

Weiren R Zhu

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Reconfigurable Metasurface for Nearly Full-Range and Continuous Modulation of Reflection, Transmission, and Absorption. <i>ACS Applied Electronic Materials</i> , 2022 , 4, 1225-1231	4	0
177	Dynamic millimeter-wave OAM beam generation through programmable metasurface. <i>Nanophotonics</i> , 2022 , 11, 1389-1399	6.3	4
176	Single-Layer Noninterleaved Metasurface for Arbitrary Vector Beam Conversion in Triple Bands. <i>ACS Applied Electronic Materials</i> , 2022 , 4, 443-451	4	1
175	Terahertz toroidal metasurface biosensor for sensitive distinction of lung cancer cells. <i>Nanophotonics</i> , 2021 ,	6.3	17
174	Filter-Assisted Metasurface for Full-Space Wavefront Manipulation and Energy Allocation. <i>ACS Applied Electronic Materials</i> , 2021 , 3, 4465-4471	4	0
173	An approach to achieve directional low-profile antenna of quintuple stable pattern band by utilising dipole with compound concave corrugated reflector. <i>IET Microwaves, Antennas and Propagation</i> , 2021 , 15, 629-643	1.6	1
172	Dynamical absorption manipulation in a graphene-based optically transparent and flexible metasurface. <i>Carbon</i> , 2021 , 176, 374-382	10.4	23
171	Electrically Reconfigurable Microwave Metasurfaces With Active Lumped Elements: A Mini Review. <i>Frontiers in Materials</i> , 2021 , 8,	4	5
170	Single-layered meta-reflectarray for polarization retention and spin-encrypted phase-encoding. <i>Optics Express</i> , 2021 , 29, 3230-3242	3.3	7
169	Three-Dimensional Manipulation of Dual-helical Electromagnetic Wavefronts with a Non-interleaved Metasurface. <i>IEEE Transactions on Antennas and Propagation</i> , 2021 , 1-1	4.9	5
168	Switchable metasurface for nearly perfect reflection, transmission, and absorption using PIN diodes. <i>Optics Express</i> , 2021 , 29, 29320-29328	3.3	5
167	Polarization-Assisted Visual Secret Sharing Encryption in Metasurface Hologram. <i>Advanced Photonics Research</i> , 2021 , 2, 2100175	1.9	4
166	Highly sensitive detection of malignant glioma cells using metamaterial-inspired THz biosensor based on electromagnetically induced transparency. <i>Biosensors and Bioelectronics</i> , 2021 , 185, 113241	11.8	31
165	Graphene-Based Microwave Metasurfaces and Radio-Frequency Devices. <i>Advanced Photonics Research</i> , 2021 , 2, 2100142	1.9	4
164	Active modulation of electromagnetically induced transparency analog in graphene-based microwave metamaterial. <i>Carbon</i> , 2021 , 183, 850-857	10.4	10
163	Experimental realization of ultra-compact high-efficiency metasurface Luneburg lenses for microwave applications. <i>Journal of Physics: Conference Series</i> , 2020 , 1461, 012200	0.3	
162	High-Efficiency Transmissive Programmable Metasurface for Multimode OAM Generation. <i>Advanced Optical Materials</i> , 2020 , 8, 2000570	8.1	59

