Weiren R Zhu

List of Publications by Citations

178 papers	3,364 citations	31 h-index	49 g-index
237 ext. papers	4,542 ext. citations	4.1 avg, IF	5.95 L-index

#	Paper	IF	Citations
178	Giant plasmene nanosheets, nanoribbons, and origami. *ACS Nano*, **2014**, 8, 11086-93	16.7	112
177	Ultrathin Single Layer Metasurfaces with Ultra-Wideband Operation for Both Transmission and Reflection. *Advanced Materials*, **2020**, 32, e1907308	24	108
176	High Efficiency Ultrathin Transmissive Metasurfaces. *Advanced Optical Materials*, **2019**, 7, 1801628	8.1	99
175	Tunable terahertz left-handed metamaterial based on multi-layer graphene-dielectric composite. *Applied Physics Letters*, **2014**, 104, 051902	3.4	87
174	Configurable metamaterial absorber with pseudo wideband spectrum. *Optics Express*, **2012**, 20, 6616-21	3.3	85
173	Electrically Tunable Metasurface with Independent Frequency and Amplitude Modulations. *ACS Photonics*, **2020**, 7, 265-271	6.3	83
172	Metamaterial absorber with dendritic cells at infrared frequencies. *Journal of the Optical Society of America B: Optical Physics*, **2009**, 26, 2382	1.7	79
171	Photon Spin Hall Effect-Based Ultra-Thin Transmissive Metasurface for Efficient Generation of OAM Waves. *IEEE Transactions on Antennas and Propagation*, **2019**, 67, 4650-4658	4.9	74
170	Coherent perfect absorption in an all-dielectric metasurface. *Applied Physics Letters*, **2016**, 108, 121901	3.4	73
169	sp-sp-Hybridized Atomic Domains Determine Optical Features of Carbon Dots. *ACS Nano*, **2019**, 13, 10737-10744	16.7	72
168	A Compact, Planar, and CPW-Fed Metamaterial-Inspired Dual-Band Antenna. *IEEE Antennas and Wireless Propagation Letters*, **2013**, 12, 305-308	3.8	72
167	Multiple Pass-Band Optical Left-Handed Metamaterials Based on Random Dendritic Cells. *Advanced Functional Materials*, **2008**, 18, 3523-3528	15.6	71
166	Graphene metamaterial for optical reflection modulation. *Applied Physics Letters*, **2013**, 102, 241914	3.4	70
165	Water metamaterial for ultra-broadband and wide-angle absorption. *Optics Express*, **2018**, 26, 5052-5059	3.3	63
164	Experimental demonstration of a magnetically tunable ferrite based metamaterial absorber. *Optics Express*, **2014**, 22, 16408-17	3.3	63
163	Optical metamaterial absorber based on leaf-shaped cells. *Applied Physics A: Materials Science and Processing*, **2011**, 102, 147-151	2.6	60
162	High-Efficiency Transmissive Programmable Metasurface for Multimode OAM Generation. *Advanced Optical Materials*, **2020**, 8, 2000570	8.1	59

