Jia Fu Wang

List of Publications by Year
in descending order

375 papers	9,031 citations	57631 44 h-index	64668 79 g-index
376 all docs	376 docs citations	376 times ranked	4490 citing authors

#	Article	IF	Citations
1	Potassiumâ€“sodium niobate based lead-free ceramics: novel electrical energy storage materials. Journal of Materials Chemistry A, 2017, 5, 554-563.	5.2	472
2	Significantly enhanced recoverable energy storage density in potassiumâ€“sodium niobate-based lead free ceramics. Journal of Materials Chemistry A, 2016, 4, 13778-13785.	5.2	409
3	Ultra-wideband polarization conversion metasurfaces based on multiple plasmon resonances. Journal of Applied Physics, 2014, 115, .	1.1	304
4	Deep Learning: A Rapid and Efficient Route to Automatic Metasurface Design. Advanced Science, 2019, 6, 1900128.	5.6	236
5	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.	5.2	223
6	Wideband radar cross section reduction using two-dimensional phase gradient metasurfaces. Applied Physics Letters, 2014, 104, .	1.5	190
7	Broadband polarization rotator based on multi-order plasmon resonances and high impedance surfaces. Journal of Applied Physics, 2013, 114, .	1.1	165
8	Achieving wide-band linear-to-circular polarization conversion using ultra-thin bi-layered metasurfaces. Journal of Applied Physics, 2015, 117, .	1.1	159
9	High-efficiency spoof plasmon polariton coupler mediated by gradient metasurfaces. Applied Physics Letters, 2012, 101, .	1.5	153
10	Filter-Antenna Consisting of Conical FSS Radome and Monopole Antenna. IEEE Transactions on Antennas and Propagation, 2012, 60, 3040-3045.	3.1	149
11	Thermally tunable water-substrate broadband metamaterial absorbers. Applied Physics Letters, 2017, 110, .	1.5	127
12	A Novel High-Directivity Microstrip Patch Antenna Based on Zero-Index Metamaterial. IEEE Antennas and Wireless Propagation Letters, 2009, 8, 538-541.	2.4	123
13	Metantenna: When Metasurface Meets Antenna Again. IEEE Transactions on Antennas and Propagation, 2020, 68, 1332-1347.	3.1	122
14	Electromagnetic wave absorption and compressive behavior of a three-dimensional metamaterial absorber based on 3D printed honeycomb. Scientific Reports, 2018, 8, 4817.	1.6	113
15	Wideband, wide-angle coding phase gradient metasurfaces based on Pancharatnam-Berry phase. Scientific Reports, 2017, 7, .	1.6	112
16	A Miniaturized Dual-Band FSS With Stable Resonance Frequencies of 2.4 GHz/5 GHz for WLAN Applications. IEEE Antennas and Wireless Propagation Letters, 2014, 13, 895-898.	2.4	107
17	Material parameter equation for elliptical cylindrical cloaks. Physical Review A, 2008, 77, .	1.0	99
18	Transparent broadband metamaterial absorber enhanced by water-substrate incorporation. Optics Express, 2018, 26, 15665.	1.7	99

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19	Phase-to-pattern inverse design paradigm for fast realization of functional metasurfaces via transfer learning. Nature Communications, 2021, 12, 2974.	5.8	92
20	Multibeam Antennas Based on Spoof Surface Plasmon Polaritons Mode Coupling. IEEE Transactions on Antennas and Propagation, 2017, 65, 1187-1192.	3.1	91
21	A Tri-Band, Highly Selective, Bandpass FSS Using Cascaded Multilayer Loop Arrays. IEEE Transactions on Antennas and Propagation, 2016, 64, 2046-2049.	3.1	88
22	Gradient Metasurface With Both Polarization-Controlled Directional Surface Wave Coupling and Anomalous Reflection. IEEE Antennas and Wireless Propagation Letters, 2015, 14, 104-107.	2.4	85
23	Frequency Scanning Radiation by Decoupling Spoof Surface Plasmon Polaritons via Phase Gradient Metasurface. IEEE Transactions on Antennas and Propagation, 2018, 66, 203-208.	3.1	84
24	Water-based metamaterial absorbers for optical transparency and broadband microwave absorption. Journal of Applied Physics, 2018, 123, .	1.1	81
25	Spatial k-dispersion engineering of spoof surface plasmon polaritons for customized absorption. Scientific Reports, 2016, 6, 29429.	1.6	76
