

Hongya Chen

List of Publications by Year in descending order

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Version: 2024-02-01

41
papers

1,305
citations

516710

16
h-index

477307

29
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41
all docs

41
docs citations

41
times ranked

1053
citing authors

#	ARTICLE	IF	CITATIONS
1	Ultra-wideband polarization conversion metasurfaces based on multiple plasmon resonances. Journal of Applied Physics, 2014, 115, .	2.5	304
2	Wideband radar cross section reduction using two-dimensional phase gradient metasurfaces. Applied Physics Letters, 2014, 104, .	3.3	190
3	High-efficiency spoof plasmon polariton coupler mediated by gradient metasurfaces. Applied Physics Letters, 2012, 101, .	3.3	153
4	Wideband, wide-angle coding phase gradient metasurfaces based on Pancharatnam-Berry phase. Scientific Reports, 2017, 7, .	3.3	112
5	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
6	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
7	Ultra-thin quadri-band metamaterial absorber based on spiral structure. Applied Physics A: Materials Science and Processing, 2015, 118, 443-447.	2.3	37
8	Ultra-wideband transparent 90° polarization conversion metasurfaces. Applied Physics A: Materials Science and Processing, 2016, 122, 1.	2.3	37
9	Single-layer metasurface for ultra-wideband polarization conversion: bandwidth extension via Fano resonance. Scientific Reports, 2021, 11, 585.	3.3	31
10	Spin-to-orbital Angular Momentum Conversion with Quasi-Continuous Spatial Phase Response. Advanced Optical Materials, 2019, 7, 1901188.	7.3	28
11	Wideband selective polarization conversion mediated by three-dimensional metamaterials. Journal of Applied Physics, 2014, 115, 234506.	2.5	25
12	Absorptive frequency selective surface with two alternately switchable transmission/reflection bands. Optics Express, 2021, 29, 4219.	3.4	22
13	Ultra-wideband polarization conversion metasurfaces. , 2014, , .		21
14	Merging bands of polarization convertors by suppressing Fano resonance. Applied Physics Letters, 2018, 113, .	3.3	21
15	Ohmic Dissipation-Assisted Complex Amplitude Hologram with High Quality. Advanced Optical Materials, 2021, 9, 2002242.	7.3	20
16	Multi-Beam Metasurface Antenna by Combining Phase Gradients and Coding Sequences. IEEE Access, 2019, 7, 62087-62094.	4.2	18
17	Broadband planar achromatic anomalous reflector based on dispersion engineering of spoof surface plasmon polariton. Applied Physics Letters, 2016, 109, .	3.3	17
18	An FSS-Backed Dual-Band Reflective Polarization Conversion Metasurface. IEEE Access, 2019, 7, 104435-104442.	4.2	17

#	ARTICLE	IF	CITATIONS
19	A Broadband Wide-Angle Synthetical Absorber Designed by Topology Optimization of Resistance Surface and Metal Wires. <i>IEEE Access</i> , 2019, 7, 142675-142681.	4.2	17
20	Highly selective, closely spaced, dual-band FSS with second-order characteristic. <i>IET Microwaves, Antennas and Propagation</i> , 2016, 10, 1087-1091.	1.4	14
21	Design of Super-Thin Cloaks With Arbitrary Shapes using Interconnected Patches. <i>IEEE Transactions on Antennas and Propagation</i> , 2015, 63, 384-389.	5.1	13
22	Ultra-broadband co-polarization anomalous reflection metasurface. <i>Applied Physics A: Materials Science and Processing</i> , 2017, 123, 1.	2.3	13
23	Ultra-wideband and high-efficiency transparent coding metasurface. <i>Applied Physics A: Materials Science and Processing</i> , 2018, 124, 1.	2.3	11
24	Wideband, co-polarization anomalous reflection metasurface based on low-Q resonators. <i>Applied Physics A: Materials Science and Processing</i> , 2016, 122, 1.	2.3	10
25	High-efficiency tri-band quasi-continuous phase gradient metamaterials based on spoof surface plasmon polaritons. <i>Scientific Reports</i> , 2017, 7, 40727.	3.3	10
26	Composite Frequency Selective Structure With the Integrated Functionality of Transmission, Absorption, and Scattering. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2021, 20, 1819-1823.	4.0	7
27	Wide-Angle Frequency Scanning Metasurface Antenna Fed by Spoof Plasmonic Waveguide. <i>IEEE Access</i> , 2020, 8, 103635-103641.	4.2	6
28	A wideband deflected reflection based on multiple resonances. <i>Applied Physics A: Materials Science and Processing</i> , 2015, 120, 287-291.	2.3	5
29	Three dimensional dual-band phase gradient metamaterial based on Pancharatnam-Berry phase. <i>Journal of Applied Physics</i> , 2017, 122, 063106.	2.5	5
30	Manipulating the reflection of electromagnetic waves using reflective metasurfaces. , 2014, , .		4
31	Countering Single-Polarization Radar Based on Polarization Conversion Metamaterial. <i>IEEE Access</i> , 2020, 8, 206783-206789.	4.2	3
32	Linear-to-linear high directional antenna using transmission polarization metasurface. , 2016, , .		2
33	Reducing Cross-talk Between Two Patch Antennas Using Integrated Electric Metamaterials. , 2019, , .		2
34	Extremely sub-wavelength magnetic metamaterials without using lumped elements. , 2014, , .		1
35	A Reflected Dual-Band High-Efficiency Polarization Conversion Metasurface. , 2018, , .		1
36	Ultra-band microwave absorber using a composition of phase gradient metasurface and magnetic materials. , 2014, , .		0

#	ARTICLE	IF	CITATIONS
37	Antenna beam steering using phase gradient metasurface radome. , 2016, , .		0
38	Convolved element frequency selective surface with miniaturization and wideband response. , 2016, , .		0
39	Toward Abnormal Reflection by Ceramic Based All-Radiant Gradient Metasurface. , 2018, , .		0
40	Frequency selective polarization conversion metasurface using E-shaped high permittivity ceramics. , 2018, , .		0
41	Single-layer Efficient Broadband Polarization Conversion Metasurface Based on Multiple Plasmon Resonances. , 2022, , .		0