Guang-Ming Wang

List of Publications by Year
in descending order

202 papers	5,623 citations	61945 43 h-index	95218 68 g-index
202 all docs	202 docs citations	202 times ranked	3138 citing authors

#	Article	IF	Citations
1	Highâ€Performance Bifunctional Metasurfaces in Transmission and Reflection Geometries. Advanced Optical Materials, 2017, 5, 1600506.	3.6	208
2	X-Band Phase-Gradient Metasurface for High-Gain Lens Antenna Application. IEEE Transactions on Antennas and Propagation, 2015, 63, 5144-5149.	3.1	196
3	High-Efficiency and Full-Space Manipulation of Electromagnetic Wave Fronts with Metasurfaces. Physical Review Applied, 2017, 8, .	1.5	190
4	Interference-assisted kaleidoscopic meta-plexer for arbitrary spin-wavefront manipulation. Light: Science and Applications, 2019, 8, 3.	7.7	153
5	Triple-band polarization-insensitive wide-angle ultra-miniature metamaterial transmission line absorber. Physical Review B, 2012, 86, .	1.1	145
6	Compact dual-band circular polarizer using twisted Hilbert-shaped chiral metamaterial. Optics Express, 2013, 21, 24912.	1.7	142
7	Compact Circularly Polarized Antennas Combining Meta-Surfaces and Strong Space-Filling Meta-Resonators. IEEE Transactions on Antennas and Propagation, 2013, 61, 3442-3450.	3.1	137
8	Multifunctional Microstrip Array Combining a Linear Polarizer and Focusing Metasurface. IEEE Transactions on Antennas and Propagation, 2016, 64, 3676-3682.	3.1	135
9	Dual-Mode Transmissive Metasurface and Its Applications in Multibeam Transmitarray. IEEE Transactions on Antennas and Propagation, 2017, 65, 1797-1806.	3.1	131
10	Ultra-Thin Polarization Beam Splitter Using 2-D Transmissive Phase Gradient Metasurface. IEEE Transactions on Antennas and Propagation, 2015, 63, 5629-5636.	3.1	119
11	High-Efficiency Metasurface With Polarization-Dependent Transmission and Reflection Properties for Both Reflectarray and Transmitarray. IEEE Transactions on Antennas and Propagation, 2018, 66, 3219-3224.	3.1	117
12	Single-Layer Focusing Gradient Metasurface for Ultrathin Planar Lens Antenna Application. IEEE Transactions on Antennas and Propagation, 2017, 65, 1452-1457.	3.1	116
13	Phase- and Amplitude-Control Metasurfaces for Antenna Main-Lobe and Sidelobe Manipulations. IEEE Transactions on Antennas and Propagation, 2018, 66, 5121-5129.	3.1	115
14	Dynamical control on helicity of electromagnetic waves by tunable metasurfaces. Scientific Reports, 2016, 6, 27503.	1.6	112
15	Directivity Improvement of Vivaldi Antenna Using Double-Slot Structure. IEEE Antennas and Wireless Propagation Letters, 2013, 12, 1380-1383.	2.4	99
16	An Octave-Bandwidth Half Maxwell Fish-Eye Lens Antenna Using Three-Dimensional Gradient-Index Fractal Metamaterials. IEEE Transactions on Antennas and Propagation, 2014, 62, 4823-4828.	3.1	80
17	Wideband Transparent Beam-Forming Metadevice with Amplitude- and Phase-Controlled Metasurface. Physical Review Applied, 2019, 11, .	1.5	80
18	An Efficient Decoupling Network Between Feeding Points for Multielement Linear Arrays. IEEE Transactions on Antennas and Propagation, 2019, 67, 3101-3108.	3.1	78

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19	A Broadband Planar Monopulse Antenna Array of C-Band. IEEE Antennas and Wireless Propagation Letters, 2009, 8, 1325-1328.	2.4	75
20	A Novel Metasurface for Dual-Mode and Dual-Band Flat High-Gain Antenna Application. IEEE Transactions on Antennas and Propagation, 2018, 66, 3706-3711.	3.1	75
21	Terahertz toroidal metasurface biosensor for sensitive distinction of lung cancer cells. Nanophotonics, 2021, 11, 101-109.	2.9	74
22	Low-Profile Compact Circularly-Polarized Antenna Based on Fractal Metasurface and Fractal Resonator. IEEE Antennas and Wireless Propagation Letters, 2015, 14, 1072-1076.	2.4	73
23	Wavenumberâ€Splitting Metasurfaces Achieve Multichannel Diffusive Invisibility. Advanced Optical Materials, 2018, 6, 1800010.	3.6	70