26	Absorptive coding metasurface for further radar cross section reduction. Journal Physics D: Applied Physics, 2018, 51, 065603.	1.3	73
27	Broadband cross polarization converter using plasmon hybridizations in a ring/disk cavity. Optics Express, 2014, 22, 20973.	1.7	71
28	Experimental Demonstration of An Absorptive/Transmissive FSS With Magnetic Material. IEEE Antennas and Wireless Propagation Letters, 2014, 13, 114-117.	2.4	70
29	An extremely wideband and lightweight metamaterial absorber. Journal of Applied Physics, 2015, 117, 224503.	1.1	70
30	A Novel Miniaturized Frequency Selective Surface With Stable Resonance. IEEE Antennas and Wireless Propagation Letters, 2014, 13, 639-641.	2.4	69
31	The open cloak. Applied Physics Letters, 2009, 94, .	1.5	67
32	Hybrid metasurfaces for microwave reflection and infrared emission reduction. Optics Express, 2018, 26, 11950.	1.7	64
33	Symmetry-based coding method and synthesis topology optimization design of ultra-wideband polarization conversion metasurfaces. Applied Physics Letters, 2016, 109, .	1.5	61
34	Metasurface inverse design using machine learning approaches. Journal Physics D: Applied Physics, 2020, 53, 275105.	1.3	61
35	A Miniaturized Dual-Band FSS With Second-Order Response and Large Band Separation. IEEE Antennas and Wireless Propagation Letters, 2015, 14, 1602-1605.	2.4	58
36	Two-dimensional coding phase gradient metasurface for RCS reduction. Journal Physics D: Applied Physics, 2018, 51, 375103.	1.3	57

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37	Wideband RCS Reduction Metasurface With a Transmission Window. IEEE Transactions on Antennas and Propagation, 2020, 68, 7079-7087.	3.1	55
38	Broadband planar left-handed metamaterials using split-ring resonator pairs. Photonics and Nanostructures - Fundamentals and Applications, 2009, 7, 108-113.	1.0	54
39	Remotely mind-controlled metasurface via brainwaves. ELight, 2022, 2, .	11.9	54
40	Experimental realization of all-dielectric composite cubes/rods left-handed metamaterial. Journal of Applied Physics, 2011, 109, .	1.1	53
41	Hybrid Metasurfaces for Infrared-Multiband Radar Stealth-Compatible Materials Applications. IEEE Access, 2019, 7, 147586-147595.	2.6	52
42	Programmable Coding Metasurface Reflector for Reconfigurable Multibeam Antenna Application. IEEE Transactions on Antennas and Propagation, 2021, 69, 296-301.	3.1	51
43	Numerical method for designing approximate cloaks with arbitrary shapes. Physical Review E, 2008, 78, 036608.	0.8	47
44	Origami-inspired metamaterial absorbers for improving the larger-incident angle absorption. Journal Physics D: Applied Physics, 2015, 48, 445008.	1.3	47
45	Metamaterial absorber for frequency selective thermal radiation. Infrared Physics and Technology, 2018, 88, 133-138.	1.3	47
46	Topology optimization design of a lightweight ultra-broadband wide-angle resistance frequency selective surface absorber. Journal Physics D: Applied Physics, 2015, 48, 215101.	1.3	45
47	Super-Thin Cloaks Based on Microwave Networks. IEEE Transactions on Antennas and Propagation, 2013, 61, 748-754.	3.1	44
48	Achieving wideband polarization-independent anomalous reflection for linearly polarized waves with dispersionless phase gradient metasurfaces. Journal Physics D: Applied Physics, 2014, 47, 425103.	1.3	44
49	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.	2.4	44
50	Low RCS Antennas Based on Dispersion Engineering of Spoof Surface Plasmon Polaritons. IEEE Transactions on Antennas and Propagation, 2018, 66, 7111-7116.	3.1	43
51	Approximation approach of designing practical cloaks with arbitrary shapes. Optics Express, 2008, 16, 15449.	1.7	42
52	A Controllable Magnetic Metamaterial: Split-Ring Resonator With Rotated Inner Ring. IEEE Transactions on Antennas and Propagation, 2008, 56, 2018-2022.	3.1	42
53	All-dielectric metamaterial frequency selective surfaces based on high-permittivity ceramic resonators. Applied Physics Letters, 2015, 106, .	1.5	42