161	Highly transmissive bilayer Huygens' metasurface with over 315° phase coverage. <i>AEU - International Journal of Electronics and Communications</i> , 2020 , 124, 153330	2.8	0
160	Ultrathin Single Layer Metasurfaces with Ultra-Wideband Operation for Both Transmission and Reflection. <i>Advanced Materials</i> , 2020 , 32, e1907308	2.4	108
159	High-efficiency ultra-thin polarization converter based on planar anisotropic transmissive metasurface. <i>AEU - International Journal of Electronics and Communications</i> , 2020 , 118, 153141	2.8	7
158	Wideband Dual-Polarized Binary Coding Antenna With Wide Beamwidth and Its Array for Millimeter-Wave Applications. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2020 , 19, 636-640	3.8	15
157	. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2020 , 19, 383-387	3.8	9
156	Graphene-Based High-Efficiency Broadband Tunable Linear-to-Circular Polarization Converter for Terahertz Waves. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2020 , 26, 1-8	3.8	29
155	Highly efficient metamirror with circular dichroism and wavefront engineering 2020 ,		3
154	Reversible optical binding force in a plasmonic heterodimer under radially polarized beam illumination. <i>Optics Express</i> , 2020 , 28, 3000-3008	3.3	4
153	Double-arrow metasurface for dual-band and dual-mode polarization conversion. <i>Optics Express</i> , 2020 , 28, 11797-11805	3.3	22
152	Bi-layer metasurface based on Huygens' principle for high gain antenna applications. <i>Optics Express</i> , 2020 , 28, 15844-15854	3.3	17
151	Advanced encryption method realized by secret shared phase encoding scheme using a multi-wavelength metasurface. <i>Nanophotonics</i> , 2020 , 9, 3687-3696	6.3	21
150	Corrections to Multiuser Communication by Electromagnetic Vortex Based on Time-Modulated Array. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2020 , 19, 1047-1047	3.8	
149	Optical trapping of single nano-size particles using a plasmonic nanocavity. <i>Journal of Physics Condensed Matter</i> , 2020 , 32, 475301	1.8	4
148	Graphene based ultra-broadband terahertz metamaterial absorber with dual-band tunability. <i>Journal of Optics (United Kingdom)</i> , 2020 , 22, 095104	1.7	10
147	Electrically Tunable Metasurface with Independent Frequency and Amplitude Modulations. <i>ACS Photonics</i> , 2020 , 7, 265-271	6.3	83
146	Multiuser Communication by Electromagnetic Vortex Based on Time-Modulated Array. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2020 , 19, 282-286	3.8	11
145	Dynamic Scattering Steering with Graphene-Based Coding Metamirror. <i>Advanced Optical Materials</i> , 2020 , 8, 2000683	8.1	46
144	Direction Finding of Linear Frequency Modulation Signal in Time Modulated Array With Pulse Compression. <i>IEEE Transactions on Antennas and Propagation</i> , 2020 , 68, 509-520	4.9	7

143	. <i>IEEE Access</i> , 2019 , 7, 15444-15451	3.5	34
142	Analysis and Experiments on Reflection and Refraction of Orbital Angular Momentum Waves. <i>IEEE Transactions on Antennas and Propagation</i> , 2019 , 67, 2085-2094	4.9	18
141	Truly All-Dielectric Ultrabroadband Metamaterial Absorber: Water-Based and Ground-Free. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2019 , 18, 536-540	3.8	38
140	Dielectric 2-bit coding metasurface for electromagnetic wave manipulation. <i>Journal of Applied Physics</i> , 2019 , 125, 203101	2.5	24
139	Experiments of Orbital Angular Momentum Phase Properties for Long-Distance Transmission. <i>IEEE Access</i> , 2019 , 7, 62689-62694	3.5	16
138	Circuit Model Analysis of Switchable Perfect Absorption/Reflection in an Active Frequency Selective Surface. <i>IEEE Access</i> , 2019 , 7, 55518-55523	3.5	4
137	Rectangular Grating Waveguide Slot Array Antenna for SATCOM Applications. <i>IEEE Transactions on Antennas and Propagation</i> , 2019 , 67, 3869-3880	4.9	13
136	Photon Spin Hall Effect-Based Ultra-Thin Transmissive Metasurface for Efficient Generation of OAM Waves. <i>IEEE Transactions on Antennas and Propagation</i> , 2019 , 67, 4650-4658	4.9	74
135	Wideband Circularly Polarized Antenna With Dual-Mode Operation. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2019 , 18, 767-770	3.8	12
134	A NOVEL SINGLE PIN DIODE RECONFIGURABLE IMPEDANCE MATCHING NETWORK WITH A SIMPLIFIED SOLUTION METHOD. <i>Progress in Electromagnetics Research M</i> , 2019 , 78, 135-143	0.6	
133	High Efficiency Ultrathin Transmissive Metasurfaces. <i>Advanced Optical Materials</i> , 2019 , 7, 1801628	8.1	99
132	Dual-Functional Coding Metasurfaces Made of Anisotropic All-Dielectric Resonators. <i>IEEE Access</i> , 2019 , 7, 45716-45722	3.5	27
131	Grating ridged waveguide V-shaped slot array antenna for SATCOM applications. <i>Electronics Letters</i> , 2019 , 55, 170-172	1.1	0
130	Direction Finding of Linear Frequency Modulation Signal With Time-Modulated Array. <i>IEEE Transactions on Antennas and Propagation</i> , 2019 , 67, 2841-2846	4.9	14
129	Ultrathin Fresnel lens based on plasmene nanosheets. <i>Materials Today</i> , 2019 , 23, 9-15	21.8	10
128	A Generalized Approach for Multifrequency Transmission Line Transformer With Frequency-Dependent Complex Source and Load. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2019 , 67, 3603-3616	4.1	7
127	sp-sp-Hybridized Atomic Domains Determine Optical Features of Carbon Dots. <i>ACS Nano</i> , 2019 , 13, 10737-10744	7.1	44
126	Electromagnetic Metamaterial Absorbers: From Narrowband to Broadband 2019 ,		2