24	Tunable Pancharatnamâ€“Berry metasurface for dynamical and high-efficiency anomalous reflection. Optics Express, 2016, 24, 27836.	1.7	69
25	Hilbert-Shaped Magnetic Waveguided Metamaterials for Electromagnetic Coupling Reduction of Microstrip Antenna Array. IEEE Transactions on Magnetics, 2013, 49, 1526-1529.	1.2	68
26	Compact Microstrip Antenna With Enhanced Bandwidth by Loading Magneto-Electro-Dielectric Planar Waveguided Metamaterials. IEEE Transactions on Antennas and Propagation, 2015, 63, 2306-2311.	3.1	66
27	Analysis and Design of Two-Dimensional Resonant-Type Composite Right/Left-Handed Transmission Lines With Compact Gain-Enhanced Resonant Antennas. IEEE Transactions on Antennas and Propagation, 2013, 61, 735-747.	3.1	63
28	Ultrawideband chromatic aberration-free meta-mirrors. Advanced Photonics, 2020, 3, .	6.2	63
29	Threeâ€Dimensional Super Lens Composed of Fractal Leftâ€Handed Materials. Advanced Optical Materials, 2013, 1, 495-502.	3.6	61
30	Circularly Polarized Fabry-Perot Antenna Employing a Receiverâ€“Transmitter Polarization Conversion Metasurface. IEEE Transactions on Antennas and Propagation, 2020, 68, 3213-3218.	3.1	59
31	CPW-Fed Dual-Band Linearly and Circularly Polarized Antenna Employing Novel Composite Right/Left-Handed Transmission-Line. IEEE Antennas and Wireless Propagation Letters, 2013, 12, 1073-1076.	2.4	58
32	High-Directivity Emissions with Flexible Beam Numbers and Beam Directions Using Gradient-Refractive-Index Fractal Metamaterial. Scientific Reports, 2014, 4, 5744.	1.6	58
33	Broadband RCS Reduction Based on Spiral-Coded Metasurface. IEEE Antennas and Wireless Propagation Letters, 2017, 16, 3188-3191.	2.4	57
34	Broadband Spin-Decoupled Metasurface for Dual-Circularly Polarized Reflector Antenna Design. IEEE Transactions on Antennas and Propagation, 2020, 68, 3534-3543.	3.1	57
35	Miniaturization of 3-D Anistropic Zero-Refractive-Index Metamaterials With Application to Directive Emissions. IEEE Transactions on Antennas and Propagation, 2014, 62, 3141-3149.	3.1	56
36	High-Performance Transmissive Meta-Surface for C -/ X -Band Lens Antenna Application. IEEE Transactions on Antennas and Propagation, 2017, 65, 3598-3606.	3.1	54

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37	Bifunctional Pancharatnamâ€Berry Metasurface with Highâ€Efficiency Helicityâ€Dependent Transmissions and Reflections. Annalen Der Physik, 2018, 530, 1700321.	0.9	54
38	RCS Reduction Based on Concave/Convex-Chessboard Random Parabolic-Phased Metasurface. IEEE Transactions on Antennas and Propagation, 2020, 68, 2463-2468.	3.1	54
39	Siliconâ€Based Terahertz Metaâ€Devices for Electrical Modulation of Fano Resonance and Transmission Amplitude. Advanced Optical Materials, 2020, 8, 2000449.	3.6	52
40	A Dual-Polarized Two-Dimensional Beam-Steering Fabryâ€“PÃ©rot Cavity Antenna With a Reconfigurable Partially Reflecting Surface. IEEE Antennas and Wireless Propagation Letters, 2017, 16, 2370-2374.	2.4	50
41	Broadband Polarization-Conversion Metasurface for a Cassegrain Antenna with High Polarization Purity. Physical Review Applied, 2019, 12, .	1.5	48
42	Helicityâ€Dependent Multifunctional Metasurfaces for Fullâ€Space Wave Control. Advanced Optical Materials, 2020, 8, 1901719.	3.6	46
43	Ultra-small single-negative electric metamaterials for electromagnetic coupling reduction of microstrip antenna array. Optics Express, 2012, 20, 21968.	1.7	44
44	Broadband Balun Using Fully Artificial Fractal-Shaped Composite Right/Left Handed Transmission Line. IEEE Microwave and Wireless Components Letters, 2012, 22, 16-18.	2.0	44
45	Ultra-Wideband <formula formulatype="inline"><tex Notation="TeX">E</tex></formula>-Plane Monopulse Antenna Using Vivaldi Antenna. IEEE Transactions on Antennas and Propagation, 2014, 62, 4961-4969.	3.1	44
46	Airy Beam Generation: Approaching Ideal Efficiency and Ultra Wideband with Reflective and Transmissive Metasurfaces. Advanced Optical Materials, 2020, 8, 2000860.	3.6	44