161	Multibands of negative refractive indexes in the left-handed metamaterials with multiple dendritic structures. *Applied Physics Letters*, **2008**, 92, 241116	3.4	53
160	A numerical method for designing acoustic cloak with homogeneous metamaterials. *Applied Physics Letters*, **2010**, 97, 131902	3.4	50
159	Highly efficient generation of Bessel beams with polarization insensitive metasurfaces. *Optics Express*, **2019**, 27, 9467-9480	3.3	50
158	Dynamic Scattering Steering with Graphene-Based Coding Metamirror. *Advanced Optical Materials*, **2020**, 8, 2000683	8.1	46
157	Multiband coherent perfect absorption in a water-based metasurface. *Optics Express*, **2017**, 25, 15737-15745	3.3	41
156	Experimental demonstration of an electrically tunable broadband coherent perfect absorber based on a graphene□electrolyte□graphene sandwich structure. *Photonics Research*, **2019**, 7, 868	6	40
155	Wideband visible-light absorption in an ultrathin silicon nanostructure. *Optics Express*, **2017**, 25, 5781-5786	3.3	39
154	Graphene-enabled tunability of optical fishnet metamaterial. *Applied Physics Letters*, **2013**, 102, 121911	3.4	39
153	Truly All-Dielectric Ultrabroadband Metamaterial Absorber: Water-Based and Ground-Free. *IEEE Antennas and Wireless Propagation Letters*, **2019**, 18, 536-540	3.8	38
152	Open Resonator Electric Spaser. *ACS Nano*, **2017**, 11, 12573-12582	16.7	36
151	90□polarization rotator with rotation angle independent of substrate permittivity and incident angles using a composite chiral metamaterial. *Optics Express*, **2013**, 21, 7439-46	3.3	35
150	. *IEEE Access*, **2019**, 7, 15444-15451	3.5	34
149	Double bands of negative refractive index in the left-handed metamaterials with asymmetric defects. *Applied Physics Letters*, **2007**, 90, 011911	3.4	34
148	Highly sensitive detection of malignant glioma cells using metamaterial-inspired THz biosensor based on electromagnetically induced transparency. *Biosensors and Bioelectronics*, **2021**, 185, 113241	11.8	31
147	Low-index-metamaterial for gain enhancement of planar terahertz antenna. *AIP Advances*, **2014**, 4, 037103	1.5	30
146	A Uniplanar Triple-Band Dipole Antenna Using Complementary Capacitively Loaded Loop. *IEEE Antennas and Wireless Propagation Letters*, **2015**, 14, 743-746	3.8	30
145	Light amplification in zero-index metamaterial with gain inserts. *Applied Physics Letters*, **2012**, 101, 031907	3.4	30
144	Design of a Broadband Metasurface Luneburg Lens for Full-Angle Operation. *IEEE Transactions on Antennas and Propagation*, **2019**, 67, 2442-2451	4.9	30

143	Direction Finding by Time-Modulated Linear Array. *IEEE Transactions on Antennas and Propagation*, **2018**, 66, 3642-3652	4.9	30
142	Graphene-Based High-Efficiency Broadband Tunable Linear-to-Circular Polarization Converter for Terahertz Waves. *IEEE Journal of Selected Topics in Quantum Electronics*, **2020**, 26, 1-8	3.8	29
141	Dual-Band Negative Permittivity Metamaterial Based on Cross Circular Loop Resonator With Shorting Stubs. *IEEE Antennas and Wireless Propagation Letters*, **2012**, 11, 803-806	3.8	29
140	Linear transformation optics for plasmonics. *Journal of the Optical Society of America B: Optical Physics*, **2012**, 29, 2659	1.7	29
139	Wide-angle 90□polarization rotator using chiral metamaterial with negative refractive index. *Journal of Electromagnetic Waves and Applications*, **2012**, 26, 1967-1976	1.3	28
138	Dual-Functional Coding Metasurfaces Made of Anisotropic All-Dielectric Resonators. *IEEE Access*, **2019**, 7, 45716-45722	3.5	27
137	Polarization conversion in U-shaped chiral metamaterial with four-fold symmetry breaking. *Journal of Applied Physics*, **2014**, 115, 143101	2.5	27
136	Wide-angle and polarization-independent metamaterial absorber based on snowflake-shaped configuration. *Journal of Electromagnetic Waves and Applications*, **2013**, 27, 552-559	1.3	26
135	A Dual-Wideband Dual-Polarized Aperture-Shared Patch Antenna With High Isolation. *IEEE Antennas and Wireless Propagation Letters*, **2018**, 17, 735-738	3.8	25
134	Metamaterial absorber with random dendritic cells. *EPJ Applied Physics*, **2010**, 50, 21101	1.1	25
133	Dielectric 2-bit coding metasurface for electromagnetic wave manipulation. *Journal of Applied Physics*, **2019**, 125, 203101	2.5	24
132	Wideband giant optical activity and negligible circular dichroism of near-infrared chiral metamaterial based on a complementary twisted configuration. *Journal of Optics (United Kingdom)*, **2013**, 15, 125101	1.7	24
131	Dynamical absorption manipulation in a graphene-based optically transparent and flexible metasurface. *Carbon*, **2021**, 176, 374-382	10.4	23
130	Electrical control of second harmonic generation in a graphene-based plasmonic Fano structure. *Optics Express*, **2015**, 23, 3236-44	3.3	22
129	Double-arrow metasurface for dual-band and dual-mode polarization conversion. *Optics Express*, **2020**, 28, 11797-11805	3.3	22
128	MoS$_2$ Broadband Coherent Perfect Absorber for Terahertz Waves. *IEEE Photonics Journal*, **2016**, 8, 1-7	1.8	22
127	Optical Bloch oscillations of an Airy beam in a photonic lattice with a linear transverse index gradient. *Optics Express*, **2014**, 22, 22763-70	3.3	21
126	Highly Symmetric Planar Metamaterial Absorbers Based on Annular and Circular Patches. *Chinese Physics Letters*, **2010**, 27, 014204	1.8	21

