

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

90 papers	1,445 citations	20 h-index	36 g-index
114 ext. papers	2,004 ext. citations	2.3 avg, IF	4.89 L-index

#	Paper	IF	Citations
90	A programmable metasurface with dynamic polarization, scattering and focusing control. <i>Scientific Reports</i> , <b>2016</b> , 6, 35692	4.9	231
89	Wideband, thin, and polarization-insensitive perfect absorber based the double octagonal rings metamaterials and lumped resistances. <i>Journal of Applied Physics</i> , <b>2014</b> , 116, 043710	2.5	88
88	Wideband Gain Enhancement and RCS Reduction of FabryPerot Resonator Antenna With Chessboard Arranged Metamaterial Superstrate. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2018</b> , 66, 590-599	4.9	86
87	A Coding Diffuse Metasurface for RCS Reduction. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2017</b> , 16, 724-727	3.8	78
86	Multiband and broadband polarization-insensitive perfect absorber devices based on a tunable and thin double split-ring metamaterial. <i>Optics Express</i> , <b>2015</b> , 23, 3523-33	3.3	65
85	Ultra-wideband and Polarization-Insensitive Perfect Absorber Using Multilayer Metamaterials, Lumped Resistors, and Strong Coupling Effects. <i>Nanoscale Research Letters</i> , <b>2018</b> , 13, 386	5	64
84	A Thin Self-Feeding Janus Metasurface for Manipulating Incident Waves and Emitting Radiation Waves Simultaneously. <i>Annalen Der Physik</i> , <b>2020</b> , 532, 2000020	2.6	56
83	Broadband Low-RCS Metasurface and Its Application on Antenna. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2016</b> , 64, 2954-2962	4.9	54
82	Ultra-broadband Reflective Metamaterial with RCS Reduction based on Polarization Convertor, Information Entropy Theory and Genetic Optimization Algorithm. <i>Scientific Reports</i> , <b>2016</b> , 5, 37409	4.9	46
81	Analysis and Design of Three-Layer Perfect Metamaterial-Inspired Absorber Based on Double Split-Serration-Rings Structure. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2015</b> , 63, 5155-5160	4.9	40
80	Programmable Controls to Scattering Properties of a Radiation Array. <i>Laser and Photonics Reviews</i> , <b>2021</b> , 15, 2000449	8.3	38
79	Wideband RCS reduction and gain enhancement microstrip antenna using chessboard configuration superstrate. <i>Microwave and Optical Technology Letters</i> , <b>2015</b> , 57, 1738-1741	1.2	37
78	Jigsaw puzzle metasurface for multiple functions: polarization conversion, anomalous reflection and diffusion. <i>Optics Express</i> , <b>2016</b> , 24, 11208-17	3.3	28
77	Loading metamaterial perfect absorber method for in-band radar cross section reduction based on the surface current distribution of array antennas. <i>IET Microwaves, Antennas and Propagation</i> , <b>2015</b> , 9, 399-406	1.6	24
76	Ultra-wideband polarization conversion metasurface and its application cases for antenna radiation enhancement and scattering suppression. <i>Scientific Reports</i> , <b>2017</b> , 7, 16137	4.9	24
75	Asymmetric transmission for dual-circularly and linearly polarized waves based on a chiral metasurface. <i>Optics Express</i> , <b>2021</b> , 29, 19643-19654	3.3	24
74	Metamaterial-based patch antenna with wideband RCS reduction and gain enhancement using improved loading method. <i>IET Microwaves, Antennas and Propagation</i> , <b>2017</b> , 11, 1183-1189	1.6	22