47	Dual-Band Low-Scattering Metasurface Based on Combination of Diffusion and Absorption. IEEE Antennas and Wireless Propagation Letters, 2017, 16, 2606-2609.	2.4	42
48	Dual-Phase Hybrid Metasurface for Independent Amplitude and Phase Control of Circularly Polarized Wave. IEEE Transactions on Antennas and Propagation, 2020, 68, 7705-7710.	3.1	41
49	Transmissionâ€“Reflection-Selective Metasurface and Its Application to RCS Reduction of High-Gain Reflector Antenna. IEEE Transactions on Antennas and Propagation, 2020, 68, 1426-1435.	3.1	39
50	Superscatterer Illusions Without Using Complementary Media. Advanced Optical Materials, 2014, 2, 572-580.	3.6	38
51	WIDEBAND RCS REDUCTION OF HIGH GAIN FABRY-PEROT ANTENNA EMPLOYING A RECEIVER-TRANSMITTER METASURFACE. Progress in Electromagnetics Research, 2020, 169, 103-115.	1.6	38
52	Low-Scattering Tri-Band Metasurface Using Combination of Diffusion, Absorption and Cancellation. IEEE Access, 2018, 6, 17306-17312.	2.6	37
53	Ultra-wideband linear-to-circular polarization converter with ellipse-shaped metasurfaces. Optics Communications, 2019, 451, 124-128.	1.0	36
54	High-efficiency and ultra-broadband asymmetric transmission metasurface based on topologically coding optimization method. Optics Express, 2019, 27, 2844.	1.7	36

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55	Compact Low-Profile Dual-Band Patch Antenna Using Novel TL-MTM Structures. IEEE Antennas and Wireless Propagation Letters, 2015, 14, 567-570.	2.4	34
56	Design of leakyâ€wave antenna with wide beamâ€scanning angle and low crossâ€polarisation using novel miniaturised composite right/leftâ€handed transmission line. IET Microwaves, Antennas and Propagation, 2016, 10, 777-783.	0.7	34
57	Broadband Folded Transmitarray Antenna With Ultralow-Profile Based on Metasurfaces. IEEE Transactions on Antennas and Propagation, 2021, 69, 7017-7022.	3.1	34
58	A metamaterial antenna with frequency-scanning omnidirectional radiation patterns. Applied Physics Letters, 2012, 101, 173501.	1.5	31
59	Dual-band transmissive circular polarization generator with high angular stability. Optics Express, 2020, 28, 14995.	1.7	31
60	Ultra-thin and high-efficiency full-space Pancharatnam-Berry metasurface. Optics Express, 2020, 28, 31216.	1.7	31
61	Metamaterial lens made of fully printed resonant-type negative-refractive-index transmission lines. Applied Physics Letters, 2013, 102, .	1.5	29
62	Broadband Antenna Employing Simplified MTLs for WLAN/WiMAX Applications. IEEE Antennas and Wireless Propagation Letters, 2014, 13, 595-598.	2.4	27
63	High-efficiency dual-modes vortex beam generator with polarization-dependent transmission and reflection properties. Scientific Reports, 2018, 8, 6422.	1.6	27
64	Design of Single-Layered Ultrawideband High-Efficiency Circularly Polarized Reflectarray. IEEE Antennas and Wireless Propagation Letters, 2018, 17, 1386-1390.	2.4	27
65	Compact Bandpass Filter With Two Tunable Transmission Zeros Using Hybrid Resonators. IEEE Microwave and Wireless Components Letters, 2015, 25, 88-90.	2.0	25
66	WIDEBAND MULTIFUNCTIONAL METASURFACE FOR POLARIZATION CONVERSION AND GAIN ENHANCEMENT. Progress in Electromagnetics Research, 2016, 155, 115-125.	1.6	25
67	Random Combinatorial Gradient Metasurface for Broadband, Wide-Angle and Polarization-Independent Diffusion Scattering. Scientific Reports, 2017, 7, 16560.	1.6	25
68	Ultrawideband Spinâ€Decoupled Coding Metasurface for Independent Dualâ€Channel Wavefront Tailoring. Annalen Der Physik, 2020, 532, 1900472.	0.9	25
69	Conformal Polarization Conversion Metasurface for Omni-Directional Circular Polarization Antenna Application. IEEE Transactions on Antennas and Propagation, 2021, 69, 3349-3358.	3.1	25
70	Three-dimensional ultra-broadband absorber based on novel zigzag-shaped structure. Optics Express, 2019, 27, 32835.	1.7	25
