

Si Jia Li

List of Publications by Year in Descending Order

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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	Multifunctional Coding Metasurface With Left and Right Circularly Polarized and Multiple Beams. <i>Frontiers in Materials</i> , 2022 , 9,	4	6
89	Intelligent metasurface with frequency recognition for adaptive manipulation of electromagnetic wave. <i>Nanophotonics</i> , 2022 , 11, 1401-1411	6.3	3
88	Research on full-polarization electromagnetic holographic imaging based on quasi-symmetrical structure reconfigurable metasurfaces.. <i>Optics Express</i> , 2022 , 30, 10743-10757	3.3	0
87	Low-RCS Metasurface Antenna Array Design with Improved Radiation Performance Using Odd- and Even-Mode Analysis. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2021 , 1-1	3.8	1
86	Ultra-wideband absorber for electromagnetic waves under large incident angle based on spoof surface plasmon polaritons. <i>Optical Materials Express</i> , 2021 , 11, 3917	2.6	1
85	Reconfigurable time-frequency division multiplexing metasurface: giving a helping hand to high signal-to-noise ratio and high data holographic imaging. <i>Optics Express</i> , 2021 , 29, 20286-20298	3.3	
84	Asymmetric transmission for dual-circularly and linearly polarized waves based on a chiral metasurface. <i>Optics Express</i> , 2021 , 29, 19643-19654	3.3	24
83	Quad-Band Transmissive Metasurface with Linear to Dual-Circular Polarization Conversion Simultaneously. <i>Advanced Theory and Simulations</i> , 2021 , 4, 2100117	3.5	19
82	Programmable Controls to Scattering Properties of a Radiation Array. <i>Laser and Photonics Reviews</i> , 2021 , 15, 2000449	8.3	38
81	Ultra-Wide-Angle and High-Scanning-Rate Leaky Wave Antenna Based on Spoof Surface Plasmon Polaritons. <i>IEEE Transactions on Antennas and Propagation</i> , 2021 , 1-1	4.9	2
80	Asymmetric copper-catalyzed propargylic amination with amine hydrochloride salts. <i>Chemical Communications</i> , 2021 , 57, 4674-4677	5.8	3
79	Composite polarization conversion metasurface and its application in integrated regulation radiation and scattering of antenna. <i>Wuli Xuebao/Acta Physica Sinica</i> , 2020 , 69, 234102	0.6	1
78	Excitation of odd-mode spoof surface plasmon polaritons and its application on low-pass filters. <i>Applied Physics Express</i> , 2020 , 13, 084004	2.4	3
77	Broadband polarization-dependent coding metasurface for reflection manipulation. <i>Optical Materials Express</i> , 2020 , 10, 1421	2.6	0
76	Dual-band transmissive metasurface with linear to dual-circular polarization conversion simultaneously. <i>AIP Advances</i> , 2020 , 10, 125025	1.5	6
75	Multifunction Tunable Metasurface for Entire-Space Electromagnetic Wave Manipulation. <i>IEEE Transactions on Antennas and Propagation</i> , 2020 , 68, 3301-3306	4.9	8
74	A coding optimized polarization conversion metasurface in broadband and wide-angle. <i>International Journal of RF and Microwave Computer-Aided Engineering</i> , 2020 , 30, e22061	1.5	1