54	Low-RCS and High-Gain Circularly Polarized Metasurface Antenna. IEEE Transactions on Antennas and Propagation, 2019, 67, 7197-7203.	3.1	41

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55	Multiband left-handed metamaterials. Applied Physics Letters, 2009, 95, 014105.	1.5	40
56	A WIDE-BAND, POLARIZATION-INSENSITIVE AND WIDE-ANGLE TERAHERTZ METAMATERIAL ABSORBER. Progress in Electromagnetics Research Letters, 2010, 17, 171-179.	0.4	39
57	k-dispersion engineering of spoof surface plasmon polaritons for beam steering. Optics Express, 2016, 24, 842.	1.7	39
58	An optical-transparent metamaterial for high-efficiency microwave absorption and low infrared emission. Journal Physics D: Applied Physics, 2020, 53, 135109.	1.3	39
59	Loss-Assisted Metasurface at an Exceptional Point. ACS Photonics, 2020, 7, 3321-3327.	3.2	39
60	Merging absorption bands of plasmonic structures via dispersion engineering. Applied Physics Letters, 2018, 112, .	1.5	38
61	General method for designing wave shape transformers. Optics Express, 2008, 16, 22072.	1.7	37
62	Ultra-thin quadri-band metamaterial absorber based on spiral structure. Applied Physics A: Materials Science and Processing, 2015, 118, 443-447.	1.1	37
63	Ultra-wideband transparent 90Â° polarization conversion metasurfaces. Applied Physics A: Materials Science and Processing, 2016, 122, 1.	1.1	37
64	Thermally Tunable Ultra-wideband Metamaterial Absorbers based on Three-dimensional Water-substrate construction. Scientific Reports, 2018, 8, 4423.	1.6	37
65	A Triband Second-Order Frequency Selective Surface. IEEE Antennas and Wireless Propagation Letters, 2011, 10, 507-509.	2.4	36
66	Carbon fiber assisted glass fabric composite materials for broadband radar cross section reduction. Composites Science and Technology, 2018, 158, 19-25.	3.8	36
67	Circulator Based on Spoof Surface Plasmon Polaritons. IEEE Antennas and Wireless Propagation Letters, 2017, 16, 821-824.	2.4	35
68	Wide-angle flat metasurface corner reflector. Applied Physics Letters, 2018, 113, .	1.5	35
69	An optically transparent sandwich structure for radar-infrared bi-stealth. Infrared Physics and Technology, 2020, 105, 103108.	1.3	35
70	Optically transparent coding metasurface with simultaneously low infrared emissivity and microwave scattering reduction. Optics Express, 2020, 28, 27774.	1.7	35
71	Normal-incidence left-handed metamaterials based on symmetrically connected split-ring resonators. Physical Review E, 2010, 81, 036601.	0.8	33
72	Achromatic flat focusing lens based on dispersion engineering of spoof surface plasmon polaritons. Applied Physics Letters, 2017, 110, .	1.5	33

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73	Shared-Aperture Antennas Based on Even- and Odd-Mode Spoof Surface Plasmon Polaritons. IEEE Transactions on Antennas and Propagation, 2020, 68, 3254-3258.	3.1	33
74	High temperature absorbing coatings with excellent performance combined Al2O3 and TiC material. Journal of the European Ceramic Society, 2020, 40, 2013-2019.	2.8	33
75	Fast optimization method of designing a wideband metasurface without using the Pancharatnamâ€“Berry phase. Optics Express, 2018, 26, 1443.	1.7	32
76	In-Plane Feed Antennas Based on Phase Gradient Metasurface. IEEE Transactions on Antennas and Propagation, 2016, 64, 3760-3765.	3.1	31
77	Single-layer metasurface for ultra-wideband polarization conversion: bandwidth extension via Fano resonance. Scientific Reports, 2021, 11, 585.	1.6	31
78	Vortex beam generated by circular-polarized metasurface reflector antenna. Journal Physics D: Applied Physics, 2019, 52, 255306.	1.3	30
79	Reducing RCS of Patch Antennas via Dispersion Engineering of Metamaterial Absorbers. IEEE Transactions on Antennas and Propagation, 2020, 68, 1419-1425.	3.1	30
80	Multi-spectral functional metasurface simultaneously with visible transparency, low infrared emissivity and wideband microwave absorption. Infrared Physics and Technology, 2020, 110, 103469.	1.3	30