71	Terahertz meta-biosensor based on high-Q electrical resonance enhanced by the interference of toroidal dipole. Biosensors and Bioelectronics, 2022, 214, 114493.	5.3	25
72	Flexible and polarization-controllable diffusion metasurface with optical transparency. Journal Physics D: Applied Physics, 2017, 50, 465102.	1.3	24

#	Article	IF	Citations
73	Multi-functional coding metasurface for dual-band independent electromagnetic wave control. Optics Express, 2019, 27, 19196.	1.7	24
74	Helicity-dependent metasurfaces employing receiver-transmitter meta-atoms for full-space wavefront manipulation. Optics Express, 2020, 28, 27575.	1.7	24
75	A leaky-wave antenna using double-layered metamaterial transmission line. Applied Physics A: Materials Science and Processing, 2013, 111, 549-555.	1.1	22
76	A Novel Planar Printed Dual-Band Magneto-Electric Dipole Antenna. IEEE Access, 2017, 5, 10062-10067.	2.6	20
77	3Dâ€Printed Curved Metasurface with Multifunctional Wavefronts. Advanced Optical Materials, 2020, 8, 2000129.	3.6	20
78	Multifield Controlled Terahertz Modulator Based on Siliconâ€Vanadium Dioxide Hybrid Metasurface. Advanced Optical Materials, 2022, 10, .	3.6	20
79	Dual-shunt branch circuit and harmonic suppressed device application. Applied Physics A: Materials Science and Processing, 2012, 108, 497-502.	1.1	18
80	Compact Antenna Using Finger-Connected Interdigital Capacitor-Based Composite Right/Left-Handed Transmission-Line Unit Cell. IEEE Transactions on Antennas and Propagation, 2016, 64, 1994-1999.	3.1	18
81	A Novel Broadband Bi-Functional Metasurface for Vortex Generation and Simultaneous RCS Reduction. IEEE Access, 2018, 6, 63999-64007.	2.6	18
82	High-performance broadband vortex beam generator based on double-layered reflective metasurface. AIP Advances, 2018, 8, .	0.6	18
83	Dual-frequency geometric phase metasurface for dual-mode vortex beam generator. Journal Physics D: Applied Physics, 2019, 52, 255002.	1.3	17
84	High-Gain Wideband Metasurface Antenna With Low Profile. IEEE Access, 2019, 7, 177266-177273.	2.6	17
85	A wideband and multi-mode metasurface antenna with gain enhancement. AEU - International Journal of Electronics and Communications, 2020, 126, 153402.	1.7	17
86	Circularly Polarized Double-Folded Transmitarray Antenna Based on Receiver-Transmitter Metasurface. IEEE Transactions on Antennas and Propagation, 2022, 70, 11161-11166.	3.1	17
87	Analysis and Design of Novel 2-D Transmission-Line Metamaterial and Its Application to Compact Dual-Band Antenna. IEEE Antennas and Wireless Propagation Letters, 2014, 13, 555-558.	2.4	15
88	Designing an ultra-thin and wideband low-frequency absorber based on lumped resistance. Optics Express, 2022, 30, 914.	1.7	15
89	Equivalent-circuit-intervened deep learning metasurface. Materials and Design, 2022, 218, 110725.	3.3	15
90	Novel composite rightâ€/leftâ€handed transmission lines using fractal geometry and compact microwave devices application. Radio Science, 2011, 46, .	0.8	14

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91	Substrateâ€integrated lowâ€profile unidirectional antenna. IET Microwaves, Antennas and Propagation, 2018, 12, 185-189.	0.7	14
92	Gain and AR Improvements of the Wideband Circularly Polarized Fabry-Perot Resonator Antenna. IEEE Transactions on Antennas and Propagation, 2021, 69, 6965-6970.	3.1	14
93	A metamaterial with multi-band left handed characteristic. Applied Physics A: Materials Science and Processing, 2012, 107, 261-268.	1.1	13
94	Wideband beam-forming metasurface with simultaneous phase and amplitude modulation. Optics Communications, 2020, 466, 124601.	1.0	13
95	Metasurface-based coupling suppression for wideband multiple-input-multiple-output antenna arrays. Optics Express, 2021, 29, 41643.	1.7	13
96	Ultra-thin anisotropic metasurface for polarized beam splitting and reflected beam steering applications. Journal Physics D: Applied Physics, 2016, 49, 425305.	1.3	12