73	An Ultra-Thin and Compact Band-Pass Filter Based on Spoof Surface Plasmon Polaritons. <i>IEEE Access</i> , 2020 , 8, 171416-171422	3.5	3
72	Digital-Coding-Feeding Metasurfaces for Differently Polarized Wave Emission, Orbit Angular Momentum Generation, and Scattering Manipulation. <i>Advanced Photonics Research</i> , 2020 , 1, 2000012	1.9	20
71	A Thin Self-Feeding Janus Metasurface for Manipulating Incident Waves and Emitting Radiation Waves Simultaneously. <i>Annalen Der Physik</i> , 2020 , 532, 2000020	2.6	56
70	Broadband aperture-coupling patch antenna with improved radiation and scattering performance based on metamaterial absorber. <i>IET Microwaves, Antennas and Propagation</i> , 2019 , 13, 875-880	1.6	7
69	Multifunctional and Multiband Fractal Metasurface Based on Inter-Metamolecular Coupling Interaction. <i>Advanced Theory and Simulations</i> , 2019 , 2, 1900105	3.5	20
68	Wideband Miniaturized Metamaterial Absorber Covering L-Frequency Range. <i>Radioengineering</i> , 2019 , 27, 154-160	0.8	2
67	Shared Aperture Metasurface for Bi-Functions: Radiation and Low Backward Scattering Performance. <i>IEEE Access</i> , 2019 , 7, 56547-56555	3.5	11
66	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> , 2019 , 125, 1	2.6	10
65	Fractal Metasurfaces: Multifunctional and Multiband Fractal Metasurface Based on Inter-Metamolecular Coupling Interaction (Adv. Theory Simul. 8/2019). <i>Advanced Theory and Simulations</i> , 2019 , 2, 1970030	3.5	2
64	Broadband dual-circular polarized coding metasurfaces and their powerful manipulation of differently circular polarizations. <i>Optics Express</i> , 2019 , 27, 34141-34153	3.3	9
63	Realization of entire-space electromagnetic wave manipulation with multifunctional metasurface. <i>AIP Advances</i> , 2019 , 9, 015322	1.5	5
62	Multiband Fractal Metasurface with Linear to Linear and Linear to Circular Polarization Conversion 2019 ,		1
61	Multi-functional tunable metasurface for radiation and scattering manipulation. <i>IET Microwaves, Antennas and Propagation</i> , 2019 , 13, 2649-2653	1.6	2
60	A multifunctional metasurface with integrated absorption and polarization rotation. <i>Materials Research Express</i> , 2019 , 6, 015802	1.7	2
59	Broadband Metamaterial Surface for Antenna RCS Reduction and Gain Enhancement. <i>IEEE Transactions on Antennas and Propagation</i> , 2018 , 1-1	4.9	12
58	Wideband Gain Enhancement and RCS Reduction of Fabry-Berot Resonator Antenna With Chessboard Arranged Metamaterial Superstrate. <i>IEEE Transactions on Antennas and Propagation</i> , 2018 , 66, 590-599	4.9	86
57	Broadband Radar Cross Section Reduction Using Dual-Circular Polarization Diffusion Metasurface. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2018 , 17, 969-973	3.8	19
56	Wideband High-Gain and Low Scattering Antenna Using Shared-Aperture Metamaterial Superstrate. <i>Radioengineering</i> , 2018 , 27, 379-385	0.8	4

55	. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2018 , 17, 1271-1275	3.8	18
54	Reconfigurable metasurface for multiple functions: magnitude, polarization and phase modulation. <i>Optics Express</i> , 2018 , 26, 29451-29459	3.3	21
53	Ultra-wideband and Polarization-Insensitive Perfect Absorber Using Multilayer Metamaterials, Lumped Resistors, and Strong Coupling Effects. <i>Nanoscale Research Letters</i> , 2018 , 13, 386	5	64
52	Ultra-Wideband RCS Reduction of Metasurface Antenna Based on Spoof Surface Plasmon Polariton and Transmission. <i>Radioengineering</i> , 2018 , 27, 386-393	0.8	4
51	Phase quantization effects of coded metasurface on agile scattering field control. <i>Microwave and Optical Technology Letters</i> , 2017 , 59, 738-743	1.2	
50	Failure analysis of the floating pipeline with defect under flooding load. <i>Engineering Failure Analysis</i> , 2017 , 77, 65-75	3.2	10
49	A C/X Dual-band Wide-angle Reflective Polarization Rotation Metasurface. <i>Radioengineering</i> , 2017 , 26, 699-704	0.8	3
48	Effectiveness Evaluation Method of Anti-Radiation Missile against Active Decoy. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017 , 207, 012064	0.4	
47	Metamaterial-based patch antenna with wideband RCS reduction and gain enhancement using improved loading method. <i>IET Microwaves, Antennas and Propagation</i> , 2017 , 11, 1183-1189	1.6	22
46	Ultra-wideband polarization conversion metasurface and its application cases for antenna radiation enhancement and scattering suppression. <i>Scientific Reports</i> , 2017 , 7, 16137	4.9	24
45	Size- and strain-dependent buckle dimensions of nanostructured Cu/Nb multilayers on polyimide substrates. <i>Materials Letters</i> , 2017 , 206, 44-47	3.3	3
44	A Coding Diffuse Metasurface for RCS Reduction. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2017 , 16, 724-727	3.8	78
43	In-Band RCS Reduction and Gain Enhancement of a Dual-Band PRMS-Antenna. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2017 , 16, 2716-2720	3.8	12
42	RCS reduction for grazing incidence based on coding metasurface. <i>Electronics Letters</i> , 2017 , 53, 1381-1383	1	8
41	A review of the applications and hotspots of reinforcement learning 2017 ,		5
40	A wideband multifunctional metasurface for antenna application 2017 ,		2
39	A Broadband Transmission Metasurface with Polarization-Transforming Functionality. <i>Radioengineering</i> , 2017 , 26, 1013-1018	0.8	
38	Half-Mode Substrate Integrated Waveguide Yagi Array with Low Cross Polarization. <i>Radioengineering</i> , 2017 , 26, 691-698	0.8	2