81	A visible-light-transparent camouflage-compatible flexible metasurface for infraredâ€“radar stealth applications. Journal Physics D: Applied Physics, 2021, 54, 015001.	1.3	30
82	The effects of Bi(Mg2/3Nb1/3)O3 on piezoelectric and ferroelectric properties of K0.5Na0.5NbO3 lead-free piezoelectric ceramics. Journal of Alloys and Compounds, 2011, 509, 3537-3540.	2.8	29
83	Achieving all-dielectric metamaterial band-pass frequency selective surface via high-permittivity ceramics. Applied Physics Letters, 2016, 108, .	1.5	29
84	BroadBand spoof surface plasmon polaritons coupler based on dispersion engineering of metamaterials. Applied Physics Letters, 2017, 111, .	1.5	29
85	Multifunctional full-space metasurface controlled by frequency, polarization and incidence angle. Optics Express, 2021, 29, 7544.	1.7	29
86	Band split in multiband all-dielectric left-handed metamaterials. Journal of Applied Physics, 2014, 115, .	1.1	28
87	Wideband Polarization Conversion with the Synergy of Waveguide and Spoof Surface Plasmon Polariton Modes. Physical Review Applied, 2018, 10, .	1.5	28
88	Low radar cross section checkerboard metasurface with a transmission window. Journal of Applied Physics, 2018, 124, .	1.1	28
89	Spinâ€toâ€Orbital Angular Momentum Conversion with Quasiâ€Continuous Spatial Phase Response. Advanced Optical Materials, 2019, 7, 1901188.	3.6	28
90	A band enhanced metamaterial absorber based on E-shaped all-dielectric resonators. AIP Advances, 2015, 5, .	0.6	27

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91	A Quad-Band Frequency Selective Surface With Highly Selective Characteristics. IEEE Microwave and Wireless Components Letters, 2016, 26, 562-564.	2.0	27
92	Transparent and broadband absorption-diffusion-integrated low-scattering metamaterial by standing-up lattice. Optics Express, 2018, 26, 28363.	1.7	27
93	Super-thin cloaks mediated by spoof surface plasmons. Photonics and Nanostructures - Fundamentals and Applications, 2012, 10, 540-546.	1.0	26
94	Miniaturized-Element Offset-Feed Planar Reflector Antennas Based on Metasurfaces. IEEE Antennas and Wireless Propagation Letters, 2017, 16, 282-285.	2.4	26
95	Wideband selective polarization conversion mediated by three-dimensional metamaterials. Journal of Applied Physics, 2014, 115, 234506.	1.1	25
96	Electromagnetic reflection reduction of carbon composite materials mediated by collaborative mechanisms. Carbon, 2019, 147, 112-119.	5.4	25
97	Tailoring Circular Dichroism for Simultaneous Control of Amplitude and Phase via Ohmic Dissipation Metasurface. Advanced Optical Materials, 2021, 9, 2100140.	3.6	25
98	Ultra-wideband flexible transparent metamaterial with wide-angle microwave absorption and low infrared emissivity. Optics Express, 2021, 29, 22108.	1.7	25
99	Reconfigurable all-dielectric metamaterial frequency selective surface based on high-permittivity ceramics. Scientific Reports, 2016, 6, 24178.	1.6	23
100	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.	3.1	23
101	Sixâ€Mode Orbital Angular Momentum Generator Enabled by Helicityâ€Assisted Fullâ€Space Metasurface with Flexible Manipulation of Phase, Polarization, and Spatial Information. Advanced Optical Materials, 2022, 10, .	3.6	23
102	Ultraâ€broadband linearly polarisation manipulation metamaterial. Electronics Letters, 2014, 50, 1658-1660.	0.5	22
103	Broadband unidirectional cloaks based on flat metasurface focusing lenses. Journal Physics D: Applied Physics, 2015, 48, 335101.	1.3	22
104	Broadband reflectionless metamaterials with customizable absorptionâ€“transmission-integrated performance. Applied Physics A: Materials Science and Processing, 2017, 123, 1.	1.1	22
105	Broadband Tunable Metamaterial Absorber Based on U-shaped Ferrite Structure. IEEE Access, 2019, 7, 150969-150975.	2.6	22
106	Absorptive frequency selective surface with two alternately switchable transmission/reflection bands. Optics Express, 2021, 29, 4219.	1.7	22
