear-to-linear high directional antenna using transmission polarization metasurface. , 2016, , .		2
25	Broadband planar achromatic anomalous reflector based on dispersion engineering of spoof surface plasmon polariton. Applied Physics Letters, 2016, 109, .	3.3	17
26	Ultra-wideband transparent 90Â° polarization conversion metasurfaces. Applied Physics A: Materials Science and Processing, 2016, 122, 1.	2.3	37
27	Wideband, co-polarization anomalous reflection metasurface based on low-Q resonators. Applied Physics A: Materials Science and Processing, 2016, 122, 1.	2.3	10
28	Highlyâ€selective, closelyâ€spaced, dualâ€band FSS with secondâ€order characteristic. IET Microwaves, Antennas and Propagation, 2016, 10, 1087-1091.	1.4	14
29	Antenna beam steering using phase gradient metasurface radome. , 2016, , .		0
30	Convoluted element frequency selective surface with miniaturization and wideband response. , 2016, , .		0
31	A wideband deflected reflection based on multiple resonances. Applied Physics A: Materials Science and Processing, 2015, 120, 287-291.	2.3	5
32	Ultra-thin quadri-band metamaterial absorber based on spiral structure. Applied Physics A: Materials Science and Processing, 2015, 118, 443-447.	2.3	37
33	Design of Super-Thin Cloaks With Arbitrary Shapes using Interconnected Patches. IEEE Transactions on Antennas and Propagation, 2015, 63, 384-389.	5.1	13
34	Extremely sub-wavelength magnetic metamaterials without using lumped elements. , 2014, , .		1
35	Ultra-band microwave absorber using a composition of phase gradient metasurface and magnetic materials. , 2014, , .		0
36	Ultra-wideband polarization conversion metasurfaces. , 2014, , .		21

#	Article	IF	Citations
37	Wideband radar cross section reduction using two-dimensional phase gradient metasurfaces. Applied Physics Letters, 2014, 104, .	3.3	190
38	Ultra-wideband polarization conversion metasurfaces based on multiple plasmon resonances. Journal of Applied Physics, 2014, 115, .	2.5	304
39	Manipulating the reflection of electromagnetic waves using reflective metasurfaces. , 2014, , .		4
40	Wideband selective polarization conversion mediated by three-dimensional metamaterials. Journal of Applied Physics, 2014, 115, 234506.	2.5	25
41	High-efficiency spoof plasmon polariton coupler mediated by gradient metasurfaces. Applied Physics Letters, 2012, 101, .	3.3	153