125	Advanced encryption method realized by secret shared phase encoding scheme using a multi-wavelength metasurface. *Nanophotonics*, **2020**, 9, 3687-3696	6.3	21
124	Efficiency Improvement of Time Modulated Array With Reconfigurable Power Divider/Combiner. *IEEE Transactions on Antennas and Propagation*, **2017**, 65, 4027-4037	4.9	19
123	Effective third-order susceptibility of silicon-nanocrystal-doped silica. *Optics Express*, **2012**, 20, 26275-84	3.3	19
122	Analysis and Experiments on Reflection and Refraction of Orbital Angular Momentum Waves. *IEEE Transactions on Antennas and Propagation*, **2019**, 67, 2085-2094	4.9	18
121	Cylindrical vector beam-excited frequency-tunable second harmonic generation in a plasmonic octamer. *Photonics Research*, **2018**, 6, 157	6	18
120	Varactor Loaded Pattern Reconfigurable Patch Antenna With Shorting Pins. *IEEE Transactions on Antennas and Propagation*, **2019**, 67, 6267-6277	4.9	18
119	Maneuvering Propagation of Surface Plasmon Polaritons Using Complementary Medium Inserts. *IEEE Photonics Journal*, **2012**, 4, 741-747	1.8	18
118	Sub-10 nm particle trapping enabled by a plasmonic dark mode. *Optics Letters*, **2018**, 43, 3413-3416	3	17
117	Quasi-static analysis of controllable optical cross-sections of a layered nanoparticle with a sandwiched gain layer. *Journal of Optics (United Kingdom)*, **2014**, 16, 075003	1.7	17
116	Critical route for coherent perfect absorption in a Fano resonance plasmonic system. *Applied Physics Letters*, **2014**, 105, 131103	3.4	17
115	Unidirectional phase singularity in ultrathin metamaterials at exceptional points. *Physical Review A*, **2014**, 89,	2.6	17
114	Bi-layer metasurface based on Huygens' principle for high gain antenna applications. *Optics Express*, **2020**, 28, 15844-15854	3.3	17
113	Terahertz toroidal metasurface biosensor for sensitive distinction of lung cancer cells. *Nanophotonics*, **2021**,	6.3	17
112	Experiments of Orbital Angular Momentum Phase Properties for Long-Distance Transmission. *IEEE Access*, **2019**, 7, 62689-62694	3.5	16
111	Optical Anisotropy of Topologically Distorted Semiconductor Nanocrystals. *Nano Letters*, **2017**, 17, 5514-5520	11.5	16
110	Wideband Dual-Polarized Binary Coding Antenna With Wide Beamwidth and Its Array for Millimeter-Wave Applications. *IEEE Antennas and Wireless Propagation Letters*, **2020**, 19, 636-640	3.8	15
109	Application of zero-index metamaterials for surface plasmon guiding. *Applied Physics Letters*, **2013**, 102, 011910	3.4	15
108	Hiding in the corner. *Optics Express*, **2011**, 19, 20827-32	3.3	15