107	Multiplexing the aperture of a metasurface: inverse design via deep-learning-forward genetic algorithm. Journal Physics D: Applied Physics, 2020, 53, 455002.	1.3	22
108	A polarization-dependent wide-angle three-dimensional metamaterial absorber. Journal of Magnetism and Magnetic Materials, 2009, 321, 2805-2809.	1.0	21

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109	Ultra-wideband polarization conversion metasurfaces. , 2014, , .		21
110	Merging bands of polarization convertors by suppressing Fano resonance. Applied Physics Letters, 2018, 113, .	1.5	21
111	Recent developments of metamaterials/metasurfaces for RCS reduction. EPJ Applied Metamaterials, 2019, 6, 15.	0.8	21
112	Low-RCS Multi-Beam Metasurface-Inspired Antenna Based on Pancharatnamâ€“Berry Phase. IEEE Transactions on Antennas and Propagation, 2020, 68, 1899-1906.	3.1	21
113	Full-space-manipulated multifunctional coding metasurface based on â€œFabry-PÃ©rot-likeâ€• cavity. Optics Express, 2019, 27, 21520.	1.7	21
114	Microwave birefringent metamaterials for polarization conversion based on spoof surface plasmon polariton modes. Scientific Reports, 2016, 6, 34518.	1.6	20
115	Broadband spoof surface plasmon polariton couplers based on transmissive phase gradient metasurface. Journal Physics D: Applied Physics, 2017, 50, 375104.	1.3	20
116	Fast coding method of metasurfaces based on 1D coding in orthogonal directions. Journal Physics D: Applied Physics, 2018, 51, 475103.	1.3	20
117	A microwave absorption/transmission integrated sandwich structure based on composite corrugation channel: Design, fabrication and experiment. Composite Structures, 2019, 229, 111425.	3.1	20
118	A thin dielectric ceramic coating with good absorbing properties composed by tungsten carbide and alumina. Journal of Alloys and Compounds, 2020, 818, 152851.	2.8	20
119	A thermally robust and optically transparent infrared selective emitter for compatible camouflage. Journal of Materials Chemistry C, 2021, 9, 15018-15025.	2.7	20
120	Ohmic Dissipationâ€Assisted Complex Amplitude Hologram with High Quality. Advanced Optical Materials, 2021, 9, 2002242.	3.6	20
121	Reflective frequency selective surface based on low-permittivity dielectric metamaterials. Applied Physics Letters, 2015, 107, 211906.	1.5	19
122	Phase random metasurfaces for broadband wideâ€angle radar cross section reduction. Microwave and Optical Technology Letters, 2015, 57, 2813-2819.	0.9	19
123	Diffraction radiation based on an anti-symmetry structure of spoof surface-plasmon waveguide. Applied Physics Letters, 2017, 110, .	1.5	19
124	Dual-band tunable infrared metamaterial absorber with VO<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" id="mml5" display="inline" overflow="scroll" altimg="si5.gif"><mml:msub><mml:mrow /><mml:mrow><mml:mn>2</mml:mn></mml:mrow></mml:msub></mml:math>conformal resonators. Optics Communications, 2017, 402, 518-522.	1.0	19
125	Transparent absorption-diffusion-integrated water-based all-dielectric metasurface for broadband backward scattering reduction. Journal Physics D: Applied Physics, 2018, 51, 485301.	1.3	19
126	Tailoring Circular Dichroism in an Isomeric Manner: Complete Control of Amplitude and Phase for Highâ€Quality Hologram and Beam Forming. Advanced Optical Materials, 2022, 10, .	3.6	19

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127	Achieving all-dielectric left-handed metamaterials via single-sized dielectric resonators. Journal of Applied Physics, 2012, 111, 044903.	1.1	18
128	Enhancing isolation of antenna arrays by simultaneously blocking and guiding magnetic field lines using magnetic metamaterials. Applied Physics Letters, 2016, 109, .	1.5	18
129	Retro-reflective metasurfaces for backscattering enhancement under oblique incidence. AIP Advances, 2017, 7, .	0.6	18