73	Reconfigurable metasurface for multiple functions: magnitude, polarization and phase modulation. <i>Optics Express</i> , <b>2018</b> , 26, 29451-29459	3.3	21
72	Multifunctional and Multiband Fractal Metasurface Based on Inter-Metamolecular Coupling Interaction. <i>Advanced Theory and Simulations</i> , <b>2019</b> , 2, 1900105	3.5	20
71	Loaded metamaterial perfect absorber using substrate integrated cavity. <i>Journal of Applied Physics</i> , <b>2014</b> , 115, 213703	2.5	20
70	Digital-Coding-Feeding Metasurfaces for Differently Polarized Wave Emission, Orbit Angular Momentum Generation, and Scattering Manipulation. <i>Advanced Photonics Research</i> , <b>2020</b> , 1, 2000012	1.9	20
69	Broadband Radar Cross Section Reduction Using Dual-Circular Polarization Diffusion Metasurface. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2018</b> , 17, 969-973	3.8	19
68	Quad-Band Transmissive Metasurface with Linear to Dual-Circular Polarization Conversion Simultaneously. <i>Advanced Theory and Simulations</i> , <b>2021</b> , 4, 2100117	3.5	19
67	Broadband Metamaterial Reflectors for Polarization Manipulation Based on Cross/Ring Resonators. <i>Radioengineering</i> , <b>2016</b> , 25, 436-441	0.8	19
66	. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2018</b> , 17, 1271-1275	3.8	18
65	Broadband and High-Isolation Dual-Polarized Microstrip Antenna With Low Radar Cross Section. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2014</b> , 13, 1413-1416	3.8	18
64	Polarization-insensitive and thin stereometamaterial with broadband angular absorption for the oblique incidence. <i>Applied Physics A: Materials Science and Processing</i> , <b>2015</b> , 119, 371-378	2.6	16
63	Hybrid metamaterial device with wideband absorption and multiband transmission based on spoof surface plasmon polaritons and perfect absorber. <i>Applied Physics Letters</i> , <b>2015</b> , 106, 181103	3.4	16
62	Broadband Metamaterial Surface for Antenna RCS Reduction and Gain Enhancement. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2018</b> , 1-1	4.9	12
61	In-Band RCS Reduction and Gain Enhancement of a Dual-Band PRMS-Antenna. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2017</b> , 16, 2716-2720	3.8	12
60	Shared Aperture Metasurface for Bi-Functions: Radiation and Low Backward Scattering Performance. <i>IEEE Access</i> , <b>2019</b> , 7, 56547-56555	3.5	11
59	Failure analysis of the floating pipeline with defect under flooding load. <i>Engineering Failure Analysis</i> , <b>2017</b> , 77, 65-75	3.2	10
58	Ultra-wideband and polarization-insensitive fractal perfect metamaterial absorber based on a three-dimensional fractal tree microstructure with multi-modes. <i>Applied Physics A: Materials Science and Processing</i> , <b>2019</b> , 125, 1	2.6	10
57	ZnSe-Based Longitudinal Twinning Nanowires. <i>Advanced Engineering Materials</i> , <b>2014</b> , 16, 459-465	3.5	10
56	Broadband dual-circular polarized coding metasurfaces and their powerful manipulation of differently circular polarizations. <i>Optics Express</i> , <b>2019</b> , 27, 34141-34153	3.3	9

55	RCS reduction for grazing incidence based on coding metasurface. <i>Electronics Letters</i> , <b>2017</b> , 53, 1381-1383	8
54	Multifunction Tunable Metasurface for Entire-Space Electromagnetic Wave Manipulation. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2020</b> , 68, 3301-3306	4.9 8
53	Broadband aperture-coupling patch antenna with improved radiation and scattering performance based on metamaterial absorber. <i>IET Microwaves, Antennas and Propagation</i> , <b>2019</b> , 13, 875-880	1.6 7
52	Design of broadband reflective 90 polarization rotator based on metamaterial. <i>Wuli Xuebao/Acta Physica Sinica</i> , <b>2016</b> , 65, 044201	0.6 7
51	Design of ultra-thin broadband metamaterial absorber and its application for RCS reduction of circular polarization tilted beam antenna. <i>Wuli Xuebao/Acta Physica Sinica</i> , <b>2013</b> , 62, 124101	0.6 6
50	Dual-band transmissive metasurface with linear to dual-circular polarization conversion simultaneously. <i>AIP Advances</i> , <b>2020</b> , 10, 125025	1.5 6
49	A wideband low RCS reflection screen based on artificial magnetic conductor orthogonal array. <i>Wuli Xuebao/Acta Physica Sinica</i> , <b>2013</b> , 62, 154204	0.6 6
48	Multifunctional Coding Metasurface With Left and Right Circularly Polarized and Multiple Beams. <i>Frontiers in Materials</i> , <b>2022</b> , 9,	4 6
47	A review of the applications and hotspots of reinforcement learning <b>2017</b> ,	5
46	Design of ultrathin broadband perfect metamaterial absorber with low radar cross section. <i>Wuli Xuebao/Acta Physica Sinica</i> , <b>2013</b> , 62, 194101	0.6 5
45	A low radar cross-section artificial magnetic conductor reflection screen covering X and Ku band. <i>Wuli Xuebao/Acta Physica Sinica</i> , <b>2015</b> , 64, 024219	0.6 5
44	Realization of entire-space electromagnetic wave manipulation with multifunctional metasurface. <i>AIP Advances</i> , <b>2019</b> , 9, 015322	1.5 5
43	Wideband High-Gain and Low Scattering Antenna Using Shared-Aperture Metamaterial Superstrate. <i>Radioengineering</i> , <b>2018</b> , 27, 379-385	0.8 4
42	Low RCS and Broadband ME Dipole Antenna Loading Artificial Magnetic Conductor Structures. <i>Radioengineering</i> , <b>2017</b> , 26, 38-44	0.8 4
41	Broadband and miniaturization of tilted beam antenna using CSRR splits and flower-spiral structure. <i>Microwave and Optical Technology Letters</i> , <b>2014</b> , 56, 27-31	1.2 4
40	Broadband low-RCS metamaterial absorber based on electromagnetic resonance separation. <i>Wuli Xuebao/Acta Physica Sinica</i> , <b>2013</b> , 62, 214101	0.6 4
39	A broad-band gain improvement and wide-band, wide-angle low radar cross section microstrip antenna. <i>Wuli Xuebao/Acta Physica Sinica</i> , <b>2014</b> , 63, 224102	0.6 4
38	A High-gain and Low-scattering Waveguide Slot Antenna of Artificial Magnetic Conductor Octagonal Ring Arrangement. <i>Radioengineering</i> , <b>2016</b> , 25, 46-52	0.8 4