107	Optoelectronic figure of merit of a metal nanoparticle-quantum dot (MNP-QD) hybrid molecule for assessing its suitability for sensing applications. *Journal of Physics Condensed Matter*, **2018**, 30, 054006	1.8	14
106	Direction Finding of Linear Frequency Modulation Signal With Time-Modulated Array. *IEEE Transactions on Antennas and Propagation*, **2019**, 67, 2841-2846	4.9	14
105	Experimental study of absorption band controllable planar metamaterial absorber using asymmetrical snowflake-shaped configuration. *Journal of Optics (United Kingdom)*, **2013**, 15, 055104	1.7	14
104	Rectangular Grating Waveguide Slot Array Antenna for SATCOM Applications. *IEEE Transactions on Antennas and Propagation*, **2019**, 67, 3869-3880	4.9	13
103	Nanowire-based ultra-wideband absorber for visible and ultraviolet light. *Optics and Laser Technology*, **2018**, 105, 102-105	4.2	13
102	Substrate-Mediated Broadband Tunability in Plasmonic Resonances of Metal Nanoantennas on Finite High-Permittivity Dielectric Substrate. *Plasmonics*, **2015**, 10, 1663-1673	2.4	13
101	Controlling Fano resonance of ring/crescent-ring plasmonic nanostructure with Bessel beam. *Optics Express*, **2014**, 22, 2132-40	3.3	13
100	Fano resonance with high local field enhancement under azimuthally polarized excitation. *Scientific Reports*, **2017**, 7, 1049	4.9	12
99	Wideband Circularly Polarized Antenna With Dual-Mode Operation. *IEEE Antennas and Wireless Propagation Letters*, **2019**, 18, 767-770	3.8	12
98	Polarization-Insensitive Metasurface Lens for Efficient Generation of Convergent OAM Beams. *IEEE Antennas and Wireless Propagation Letters*, **2019**, 18, 2696-2700	3.8	12
97	. *IEEE Antennas and Wireless Propagation Letters*, **2017**, 16, 2574-2577	3.8	12
96	Experimental Realization of High Transmittance THz 90 ^{circ}-Bend Waveguide Using EMXT Structure. *IEEE Photonics Technology Letters*, **2013**, 25, 519-522	2.2	12
95	Chiral nanoparticles in singular light fields. *Scientific Reports*, **2017**, 7, 45925	4.9	11
94	Wavefront manipulation with a dipolar metasurface under coherent control. *Journal of Applied Physics*, **2017**, 122, 013105	2.5	11
93	Unidirectional scattering exploited transverse displacement sensor with tunable measuring range. *Optics Express*, **2019**, 27, 4944-4955	3.3	11
92	Multiuser Communication by Electromagnetic Vortex Based on Time-Modulated Array. *IEEE Antennas and Wireless Propagation Letters*, **2020**, 19, 282-286	3.8	11
91	Metal-Loaded Seawater Antenna With High Radiation Efficiency and Wideband Characteristics. *IEEE Antennas and Wireless Propagation Letters*, **2017**, 16, 1671-1674	3.8	10
90	. *IEEE Antennas and Wireless Propagation Letters*, **2017**, 16, 1127-1130	3.8	10