130	Fast switching soluble electrochromic polymers obtained from a 4,9-Dihydro-s-indaceno[1,2-b:5,6-b']dithiophene-embedded system. Synthetic Metals, 2018, 242, 29-36.	2.1	18
131	Multi-Beam Metasurface Antenna by Combining Phase Gradients and Coding Sequences. IEEE Access, 2019, 7, 62087-62094.	2.6	18
132	Controllable Reflection-Enhancement Metasurfaces via Amplification Excitation of Transistor Circuit. IEEE Transactions on Antennas and Propagation, 2021, 69, 1477-1482.	3.1	18
133	Broadband planar achromatic anomalous reflector based on dispersion engineering of spoof surface plasmon polariton. Applied Physics Letters, 2016, 109, .	1.5	17
134	Dispersion engineering of metasurfaces for supporting both TM and TE spoof surface plasmon polariton. Journal Physics D: Applied Physics, 2018, 51, 045109.	1.3	17
135	An FSS-Backed Dual-Band Reflective Polarization Conversion Metasurface. IEEE Access, 2019, 7, 104435-104442.	2.6	17
136	A Broadband Wide-Angle Synthetical Absorber Designed by Topology Optimization of Resistance Surface and Metal Wires. IEEE Access, 2019, 7, 142675-142681.	2.6	17
137	Synthetic design for a microwave absorber and antireflection to achieve wideband scattering reduction. Journal Physics D: Applied Physics, 2019, 52, 035103.	1.3	17
138	Multiple working mechanism metasurface with high optical transparency, low infrared emissivity and microwave reflective reduction. Infrared Physics and Technology, 2020, 111, 103524.	1.3	17
139	Circularly Polarized Spinâ€Selectivity Absorbing Coding Phase Gradient Metasurface for RCS Reduction. Advanced Theory and Simulations, 2020, 3, 1900217.	1.3	17
140	Multidimensionally Manipulated Active Coding Metasurface by Merging Pancharatnamâ€“Berry Phase and Dynamic Phase. Advanced Optical Materials, 2021, 9, 2100484.	3.6	17
141	ULTRA-WIDE-BAND MICROWAVE COMPOSITE ABSORBERS BASED ON PHASE GRADIENT METASURFACES. Progress in Electromagnetics Research M, 2014, 40, 9-18.	0.5	16
142	Integrating absorber with non-planar plasmonic structure for k-vector matching absorption enhancement. Journal of Applied Physics, 2018, 124, .	1.1	16
143	A frequency-scanning antenna based on hybridization of the quasi-TEM mode and spoof surface plasmon polaritons mode. Journal Physics D: Applied Physics, 2019, 52, 38LT01.	1.3	16
144	Compact High-Efficiency Resonator Antennas Based on Dispersion Engineering of Even-Mode Spoof Surface Plasmon Polaritons. IEEE Transactions on Antennas and Propagation, 2020, 68, 2557-2564.	3.1	16

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145	Achieving broadband RCS reduction using carbon fiber connected composite via scattering mechanism. Composites Science and Technology, 2020, 200, 108410.	3.8	16
146	Wideband planar retro-reflective metasurfaces for backscattering enhancement under oblique incidence. Journal Physics D: Applied Physics, 2018, 51, 335103.	1.3	15
147	Achieving circular-to-linear polarization conversion and beam deflection simultaneously using anisotropic coding metasurfaces. Scientific Reports, 2019, 9, 12264.	1.6	15
148	Efficient orbital angular momentum vortex beam generation by generalized coding metasurface. Applied Physics A: Materials Science and Processing, 2019, 125, 1.	1.1	15
149	Synthetical dispersion engineering in plasmonic metamaterial absorber for broadband absorption enhancement. Journal Physics D: Applied Physics, 2019, 52, 085103.	1.3	15
150	Dualâ€band miniaturised FSS with stable resonance frequencies of 3.4/4.9 GHz for 5G communication systems applications. IET Microwaves, Antennas and Propagation, 2020, 14, 1-6.	0.7	15
151	Tunable Frequency Selective Surface With Angular Stability. IEEE Antennas and Wireless Propagation Letters, 2021, 20, 1108-1112.	2.4	15
152	Multifunctional ultra-thin metasurface with low infrared emissivity, microwave absorption and high optical transmission. Optics Communications, 2021, 500, 127327.	1.0	15
153	Wave-shape-keeping media. Optics Letters, 2009, 34, 127.	1.7	14