37	Ultra-Wideband RCS Reduction of Metasurface Antenna Based on Spoof Surface Plasmon Polariton and Transmission. <i>Radioengineering</i> , <b>2018</b> , 27, 386-393	0.8	4
36	A C/X Dual-band Wide-angle Reflective Polarization Rotation Metasurface. <i>Radioengineering</i> , <b>2017</b> , 26, 699-704	0.8	3
35	Size- and strain-dependent buckle dimensions of nanostructured Cu/Nb multilayers on polyimide substrates. <i>Materials Letters</i> , <b>2017</b> , 206, 44-47	3.3	3
34	Excitation of odd-mode spoof surface plasmon polaritons and its application on low-pass filters. <i>Applied Physics Express</i> , <b>2020</b> , 13, 084004	2.4	3
33	An Ultra-Thin and Compact Band-Pass Filter Based on Spoof Surface Plasmon Polaritons. <i>IEEE Access</i> , <b>2020</b> , 8, 171416-171422	3.5	3
32	Scattering Fields Control by Metamaterial Device Based on Ultra-Broadband Polarization Converters. <i>Radioengineering</i> , <b>2016</b> , 25, 707-713	0.8	3
31	Asymmetric copper-catalyzed propargylic amination with amine hydrochloride salts. <i>Chemical Communications</i> , <b>2021</b> , 57, 4674-4677	5.8	3
30	Intelligent metasurface with frequency recognition for adaptive manipulation of electromagnetic wave. <i>Nanophotonics</i> , <b>2022</b> , 11, 1401-1411	6.3	3
29	Wideband Miniaturized Metamaterial Absorber Covering L-Frequency Range. <i>Radioengineering</i> , <b>2019</b> , 27, 154-160	0.8	2
28	Fractal Metasurfaces: Multifunctional and Multiband Fractal Metasurface Based on Inter-Metamolecular Coupling Interaction (Adv. Theory Simul. 8/2019). <i>Advanced Theory and Simulations</i> , <b>2019</b> , 2, 1970030	3.5	2
27	A wideband multifunctional metasurface for antenna application <b>2017</b> ,		2
26	Half-Mode Substrate Integrated Waveguide Yagi Array with Low Cross Polarization. <i>Radioengineering</i> , <b>2017</b> , 26, 691-698	0.8	2
25	COMPACT MICROSTRIP MAGNETIC YAGI ANTENNA AND ARRAY WITH VERTICAL POLARIZATION BASED ON SUBSTRATE INTEGRATED WAVEGUIDE. <i>Progress in Electromagnetics Research C</i> , <b>2015</b> , 59, 135-141	0.9	2
24	A design of high-gain end-fire antenna based on split-ring resonator structures. <i>Wuli Xuebao/Acta Physica Sinica</i> , <b>2015</b> , 64, 234101	0.6	2
23	Ultra-Broad Band Radar Cross Section Reduction of Waveguide Slot Antenna with Metamaterials. <i>Radioengineering</i> , <b>2016</b> , 25, 241-246	0.8	2
22	Multi-functional tunable metasurface for radiation and scattering manipulation. <i>IET Microwaves, Antennas and Propagation</i> , <b>2019</b> , 13, 2649-2653	1.6	2
21	A multifunctional metasurface with integrated absorption and polarization rotation. <i>Materials Research Express</i> , <b>2019</b> , 6, 015802	1.7	2
20	Ultra-Wide-Angle and High-Scanning-Rate Leaky Wave Antenna Based on Spoof Surface Plasmon Polaritons. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2021</b> , 1-1	4.9	2