89	High-Accuracy DOA Estimation Based on Time-Modulated Array With Long and Short Baselines. *IEEE Antennas and Wireless Propagation Letters*, **2018**, 17, 1391-1395	3.8	10
88	Ultrathin Fresnel lens based on plasmene nanosheets. *Materials Today*, **2019**, 23, 9-15	21.8	10
87	Rotman Lens-Fed Fabry-Perot Resonator Antennas for Generating Converged Multi-Mode OAM Beams. *IEEE Access*, **2019**, 7, 105768-105775	3.5	10
86	Graphene based ultra-broadband terahertz metamaterial absorber with dual-band tunability. *Journal of Optics (United Kingdom)*, **2020**, 22, 095104	1.7	10
85	Optically Active Semiconductor Nanosprings for Tunable Chiral Nanophotonics. *ACS Nano*, **2018**, 12, 6203-6209	14.7	10
84	Active modulation of electromagnetically induced transparency analog in graphene-based microwave metamaterial. *Carbon*, **2021**, 183, 850-857	10.4	10
83	. *IEEE Antennas and Wireless Propagation Letters*, **2020**, 19, 383-387	3.8	9
82	Spawning a ring of exceptional points from a metamaterial. *Optics Express*, **2017**, 25, 18265-18273	3.3	9
81	Dual-band unidirectional circular polarizer with opposite handedness filtration using hybridized metamaterial. *Optics Express*, **2014**, 22, 9301-6	3.3	9
80	Electric and magnetic dipole couplings in split ring resonator metamaterials. *Chinese Physics B*, **2011**, 20, 114101	1.2	9
79	. *IEEE Antennas and Wireless Propagation Letters*, **2018**, 17, 283-286	3.8	8
78	Excitons in gyrotropic quantum-dot supercrystals. *Optics Letters*, **2017**, 42, 2423-2426	3	8
77	High-efficiency ultra-thin polarization converter based on planar anisotropic transmissive metasurface. *AEU - International Journal of Electronics and Communications*, **2020**, 118, 153141	2.8	7
76	Ruggedized Planar Monopole Antenna With a Null-Filled Shaped Beam. *IEEE Antennas and Wireless Propagation Letters*, **2018**, 17, 933-936	3.8	7
75	Optical Bloch oscillations and Zener tunneling of Airy beams in ionic-type photonic lattices. *Optics Express*, **2016**, 24, 18332-9	3.3	7
74	Nonlinear coupling states study of electromagnetic force actuated plasmonic nonlinear metamaterials. *Optics Express*, **2018**, 26, 3211-3220	3.3	7
73	A Generalized Approach for Multifrequency Transmission Line Transformer With Frequency-Dependent Complex Source and Load. *IEEE Transactions on Microwave Theory and Techniques*, **2019**, 67, 3603-3616	4.1	7
72	Gold Nanoparticles with Gain-assisted Coating for Ultra-sensitive Biomedical Sensing. *Plasmonics*, **2015**, 10, 881-886	2.4	7

71	Light focusing using epsilon-near-zero metamaterials. *AIP Advances*, **2013**, 3, 112124	1.5	7
70	Left-handed metamaterials based on a leaf-shaped configuration. *Journal of Applied Physics*, **2011**, 109, 093504	2.5	7
69	Adjusting the resonant frequency and loss of dendritic left-handed metamaterials with fractal dimension. *Journal of Applied Physics*, **2009**, 106, 093511	2.5	7
68	Metamaterial absorbers realized in an X-band rectangular waveguide. *Chinese Physics B*, **2012**, 21, 117801	1.2	7
67	. *IEEE Antennas and Wireless Propagation Letters*, **2019**, 18, 255-259	3.8	7
66	Direction Finding of Linear Frequency Modulation Signal in Time Modulated Array With Pulse Compression. *IEEE Transactions on Antennas and Propagation*, **2020**, 68, 509-520	4.9	7
65	Single-layered meta-reflectarray for polarization retention and spin-encrypted phase-encoding. *Optics Express*, **2021**, 29, 3230-3242	3.3	7
64	Tunable triple-band negative permeability metamaterial consisting of single-loop resonators and ferrite. *Journal of Electromagnetic Waves and Applications*, **2013**, 27, 267-275	1.3	6
63	Hiding inside an arbitrarily shaped metal pit using homogeneous metamaterials. *Journal of Electromagnetic Waves and Applications*, **2012**, 26, 2315-2322	1.3	6
62	Manipulating energy flow in variable-gap plasmonic waveguides. *Optics Letters*, **2012**, 37, 5151-3	3	6
61	Selective excitation of a three-dimensionally oriented single plasmonic dipole. *Photonics Research*, **2019**, 7, 693	6	6
60	Experimental observation of the topological structure of exceptional points in an ultrathin hybridized metamaterial. *Physical Review A*, **2017**, 96,	2.6	5
59	The Design and Applications of Tunable Metamaterials. *Procedia Engineering*, **2012**, 29, 802-807		5
58	Tunable band notch filters by manipulating couplings of split ring resonators. *Applied Optics*, **2013**, 52, 7517-22	1.7	5
57	Electrically Reconfigurable Microwave Metasurfaces With Active Lumped Elements: A Mini Review. *Frontiers in Materials*, **2021**, 8,	4	5
56	Three-Dimensional Manipulation of Dual-helical Electromagnetic Wavefronts with a Non-interleaved Metasurface. *IEEE Transactions on Antennas and Propagation*, **2021**, 1-1	4.9	5
55	Switchable metasurface for nearly perfect reflection, transmission, and absorption using PIN diodes. *Optics Express*, **2021**, 29, 29320-29328	3.3	5
54	Circuit Model Analysis of Switchable Perfect Absorption/Reflection in an Active Frequency Selective Surface. *IEEE Access*, **2019**, 7, 55518-55523	3.5	4