97	Ultra-thin reflecting polarization beam splitter under spherical wavesâ€™ illumination by using single-layered anisotropic metasurface. Applied Physics A: Materials Science and Processing, 2017, 123, 1.	1.1	12
98	Bifunctional circularly-polarized lenses with simultaneous geometrical and propagating phase control metasurfaces. Journal Physics D: Applied Physics, 2019, 52, 465105.	1.3	12
99	Tunable metasurface with controllable polarizations and reflection/transmission properties. Journal Physics D: Applied Physics, 2020, 53, 155102.	1.3	12
100	Mutual coupling reduction of quasi-Yagi antenna array with hybrid wideband decoupling structure. AEU - International Journal of Electronics and Communications, 2021, 129, 153553.	1.7	12
101	Compact, low return-loss, and sharp-rejection UWB filter using Sierpinski carpet slot in a metamaterial transmission line. International Journal of Applied Electromagnetics and Mechanics, 2011, 37, 253-262.	0.3	11
102	A Novel Methodology for Gain Enhancement of the Fabry-PÃ©rot Antenna. IEEE Access, 2019, 7, 176170-176176.	2.6	11
103	Dualâ€Sensitivity Terahertz Metasensor Based on Latticeâ€“Toroidalâ€Coupled Resonance. Advanced Photonics Research, 2021, 2, 2000175.	1.7	11
104	Compact circularly polarized omnidirectional microstrip antenna. Microwave and Optical Technology Letters, 2009, 51, 2643-2646.	0.9	10
105	Design of a new meander Archimedean spiral antenna. Microwave and Optical Technology Letters, 2010, 52, 2384-2387.	0.9	10
106	Novel ultra-compact two-dimensional waveguide-based metasurface for electromagnetic coupling reduction of microstrip antenna array. International Journal of RF and Microwave Computer-Aided Engineering, 2015, 25, 789-794.	0.8	10
107	Novel fabry-pÃ©rot cavity antenna with enhanced beam steering property using reconfigurable meta-surface. Applied Physics A: Materials Science and Processing, 2017, 123, 1.	1.1	10
108	Bifunctional spoof surface plasmon polariton meta-coupler using anisotropic transmissive metasurface. Nanophotonics, 2022, 11, 1177-1185.	2.9	10

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109	Broadband digital phase shifter based on composite right/leftâ€handed transmission line. Microwave and Optical Technology Letters, 2008, 50, 2365-2368.	0.9	9
110	A novel combined structure for decoupling E/H-plane microstrip antenna array. International Journal of RF and Microwave Computer-Aided Engineering, 2018, 28, e21244.	0.8	9
111	Microstrip Antenna Array of Connected Elements Using X-Shaped Connection Line. IEEE Antennas and Wireless Propagation Letters, 2018, 17, 890-893.	2.4	9
112	Decoupling of Dual-band Closely Spaced MIMO Antennas Based on Novel Coupled Resonator Structure. Frequenz, 2018, 72, 437-441.	0.6	9
113	Design of a novel metasurface for dual-band Fabry-PÃ©rot cavity antenna. International Journal of RF and Microwave Computer-Aided Engineering, 2018, 28, e21181.	0.8	9
114	Decoupling antenna array with X-shaped strip. International Journal of RF and Microwave Computer-Aided Engineering, 2019, 29, e21601.	0.8	9
115	Wideband leaky-wave antenna with consistent gain and wide beam scanning angle based on multilayered substrate integrated waveguide composite right/left-handed transmission line. International Journal of RF and Microwave Computer-Aided Engineering, 2016, 26, 731-738.	0.8	8
116	Ultra-broadband transmissive gradient metasurface based on the topologically coding optimization method. Optics Express, 2021, 29, 22136.	1.7	8
117	A Novel Wide Stopband PBG Structure with Fractal Features and Its application to the Design of Microstrip Low-pass Filter. , 2006, , .		7
118	A Low-Profile Equiangular Spiral Antenna Using a Novel EBG Ground Plane. , 2006, , .		7
119	Theoretical and experimental study of the backward-wave radiation using resonant-type metamaterial transmission lines. Journal of Applied Physics, 2012, 112, 104513.	1.1	7
120	A multi-functional vortex beam generator based on transparent anisotropic metasurface. Optics Communications, 2019, 435, 311-318.	1.0	7