19	Polarization-Dependent Multi-Functional Metamaterial as Polarization Filter, Transparent Wall and Circular Polarizer using Ring-Cross Resonator. <i>Radioengineering</i> , <b>2017</b> , 26, 705-712	0.8	1
18	Compact SIW microstrip magnetic Yagi antenna <b>2015</b> ,		1
17	Composite polarization conversion metasurface and its application in integrated regulation radiation and scattering of antenna. <i>Wuli Xuebao/Acta Physica Sinica</i> , <b>2020</b> , 69, 234102	0.6	1
16	Low-RCS Metasurface Antenna Array Design with Improved Radiation Performance Using Odd- and Even-Mode Analysis. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2021</b> , 1-1	3.8	1
15	Ultra-wideband absorber for electromagnetic waves under large incident angle based on spoof surface plasmon polaritons. <i>Optical Materials Express</i> , <b>2021</b> , 11, 3917	2.6	1
14	Design of the ultra-thin perfect metamaterial absorber with high Q-factor. <i>Wuli Xuebao/Acta Physica Sinica</i> , <b>2013</b> , 62, 244101	0.6	1
13	Design of high-gain broadband low-RCS waveguide slot antenna. <i>Wuli Xuebao/Acta Physica Sinica</i> , <b>2014</b> , 63, 034101	0.6	1
12	A coding optimized polarization conversion metasurface in broadband and wide-angle. <i>International Journal of RF and Microwave Computer-Aided Engineering</i> , <b>2020</b> , 30, e22061	1.5	1
11	Design of Transmission Polarization Metasurface Converter. <i>Materials Science Forum</i> , 1035, 718-723	0.4	1
10	Multiband Fractal Metasurface with Linear to Linear and Linear to Circular Polarization Conversion <b>2019</b> ,		1
9	Broadband polarization-dependent coding metasurface for reflection manipulation. <i>Optical Materials Express</i> , <b>2020</b> , 10, 1421	2.6	0
8	Research on full-polarization electromagnetic holographic imaging based on quasi-symmetrical structure reconfigurable metasurfaces.. <i>Optics Express</i> , <b>2022</b> , 30, 10743-10757	3.3	0
7	Coding-Feeding Metasurface for Diffusion and Dual-Band Emission. <i>Advanced Theory and Simulations</i> , 2200006	3.5	0
6	Phase quantization effects of coded metasurface on agile scattering field control. <i>Microwave and Optical Technology Letters</i> , <b>2017</b> , 59, 738-743	1.2	
5	Effectiveness Evaluation Method of Anti-Radiation Missile against Active Decoy. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2017</b> , 207, 012064	0.4	
4	Polarization-insensitive ultra-thin quasi-metasurface based on the spoof surface plasmon polaritons. <i>Applied Physics A: Materials Science and Processing</i> , <b>2016</b> , 122, 1	2.6	
3	A Broadband Transmission Metasurface with Polarization-Transforming Functionality. <i>Radioengineering</i> , <b>2017</b> , 26, 1013-1018	0.8	
2	Design of shared aperture metamaterial and its applications for high gain and low radar cross section antenna. <i>Wuli Xuebao/Acta Physica Sinica</i> , <b>2015</b> , 64, 054101	0.6	

- 1 Reconfigurable time-frequency division multiplexing metasurface: giving a helping hand to high signal-to-noise ratio and high data holographic imaging. *Optics Express*, **2021**, 29, 20286-20298 33