53	Instantaneous Gain Optimization in Time Modulated Array Using Reconfigurable Power Divide/Combiner. *IEEE Antennas and Wireless Propagation Letters*, **2018**, 17, 530-533	3.8	4
52	Realizing orbital angular momentum (OAM) beam with small divergence angle by luneberg lens **2017**,		4
51	Characterizing localized surface plasmon resonances using focused radially polarized beam. *Applied Optics*, **2019**, 58, 5812-5816	1.7	4
50	Reversible optical binding force in a plasmonic heterodimer under radially polarized beam illumination. *Optics Express*, **2020**, 28, 3000-3008	3.3	4
49	Optical trapping of single nano-size particles using a plasmonic nanocavity. *Journal of Physics Condensed Matter*, **2020**, 32, 475301	1.8	4
48	Polarization-Assisted Visual Secret Sharing Encryption in Metasurface Hologram. *Advanced Photonics Research*, **2021**, 2, 2100175	1.9	4
47	Graphene-Based Microwave Metasurfaces and Radio-Frequency Devices. *Advanced Photonics Research*, **2021**, 2, 2100142	1.9	4
46	Dynamic millimeter-wave OAM beam generation through programmable metasurface. *Nanophotonics*, **2022**, 11, 1389-1399	6.3	4
45	A wideband and wide-angle scanning circularly polarized array with low profile **2017**,		3
44	Direction finding by time modulated linear array **2017**,		3
43	A circular truncated cone slot antenna with circular polarized conical beam **2017**,		3
42	**2017**,		3
41	ULTRA-COMPACT METAMATERIAL ABSORBER WITH LOW-PERMITTIVITY DIELECTRIC SUBSTRATE. *Progress in Electromagnetics Research M*, **2015**, 41, 25-32	0.6	3
40	Engineering optical nonlinearities in silicon□anocrystal waveguides. *Journal of the Optical Society of America B: Optical Physics*, **2013**, 30, 3145	1.7	3
39	Highly efficient metamirror with circular dichroism and wavefront engineering **2020**,		3
38	Shaping Electromagnetic Fields with Irregular Metasurface. *Advanced Materials Technologies*,2200035	6.8	3
37	Effect of Extinction on Separation of Nanoparticle Enantiomers With Chiral Optical Forces. *IEEE Photonics Journal*, **2017**, 9, 1-6	1.8	2
36	A t-shaped feed structure to enhance the performance of a polarization diversity antenna **2017**,		2