121	Miniaturized fractal-shaped branch-line coupler for dual-band applications based on composite right/left handed transmission lines. Journal of Zhejiang University: Science C, 2011, 12, 766-773.	0.7	6
122	Leftâ€Handed Materials: Threeâ€Dimensional Super Lens Composed of Fractal Leftâ€Handed Materials (Advanced Optical Materials 7/2013). Advanced Optical Materials, 2013, 1, 494-494.	3.6	6
123	Wideband and Gain Enhancement SIW Slot Array Antenna Using Sparsification Processing and Composite Metasurface. IEEE Transactions on Antennas and Propagation, 2021, 69, 9009-9014.	3.1	6
124	High-efficiency Receiver-Transmitter Metasurfaces with Independent Control of Polarization, Amplitude and Phase. , 2020, , .		6
125	Composite right/leftâ€handed transmission line based on Koch fractal shape slot in the ground and UWB filter application. Microwave and Optical Technology Letters, 2009, 51, 2160-2163.	0.9	5
126	Wideband dual-element leaky-wave antenna with constant gain and enhanced broadside radiation bandwidth using multilayered composite right/left-handed substrate integrated waveguide. International Journal of RF and Microwave Computer-Aided Engineering, 2017, 27, e21070.	0.8	5

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127	Novel High-Gain Circularly Polarized Lens Antenna Using Single-Layer Transmissive Metasurface. Frequenz, 2017, 71, 267-272.	0.6	5
128	Beam Scanning Antenna with Wideband Broadside Radiation Based on Multilayered Substrate Integrated Waveguide Composite Right/Left-Handed Structure. Frequenz, 2017, 71, 29-35.	0.6	5
129	Planar Spoof Surface Plasmon Polariton Antenna by Using Transmissive Phase Gradient Metasurface. Annalen Der Physik, 2020, 532, 2000008.	0.9	5
130	Broadband <scp>substrateâ€integrated waveguideâ€fed</scp> endfire metasurface antenna array with gain enhancement. International Journal of RF and Microwave Computer-Aided Engineering, 2021, 31, e22551.	0.8	5
131	Circularly Polarized Transmissive Metaâ€Holograms with High Fidelity. Advanced Photonics Research, 2021, 2, 2100076.	1.7	5
132	Circularly Polarized FP Resonator Antenna With 360Â° Beam-Steering. IEEE Transactions on Antennas and Propagation, 2021, 69, 8854-8859.	3.1	5
133	Filter-Assisted Metasurface for Full-Space Wavefront Manipulation and Energy Allocation. ACS Applied Electronic Materials, 2021, 3, 4465-4471.	2.0	5
134	A semicircular bandâ€notch ultraâ€wideband printed antenna based on CSRR. Microwave and Optical Technology Letters, 2010, 52, 2387-2390.	0.9	4
135	Low-profile Archimedean spiral antenna with approximate 50 Î© input impedance. International Journal of Electronics Letters, 2013, 1, 151-158.	0.7	4
136	Novel Compact Mushroom-Type EBG Structure for Electromagnetic Coupling Reduction of Microstrip Antenna array. Frequenz, 2015, 69, .	0.6	4
137	A novel compact ultra wideband antenna having dual frequency band-notched function. , 2016, , .		4
138	Highly efficient multifunctional metasurface for high-gain lens antenna application. Applied Physics A: Materials Science and Processing, 2017, 123, 1.	1.1	4
139	Compact Dual-Resonance Element With Low Phase Sensitivity for Offset Reflectarray Antennas. IEEE Antennas and Wireless Propagation Letters, 2017, 16, 1213-1216.	2.4	4
140	A compact Ka-band antenna-in-package for system-in-package application. IEICE Electronics Express, 2017, 14, 20170444-20170444.	0.3	4
141	Frequency Reconfigurable Quasi-Yagi Antenna with a Novel Balun Loading Four PIN Diodes. Frequenz, 2018, 72, 189-195.	0.6	4
142	Multifunctional Full-Space Metasurface With Complete Polarization Control. IEEE Access, 2019, 7, 88830-88835.	2.6	4
143	Analysis and Design of a Broadband Metasurface- Based Vortex Beam Generator. IEEE Access, 2019, 7, 129529-129536.	2.6	4
144	A Ka-band TDD front-end chip with 24.7% bandwidth and temperature compensation technology. IEICE Electronics Express, 2017, 14, 20170350-20170350.	0.3	4