37	Polarization-Dependent Multi-Functional Metamaterial as Polarization Filter, Transparent Wall and Circular Polarizer using Ring-Cross Resonator. <i>Radioengineering</i> , 2017 , 26, 705-712	0.8	1
36	Low RCS and Broadband ME Dipole Antenna Loading Artificial Magnetic Conductor Structures. <i>Radioengineering</i> , 2017 , 26, 38-44	0.8	4
35	Polarization-insensitive ultra-thin quasi-metasurface based on the spoof surface plasmon polaritons. <i>Applied Physics A: Materials Science and Processing</i> , 2016 , 122, 1	2.6	
34	Ultra-broadband Reflective Metamaterial with RCS Reduction based on Polarization Convertor, Information Entropy Theory and Genetic Optimization Algorithm. <i>Scientific Reports</i> , 2016 , 5, 37409	4.9	46
33	A programmable metasurface with dynamic polarization, scattering and focusing control. <i>Scientific Reports</i> , 2016 , 6, 35692	4.9	231
32	Jigsaw puzzle metasurface for multiple functions: polarization conversion, anomalous reflection and diffusion. <i>Optics Express</i> , 2016 , 24, 11208-17	3.3	28
31	Design of broadband reflective 90 polarization rotator based on metamaterial. <i>Wuli Xuebao/Acta Physica Sinica</i> , 2016 , 65, 044201	0.6	7
30	Ultra-Broad Band Radar Cross Section Reduction of Waveguide Slot Antenna with Metamaterials. <i>Radioengineering</i> , 2016 , 25, 241-246	0.8	2
29	Scattering Fields Control by Metamaterial Device Based on Ultra-Broadband Polarization Converters. <i>Radioengineering</i> , 2016 , 25, 707-713	0.8	3
28	A High-gain and Low-scattering Waveguide Slot Antenna of Artificial Magnetic Conductor Octagonal Ring Arrangement. <i>Radioengineering</i> , 2016 , 25, 46-52	0.8	4
27	Broadband Metamaterial Reflectors for Polarization Manipulation Based on Cross/Ring Resonators. <i>Radioengineering</i> , 2016 , 25, 436-441	0.8	19
26	Broadband Low-RCS Metasurface and Its Application on Antenna. <i>IEEE Transactions on Antennas and Propagation</i> , 2016 , 64, 2954-2962	4.9	54
25	Polarization-insensitive and thin stereometamaterial with broadband angular absorption for the oblique incidence. <i>Applied Physics A: Materials Science and Processing</i> , 2015 , 119, 371-378	2.6	16
24	Wideband RCS reduction and gain enhancement microstrip antenna using chessboard configuration superstrate. <i>Microwave and Optical Technology Letters</i> , 2015 , 57, 1738-1741	1.2	37
23	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> , 2015 , 9, 399-406	1.6	24
22	Multiband and broadband polarization-insensitive perfect absorber devices based on a tunable and thin double split-ring metamaterial. <i>Optics Express</i> , 2015 , 23, 3523-33	3.3	65
21	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> , 2015 , 63, 5155-5160	4.9	40
20	COMPACT MICROSTRIP MAGNETIC YAGI ANTENNA AND ARRAY WITH VERTICAL POLARIZATION BASED ON SUBSTRATE INTEGRATED WAVEGUIDE. <i>Progress in Electromagnetics Research C</i> , 2015 , 59, 135-141	0.9	2

