

Yongfeng Li

List of Publications by Year in descending order

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papers

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citing authors

#	ARTICLE	IF	CITATIONS
1	Full-€Polarization Frequency Controlled Multimode Spoof Surface Plasmon Polaritons Excitation via Anisotropic Metastructure. <i>Advanced Optical Materials</i> , 2022, 10, .	7.3	3
2	Origami-Based Metamaterials for Dynamic Control of Wide-Angle Absorption in a Reconfigurable Manner. <i>IEEE Transactions on Antennas and Propagation</i> , 2022, 70, 4558-4568.	5.1	9
3	Tailoring the Excited and Cutoff States of Spoof Surface Plasmon Polaritons for Full-Space Quadruple Functionalities. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 6230-6238.	8.0	3
4	Polarization Reconfigurable and Beam-Switchable Array Antenna Using Switchable Feed Network. <i>IEEE Access</i> , 2022, 10, 29032-29039.	4.2	8
5	Chiral Absorber-Based Frequency Selective Resorber With Identical Filtering Characteristics for Distinct Polarizations. <i>IEEE Transactions on Antennas and Propagation</i> , 2022, 70, 3506-3514.	5.1	13
6	Tailoring Circular Dichroism in an Isomeric Manner: Complete Control of Amplitude and Phase for High-€Quality Hologram and Beam Forming. <i>Advanced Optical Materials</i> , 2022, 10, .	7.3	19
7	Greedy-algorithm-empowered design of wideband achromatic beam deflector based on spoof surface plasmon polariton mode. <i>European Physical Journal Plus</i> , 2022, 137, 1.	2.6	0
8	Single-Layer Achiral Metasurface with Independent Amplitude-€Phase Control for Both Left-Handed and Right-Handed Circular Polarizations. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 33968-33975.	8.0	14
9	Broadband Surface Waves Couplers With Adjustable Excitation Modes and Controllable Wavefront Directions Utilizing Integrated Pancharatnam-€Berry Phase Gradient Metasurfaces. <i>IEEE Transactions on Antennas and Propagation</i> , 2021, 69, 7698-7708.	5.1	12
10	Achieving Broadband Spin-€Correlated Asymmetric Reflection Using a Circular Dichroitic Meta-€Mirror. <i>Annalen Der Physik</i> , 2021, 533, 2000515.	2.4	4
11	Tailoring Circular Dichroism for Simultaneous Control of Amplitude and Phase via Ohmic Dissipation Metasurface. <i>Advanced Optical Materials</i> , 2021, 9, 2100140.	7.3	25
12	Multidimensionally Manipulated Active Coding Metasurface by Merging Pancharatnam-€Berry Phase and Dynamic Phase. <i>Advanced Optical Materials</i> , 2021, 9, 2100484.	7.3	17
13	Ohmic Dissipation-€Assisted Complex Amplitude Hologram with High Quality. <i>Advanced Optical Materials</i> , 2021, 9, 2002242.	7.3	20
14	Phase-to-pattern inverse design paradigm for fast realization of functional metasurfaces via transfer learning. <i>Nature Communications</i> , 2021, 12, 2974.	12.8	92
15	Switchable circular dichroism resonators for spin selective absorption. , 2021, , .		0
16	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
17	Synergy of absorbing and diffusing for RCS reduction using spin-selective coding metasurfaces. <i>Applied Physics A: Materials Science and Processing</i> , 2021, 127, 1.	2.3	2
18	Shared-Aperture Antennas Based on Even- and Odd-Mode Spoof Surface Plasmon Polaritons. <i>IEEE Transactions on Antennas and Propagation</i> , 2020, 68, 3254-3258.	5.1	33