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145	Design of a broadband planar monopulse antenna of S band. , 2011, , .		3
146	Novel microstrip left-handed resonator with dual notched bands and its application in miniaturized triple-band 3-dB power divider. Journal of Electromagnetic Waves and Applications, 2015, 29, 210-217.	1.0	3
147	Compact wideband antenna based on novel composite right/left handed transmission line. Journal of Electromagnetic Waves and Applications, 2015, 29, 1140-1148.	1.0	3
148	Wideband frequencyâ€scanning phasedâ€array feed network using novel composite right/leftâ€handed unit cell. Electronics Letters, 2016, 52, 55-57.	0.5	3
149	A Simple Ultra-Wideband Magneto-Electric Dipole Antenna With High Gain. Frequenz, 2017, 72, .	0.6	3
150	A novel receiver-transmitter metasurface for a high-aperture-efficiency Fabry-Perot resonator antenna*. Chinese Physics B, 2021, 30, 084103.	0.7	3
151	Wide-Angle Frequency-Scanning Array Antenna Using Dual-Layer Finger Connected Interdigital Capacitor Based CRLH Unit Cell. IEEE Access, 2021, 9, 35957-35967.	2.6	3
152	Broadband and highâ€apertureâ€efficiency metasurface antenna using multiâ€mode radiator. International Journal of RF and Microwave Computer-Aided Engineering, 2022, 32, e22930.	0.8	3
153	Stealth radome with an ultra-broad transparent window and a high selectivity transition band. Optics Express, 2022, 30, 16009.	1.7	3
154	Reconstruction of ISAR imaging using time-frequency distribution series method. , 2007, , .		2
155	Design and application of composite right/left-handed transmission line based on complementary meander archimedean spiral resonator. International Journal of RF and Microwave Computer-Aided Engineering, 2012, 22, 281-288.	0.8	2
156	Novel 2D CRLH TL and Its ZOR and FOR Applied on Dual-Band Omnidirectional Radiation Antenna. Frequenz, 2015, 69, .	0.6	2
157	A novel magneto-electric dipole antenna with a differential feeding structure. , 2016, , .		2
158	Novel improved metamaterial transmission line and its application in wideband leaky-wave antenna with wide beam-scanning angle range and low cross-polarization. Journal of Electromagnetic Waves and Applications, 2016, 30, 2215-2226.	1.0	2
159	Substrate integrated low-profile dual-band magneto-electric dipole antenna. International Journal of RF and Microwave Computer-Aided Engineering, 2018, 28, e21229.	0.8	2
160	A Novel Triple-Band Dipole Antenna for WLAN/WiMAX/LTE Applications. Frequenz, 2018, 72, 353-358.	0.6	2
161	Design of Miniaturized Branch-Line Coupler Based on Novel Composite Right/Left-Handed Transmission Line Structure. , 2019, , .		2
162	Sequentially rotated polarization conversion metasurface for circularly polarized Fabryâ€Perot cavity antenna. International Journal of RF and Microwave Computer-Aided Engineering, 2021, 31, e22725.	0.8	2

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163	Array-antenna Decoupling Surface for Dual-band Microstrip Antenna Array. , 2020, , .		2
164	Novel Polarization Conversion Metasurface for Circularly Polarized Fabry-Perot Cavity Antenna. , 2020, , .		2
165	Design of a novel compound decoupling structure for multipleâ€input multipleâ€output antenna array. International Journal of RF and Microwave Computer-Aided Engineering, 2022, 32, .	0.8	2
166	Size-reduced Fractal-shaped Dual Planar PBG Microstrip Low-pass Filter. , 2006, , .		1
167	Novel compact single complementary split ring resonator. , 2009, , .		1
168	Design of a highly miniaturized compound spiral antenna. , 2010, , .		1
169	Wide stopband and sharpâ€rejection lowâ€pass filter using uniplanar double spiral resonators. Microwave and Optical Technology Letters, 2011, 53, 2345-2348.	0.9	1
170	Novel magneto-electro-dielectric waveguided metamaterials and its applications to microstrip patch antennas. Applied Physics A: Materials Science and Processing, 2015, 118, 63-73.	1.1	1