19	Hybrid metamaterial device with wideband absorption and multiband transmission based on spoof surface plasmon polaritons and perfect absorber. <i>Applied Physics Letters</i> , 2015 , 106, 181103	3.4	16
18	Compact SIW microstrip magnetic Yagi antenna 2015 ,		1
17	A low radar cross-section artificial magnetic conductor reflection screen covering X and Ku band. <i>Wuli Xuebao/Acta Physica Sinica</i> , 2015 , 64, 024219	0.6	5
16	Design of shared aperture metamaterial and its applications for high gain and low radar cross section antenna. <i>Wuli Xuebao/Acta Physica Sinica</i> , 2015 , 64, 054101	0.6	
15	A design of high-gain end-fire antenna based on split-ring resonator structures. <i>Wuli Xuebao/Acta Physica Sinica</i> , 2015 , 64, 234101	0.6	2
14	Broadband and High-Isolation Dual-Polarized Microstrip Antenna With Low Radar Cross Section. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2014 , 13, 1413-1416	3.8	18
13	Broadband and miniaturization of tilted beam antenna using CSRR splits and flower-spiral structure. <i>Microwave and Optical Technology Letters</i> , 2014 , 56, 27-31	1.2	4
12	ZnSe-Based Longitudinal Twinning Nanowires. <i>Advanced Engineering Materials</i> , 2014 , 16, 459-465	3.5	10
11	Wideband, thin, and polarization-insensitive perfect absorber based the double octagonal rings metamaterials and lumped resistances. <i>Journal of Applied Physics</i> , 2014 , 116, 043710	2.5	88
10	Loaded metamaterial perfect absorber using substrate integrated cavity. <i>Journal of Applied Physics</i> , 2014 , 115, 213703	2.5	20
9	Design of high-gain broadband low-RCS waveguide slot antenna. <i>Wuli Xuebao/Acta Physica Sinica</i> , 2014 , 63, 034101	0.6	1
8	A broad-band gain improvement and wide-band, wide-angle low radar cross section microstrip antenna. <i>Wuli Xuebao/Acta Physica Sinica</i> , 2014 , 63, 224102	0.6	4
7	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> , 2013 , 62, 124101	0.6	6
6	Design of ultrathin broadband perfect metamaterial absorber with low radar cross section. <i>Wuli Xuebao/Acta Physica Sinica</i> , 2013 , 62, 194101	0.6	5
5	Broadband low-RCS metamaterial absorber based on electromagnetic resonance separation. <i>Wuli Xuebao/Acta Physica Sinica</i> , 2013 , 62, 214101	0.6	4
4	A wideband low RCS reflection screen based on artificial magnetic conductor orthogonal array. <i>Wuli Xuebao/Acta Physica Sinica</i> , 2013 , 62, 154204	0.6	6
3	Design of the ultra-thin perfect metamaterial absorber with high Q-factor. <i>Wuli Xuebao/Acta Physica Sinica</i> , 2013 , 62, 244101	0.6	1
2	Design of Transmission Polarization Metasurface Converter. <i>Materials Science Forum</i> , 1035 , 718-723	0.4	1

1	Coding-Feeding Metasurface for Diffusion and Dual-Band Emission. <i>Advanced Theory and Simulations</i> ,2200006	3.5	o
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