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19	Low-RCS Multi-Beam Metasurface-Inspired Antenna Based on Pancharatnam's Berry Phase. IEEE Transactions on Antennas and Propagation, 2020, 68, 1899-1906.	5.1	21
20	Reducing RCS of Patch Antennas via Dispersion Engineering of Metamaterial Absorbers. IEEE Transactions on Antennas and Propagation, 2020, 68, 1419-1425.	5.1	30
21	Bispectral Circular Dichroic Coding Metasurfaces. Annalen Der Physik, 2020, 532, 1900496.	2.4	5
22	Dual-band broadside radiation antenna via near-field electric and magnetic couplings of nested metamaterial resonators. Microwave and Optical Technology Letters, 2020, 62, 3225-3231.	1.4	1
23	Multi-functional sandwich structure with metamaterial antenna lattice cores: protection, radiation and absorption. IET Microwaves, Antennas and Propagation, 2020, 14, 593-599.	1.4	7
24	Wideband RCS Reduction Metasurface With a Transmission Window. IEEE Transactions on Antennas and Propagation, 2020, 68, 7079-7087.	5.1	55
25	Circularly Polarized Spin-Selectivity Absorbing Coding Phase Gradient Metasurface for RCS Reduction. Advanced Theory and Simulations, 2020, 3, 1900217.	2.8	17
26	Achieving circular-to-linear polarization conversion and beam deflection simultaneously using anisotropic coding metasurfaces. Scientific Reports, 2019, 9, 12264.	3.3	15
27	Frequency-Selective Structure With Transmission and Scattering Deflection Based on Spoof Surface Plasmon Polariton Modes. IEEE Transactions on Antennas and Propagation, 2019, 67, 6508-6514.	5.1	23
28	Low-RCS and High-Gain Circularly Polarized Metasurface Antenna. IEEE Transactions on Antennas and Propagation, 2019, 67, 7197-7203.	5.1	41
29	Spin-to-Orbital Angular Momentum Conversion with Quasi-Continuous Spatial Phase Response. Advanced Optical Materials, 2019, 7, 1901188.	7.3	28
30	Flexible Controls of Radar Cross Section based on Coding Metasurface with Varactors. , 2019, , .		0
31	Efficient orbital angular momentum vortex beam generation by generalized coding metasurface. Applied Physics A: Materials Science and Processing, 2019, 125, 1.	2.3	15
32	Multi-Beam Metasurface Antenna by Combining Phase Gradients and Coding Sequences. IEEE Access, 2019, 7, 62087-62094.	4.2	18
33	Groundless Endfire Antennas Based on Spoof Surface Plasmon Polaritons. , 2019, , .		1
34	Linear-to-Circular (LTC) Antenna With Polarization Conversion Metasurface. , 2019, , .		0
35	Realizing high comprehensive energy storage performance in lead-free bulk ceramics via designing an unmatched temperature range. Journal of Materials Chemistry A, 2019, 7, 27256-27266.	10.3	223
36	The Asymmetric Transmission Depending on the Propagation Direction Using Spoof Surface Plasmon Polaritons. , 2019, , .		0

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37	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
38	Water-based metamaterial absorbers for optical transparency and broadband microwave absorption. Journal of Applied Physics, 2018, 123, .	2.5	81
39	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
40	Circulation of spoof surface plasmon polaritons: Implementation and verification. AIP Advances, 2018, 8, 055002.	1.3	4
41	Enhancing Backward Scattering Using Metasurfaces. , 2018, , .		1
42	A Reflected Dual-Band High-Efficiency Polarization Conversion Metasurface. , 2018, , .		1
43	Wideband Polarization Conversion with the Synergy of Waveguide and Spoof Surface Plasmon Polariton Modes. Physical Review Applied, 2018, 10, .	3.8	28
44	Wide-angle flat metasurface corner reflector. Applied Physics Letters, 2018, 113, .	3.3	35
45	Low RCS Antennas Based on Dispersion Engineering of Spoof Surface Plasmon Polaritons. IEEE Transactions on Antennas and Propagation, 2018, 66, 7111-7116.	5.1	43
46	Design of triple-band-pass frequency selective structure based on spoof surface plasmon polariton. AIP Advances, 2018, 8, .	1.3	5
47	Goos-Hänchen shift in metallic gratings assisted by phase gradient metasurfaces. Materials Research Express, 2018, 5, 125802.	1.6	6
48	Merging bands of polarization converters by suppressing Fano resonance. Applied Physics Letters, 2018, 113, .	3.3	21
49	Design of Frequency Selective Surface Based on Spoof Surface Plasmon Polariton Modes. IEEE Antennas and Wireless Propagation Letters, 2018, 17, 1123-1126.	4.0	14
50	Low radar cross section checkerboard metasurface with a transmission window. Journal of Applied Physics, 2018, 124, .	2.5	28
51	Ultra-wideband and high-efficiency transparent coding metasurface. Applied Physics A: Materials Science and Processing, 2018, 124, 1.	2.3	11
52	Miniaturized-Element Offset-Feed Planar Reflector Antennas Based on Metasurfaces. IEEE Antennas and Wireless Propagation Letters, 2017, 16, 282-285.	4.0	26
53	High-efficiency tri-band quasi-continuous phase gradient metamaterials based on spoof surface plasmon polaritons. Scientific Reports, 2017, 7, 40727.	3.3	10
54	Multibeam Antennas Based on Spoof Surface Plasmon Polaritons Mode Coupling. IEEE Transactions on Antennas and Propagation, 2017, 65, 1187-1192.	5.1	91