35	**2017**,		2
34	Control the Raman response of individual carbon nanotubes by orbital angular momentum of light. *Optics Letters*, **2017**, 42, 2491-2494	3	2
33	Electromagnetic Metamaterial Absorbers: From Narrowband to Broadband **2019**,		2
32	A High-Gain Broadband Omnidirectional Antenna Applying Spoof Surface Plasmon Polaritons with High Bearing Strength **2019**,		2
31	Spoof Surface Plasmon Polaritons Pattern Reconfigurable Antenna for Wide-Angle Coverage **2018**,		2
30	Polarization-insensitive metasurfaces for generating converging vortex beams carrying orbital angular momentum **2018**,		2
29	High Efficiency Electromagnetic Energy Harvesting with Metasurface **2018**,		2
28	Resonant mode coupling in hybrid all-dielectric metamaterial. *Materials Research Express*, **2019**, 6, 125801	1.7	1
27	. *IEEE Antennas and Wireless Propagation Letters*, **2017**, 16, 2915-2918	3.8	1
26	A single-fed circularly polarized using water substrate patch antenna with small size low-profile and broadband **2017**,		1
25	**2017**,		1
24	Synthesizing orbital angular momentum beam with small divergence angle **2017**,		1
23	Ka-Band Slot-Microstrip-Covered and Waveguide-Cavity-Backed Monopulse Antenna Array. *International Journal of Antennas and Propagation*, **2014**, 2014, 1-5	1.2	1
22	Response to Comment on Graphene metamaterial for optical reflection modulation [Appl. Phys. Lett. 104, 256101 (2014)]. *Applied Physics Letters*, **2014**, 104, 256102	3.4	1
21	Spaser powered photothermal cancer therapy using graphene and carbon nanotubes **2014**,		1
20	Enhanced second-harmonic generation assisted by breathing mode in a multi-resonant plasmonic trimer. *Optics Letters*, **2019**, 44, 3813-3816	3	1
19	An approach to achieve directional low-profile antenna of quintuple stable pattern band by utilising dipole with compound concave corrugated reflector. *IET Microwaves, Antennas and Propagation*, **2021**, 15, 629-643	1.6	1
18	Imaging Radar Based on Time Modulated Array with Pulse Compression **2019**,		1

List of Publications

17	Multi-user Communication by Electromagnetic Vortex Based on Time Modulated Array **2019**,		1
16	A Compact Reconfigurable coaxial slot antenna **2018**,		1
15	Novel Beam Scanning Antenna System Fed by Reconfigurable Beamforming Network **2018**,		1
14	Single-Layer Noninterleaved Metasurface for Arbitrary Vector Beam Conversion in Triple Bands. *ACS Applied Electronic Materials*, **2022**, 4, 443-451	4	1
13	Grating ridged waveguide V-shaped slot array antenna for SATCOM applications. *Electronics Letters* , **2019**, 55, 170-172	1.1	0
12	Highly transmissive bilayer Huygens□metasurface with over 315□phase coverage. *AEU - International Journal of Electronics and Communications*, **2020**, 124, 153330	2.8	0
11	Filter-Assisted Metasurface for Full-Space Wavefront Manipulation and Energy Allocation. *ACS Applied Electronic Materials*, **2021**, 3, 4465-4471	4	0
10	Radial breathing modes coupling in plasmonic molecules. *Optics Express*, **2019**, 27, 5116-5124	3.3	0
9	A Novel Radar Based on Two-Element Time-Modulated Array. *IEEE Geoscience and Remote Sensing Letters*, **2019**, 16, 524-528	4.1	0
8	Reconfigurable Metasurface for Nearly Full-Range and Continuous Modulation of Reflection, Transmission, and Absorption. *ACS Applied Electronic Materials*, **2022**, 4, 1225-1231	4	0
7	Multi-Channel Metasurface for Versatile Wavefront and Polarization Manipulation. *Advanced Materials Technologies*,2200524	6.8	0
6	A NOVEL SINGLE PIN DIODE RECONFIGURABLE IMPEDANCE MATCHING NETWORK WITH A SIMPLIFIED SOLUTION METHOD. *Progress in Electromagnetics Research M*, **2019**, 78, 135-143	0.6	
5	Experimental realization of ultra-compact high-efficiency metasurface Luneburg lenses for microwave applications. *Journal of Physics: Conference Series*, **2020**, 1461, 012200	0.3	
4	Recent Advances in Theory and Applications of Electromagnetic Metamaterials. *International Journal of Antennas and Propagation*, **2015**, 2015, 1-2	1.2	
3	Hybrid phase-locked loop with fast locking time and low spur in a 0.18-□m CMOS process. *Chinese Physics B*, **2014**, 23, 078401	1.2	
2	Tunable Dual-Band Negative Refractive Index Metamaterial Consisting of Ferrites and SRR-Wires. *Procedia Engineering*, **2012**, 29, 797-801		
1	Corrections to "Multiuser Communication by Electromagnetic Vortex Based on Time-Modulated Array" *IEEE Antennas and Wireless Propagation Letters*, **2020**, 19, 1047-1047	3.8	