171	Design of a novel wideband multi-frequency patch antenna. , 2016, , .		1
172	Polarization-controlled bifunctional antenna based on 2-D anisotropic Gradient Metasurface. , 2016, , .		1
173	Design of anisotropic metasurface and its application for polarization beam splitter. , 2016, , .		1
174	Polarization-controlled bifunctional metasurfaces in transmission and reflection geometries. , 2016, , .		1
175	An X-band bifunctional antenna using anisotropic transparent meta-surface. Applied Physics A: Materials Science and Processing, 2017, 123, 1.	1.1	1
176	Broadband RCS Reduction Based on Parabolic-Phased Diffused Metasurface. , 2018, , .		1
177	A novel uniplanar broadband antenna using coplanar stripline and epsilon negative transmission line. International Journal of RF and Microwave Computer-Aided Engineering, 2018, 28, e21507.	0.8	1
178	Design of high efficiency single-layered transparent metasurface and its application for circularly polarized lens antenna. , 2018, , .		1
179	A Low Profile Broadband Cassegrain Reflectarray. , 2019, , .		1
180	Design of a High-Gain and High Aperture Efficiency Fabry-PÃ©rot Cavity Antenna Using a Novel Partially Reflecting Surface. , 2019, , .		1

#	Article	IF	Citations
181	Design of ultra-wideband antenna using tapered slot for low-end frequency extension. International Journal of RF and Microwave Computer-Aided Engineering, 2019, 29, e21553.	0.8	1
182	High Performance Metasurface Antennas. , 0, , .		1
183	A multistate high gain antenna based on metasurface. International Journal of RF and Microwave Computer-Aided Engineering, 2020, 30, e22330.	0.8	1
184	3D printing conformal metasurface for Fabryâ€Perot resonator antenna application. International Journal of RF and Microwave Computer-Aided Engineering, 2021, 31, e22657.	0.8	1
185	A Novel Method for Circularly Polarized Fabry-Perot Cavity Antenna. , 2020, , .		1
186	Coupling Network Design for Bandwidth Enhancement of Microstrip Antenna Array. , 2021, , .		1
187	An xâ€band coplanar magicâ€T with high power handing. Microwave and Optical Technology Letters, 0, , .	0.9	1
188	Complementary split ring resonators using equilateral triangular Koch fractal curves. , 2009, , .		0
189	A novel ultra-wideband planar slot antenna. , 2010, , .		0
190	Design of a compact wideband planar 180° Hybrid ring using the composite right/left-handed transmission line. , 2011, , .		0
191	Application novel composite right/left-handed transmission lines in the design of bandpass filter. , 2012, , .		0
192	Design of miniaturized triple-band quarter-wave open-circuit stub based on simplified dual-composite right/left-handed transmission lines. , 2013, , .		0
193	Single-layer transmissive phase gradient metasurface with high-efficiency anomalous refraction. , 2016, , .		0
194	A 1.12 GHz TO 2 GHz wide-tuning-range VCO with dynamic coupling structures. Microwave and Optical Technology Letters, 2016, 58, 1525-1529.	0.9	0
195	Design of Ultra-Thin and Compact Metamaterial Monopolar Patch Antenna with Broad Bandwidth. Frequenz, 2017, 72, .	0.6	0
196	A novel uniplanar wideband magneto-electric dipole antenna element. International Journal of Microwave and Wireless Technologies, 2017, 9, 1983-1989.	1.5	0
197	Mutual Coupling Reduction Using I-Shaped Microstrip Line and X-Shaped Slot. , 2018, , .		0
198	Reconfigurable Fabry-PÃ©rot Cavity Antenna Basing on Phase Controllable Metasurfaces. , 2020, , .		0

#	Article	IF	Citations
199	A multi-frequency circularly polarized metasurface antenna array based on quarter-mode substrate integrated waveguide for sub-6 applications. Chinese Physics B, 0, , .	0.7	0
200	Design of a Ku-band Highly-Integrated Dual-Polarized Dipole Antenna Array. , 2021, , .		0
201	Design of a Compact Quarter-mode Substrate-integrated Waveguide Triple-band Antenna for Sub-6 Applications. , 2021, , .		0
202	Decoupling Wideband Antenna Array by Employing Metasurface. , 2021, , .		0