154	High-efficiency polarization conversion based on spatial dispersion modulation of spoof surface plasmon polaritons. Optics Express, 2016, 24, 24938.	1.7	14
155	Polarization and angle insensitive dual-band bandpass frequency selective surface using all-dielectric metamaterials. Journal of Applied Physics, 2016, 119, .	1.1	14
156	Highlyâ€selective, closelyâ€spaced, dualâ€band FSS with secondâ€order characteristic. IET Microwaves, Antennas and Propagation, 2016, 10, 1087-1091.	0.7	14
157	Ultra-thin and -broadband microwave magnetic absorber enhanced by phase gradient metasurface incorporation. Journal Physics D: Applied Physics, 2018, 51, 215001.	1.3	14
158	Design of Frequency Selective Surface Based on Spoof Surface Plasmon Polariton Modes. IEEE Antennas and Wireless Propagation Letters, 2018, 17, 1123-1126.	2.4	14
159	Three-Dimensional Resistive Metamaterial Absorber Loaded with Metallic Resonators for the Enhancement of Lower-Frequency Absorption. Materials, 2018, 11, 210.	1.3	14
160	Ultra-wideband side-lobe level suppression using amplitude-adjustable metasurfaces. Journal Physics D: Applied Physics, 2019, 52, 065102.	1.3	14
161	Extraordinary transmission of electromagnetic waves through sub-wavelength slot arrays mediated by spoof surface plasmon polaritons. Applied Physics Letters, 2016, 108, 194101.	1.5	14
162	Microwave-infrared compatible stealth via high-temperature frequency selective surface upon Al2O3-TiC coating. Journal of Alloys and Compounds, 2022, 920, 165977.	2.8	14

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163	Single-Layer Achiral Metasurface with Independent Amplitudeâ€“Phase Control for Both Left-Handed and Right-Handed Circular Polarizations. ACS Applied Materials & Interfaces, 2022, 14, 33968-33975.	4.0	14
164	Design of Super-Thin Cloaks With Arbitrary Shapes using Interconnected Patches. IEEE Transactions on Antennas and Propagation, 2015, 63, 384-389.	3.1	13
165	Origami-inspired building block and parametric design for mechanical metamaterials. Journal Physics D: Applied Physics, 2016, 49, 315302.	1.3	13
166	High-efficiency real-time waveform modulator for free space waves based on dispersion engineering of spoof surface plasmon polaritons. Journal Physics D: Applied Physics, 2017, 50, 215104.	1.3	13
167	Ultra-broadband co-polarization anomalous reflection metasurface. Applied Physics A: Materials Science and Processing, 2017, 123, 1.	1.1	13
168	Design of a Self-Complementary Frequency Selective Surface With Multi-Band Polarization Separation Characteristic. IEEE Access, 2019, 7, 36788-36799.	2.6	13
169	A thermally tunable THz metamaterial frequency-selective surface based on barium strontium titanate thin film. Journal Physics D: Applied Physics, 2019, 52, 045301.	1.3	13
170	Al2O3 based ceramic with polarization controlled meta-structure for high-temperature broadband backward scattering manipulation. Journal of Alloys and Compounds, 2021, 854, 157168.	2.8	13
171	Chiral Absorber-Based Frequency Selective Rasorber With Identical Filtering Characteristics for Distinct Polarizations. IEEE Transactions on Antennas and Propagation, 2022, 70, 3506-3514.	3.1	13
172	A broad-band three-dimensional isotropic left-handed metamaterial. Journal Physics D: Applied Physics, 2009, 42, 155413.	1.3	12
173	A single layer ultra-miniaturized FSS operating in VHF. Photonics and Nanostructures - Fundamentals and Applications, 2015, 17, 1-9.	1.0	12
174	Spoof surface plasmon polaritons excitation and wavefront control by Pancharatnamâ€“Berry phase manipulating metasurface. Journal Physics D: Applied Physics, 2018, 51, 215302.	1.3	12
175	Multifieldâ€Inspired Tunable Carrier Effects Based on Ferroelectricâ€Silicon PN Heterojunction. Advanced Electronic Materials, 2020, 6, 1900795.	2.6	12
176	Wideband Absorbing Plasmonic Structures via Profile Optimization Based on Genetic Algorithm. Frontiers in Physics, 2020, 8, .	1.0	12
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