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55	Wideband, wide-angle coding phase gradient metasurfaces based on Pancharatnam-Berry phase. Scientific Reports, 2017, 7, .	3.3	112
56	Achromatic flat focusing lens based on dispersion engineering of spoof surface plasmon polaritons. Applied Physics Letters, 2017, 110, .	3.3	33
57	BroadBand spoof surface plasmon polaritons coupler based on dispersion engineering of metamaterials. Applied Physics Letters, 2017, 111, .	3.3	29
58	Retro-reflective metasurfaces for backscattering enhancement under oblique incidence. AIP Advances, 2017, 7, .	1.3	18
59	Broadband reflectionless metamaterials with customizable absorption transmission-integrated performance. Applied Physics A: Materials Science and Processing, 2017, 123, 1.	2.3	22
60	Circulator Based on Spoof Surface Plasmon Polaritons. IEEE Antennas and Wireless Propagation Letters, 2017, 16, 821-824.	4.0	35
61	Design of the infrared selective thermal radiation based on metamaterials. , 2016, , .		0
62	Broadband planar achromatic anomalous reflector based on dispersion engineering of spoof surface plasmon polariton. Applied Physics Letters, 2016, 109, .	3.3	17
63	Ultra-wideband transparent 90° polarization conversion metasurfaces. Applied Physics A: Materials Science and Processing, 2016, 122, 1.	2.3	37
64	Wideband, co-polarization anomalous reflection metasurface based on low-Q resonators. Applied Physics A: Materials Science and Processing, 2016, 122, 1.	2.3	10
65	WLAN band-notched planar UWB antenna loaded by CSRR. , 2016, , .		0
66	Antenna beam steering using phase gradient metasurface radome. , 2016, , .		0
67	Spatial k-dispersion engineering of spoof surface plasmon polaritons for customized absorption. Scientific Reports, 2016, 6, 29429.	3.3	76
68	Design and study miniaturized-element wideband frequency selective surface. , 2016, , .		0
69	Microwave birefringent metamaterials for polarization conversion based on spoof surface plasmon polariton modes. Scientific Reports, 2016, 6, 34518.	3.3	20
70	k-dispersion engineering of spoof surface plasmon polaritons for beam steering. Optics Express, 2016, 24, 842.	3.4	39
71	A wideband deflected reflection based on multiple resonances. Applied Physics A: Materials Science and Processing, 2015, 120, 287-291.	2.3	5
72	A novel beam shaped microstrip patch antenna by metamaterial units. , 2015, , .		0

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73	Fabrication of dual-passband frequency selective surface utilizing complementary structure. , 2015, , .		1
74	Ultra-band microwave absorber using a composition of phase gradient metasurface and magnetic materials. , 2014, , .		0
75	A second-order band-pass frequency-selective surface using hexagonal aperture coupled patches: Design and validation. , 2014, , .		0
76	Ultra-broadband linearly polarisation manipulation metamaterial. Electronics Letters, 2014, 50, 1658-1660.	1.0	22
77	Ultra-wideband polarization conversion metasurfaces. , 2014, , .		21
78	Wideband radar cross section reduction using two-dimensional phase gradient metasurfaces. Applied Physics Letters, 2014, 104, .	3.3	190
79	Ultra-wideband polarization conversion metasurfaces based on multiple plasmon resonances. Journal of Applied Physics, 2014, 115, .	2.5	304
80	Manipulating the reflection of electromagnetic waves using reflective metasurfaces. , 2014, , .		4
81	Wideband selective polarization conversion mediated by three-dimensional metamaterials. Journal of Applied Physics, 2014, 115, 234506.	2.5	25
82	High-efficiency spoof plasmon polariton coupler mediated by gradient metasurfaces. Applied Physics Letters, 2012, 101, .	3.3	153