125	Varactor Loaded Pattern Reconfigurable Patch Antenna With Shorting Pins. <i>IEEE Transactions on Antennas and Propagation</i> , 2019 , 67, 6267-6277	4.9	18
124	Rotman Lens-Fed Fabry-Perot Resonator Antennas for Generating Converged Multi-Mode OAM Beams. <i>IEEE Access</i> , 2019 , 7, 105768-105775	3.5	10
123	Resonant mode coupling in hybrid all-dielectric metamaterial. <i>Materials Research Express</i> , 2019 , 6, 125801-7	1.7	1
122	Polarization-Insensitive Metasurface Lens for Efficient Generation of Convergent OAM Beams. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2019 , 18, 2696-2700	3.8	12
121	Characterizing localized surface plasmon resonances using focused radially polarized beam. <i>Applied Optics</i> , 2019 , 58, 5812-5816	1.7	4
120	Unidirectional scattering exploited transverse displacement sensor with tunable measuring range. <i>Optics Express</i> , 2019 , 27, 4944-4955	3.3	11
119	Highly efficient generation of Bessel beams with polarization insensitive metasurfaces. <i>Optics Express</i> , 2019 , 27, 9467-9480	3.3	50
118	Selective excitation of a three-dimensionally oriented single plasmonic dipole. <i>Photonics Research</i> , 2019 , 7, 693	6	6
117	Experimental demonstration of an electrically tunable broadband coherent perfect absorber based on a graphene-electrolyte-graphene sandwich structure. <i>Photonics Research</i> , 2019 , 7, 868	6	40
116	Radial breathing modes coupling in plasmonic molecules. <i>Optics Express</i> , 2019 , 27, 5116-5124	3.3	0
115	Enhanced second-harmonic generation assisted by breathing mode in a multi-resonant plasmonic trimer. <i>Optics Letters</i> , 2019 , 44, 3813-3816	3	1
114	Imaging Radar Based on Time Modulated Array with Pulse Compression 2019 ,		1
113	A High-Gain Broadband Omnidirectional Antenna Applying Spoof Surface Plasmon Polaritons with High Bearing Strength 2019 ,		2
112	Multi-user Communication by Electromagnetic Vortex Based on Time Modulated Array 2019 ,		1
111	. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2019 , 18, 255-259	3.8	7
110	Design of a Broadband Metasurface Luneburg Lens for Full-Angle Operation. <i>IEEE Transactions on Antennas and Propagation</i> , 2019 , 67, 2442-2451	4.9	30
109	A Novel Radar Based on Two-Element Time-Modulated Array. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2019 , 16, 524-528	4.1	0
108	Nanowire-based ultra-wideband absorber for visible and ultraviolet light. <i>Optics and Laser Technology</i> , 2018 , 105, 102-105	4.2	13

107	Instantaneous Gain Optimization in Time Modulated Array Using Reconfigurable Power Divide/Combiner. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2018 , 17, 530-533	3.8	4
106	. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2018 , 17, 283-286	3.8	8
105	Optoelectronic figure of merit of a metal nanoparticle-quantum dot (MNP-QD) hybrid molecule for assessing its suitability for sensing applications. <i>Journal of Physics Condensed Matter</i> , 2018 , 30, 054006	1.8	14
104	Ruggedized Planar Monopole Antenna With a Null-Filled Shaped Beam. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2018 , 17, 933-936	3.8	7
103	A Dual-Wideband Dual-Polarized Aperture-Shared Patch Antenna With High Isolation. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2018 , 17, 735-738	3.8	25
102	High-Accuracy DOA Estimation Based on Time-Modulated Array With Long and Short Baselines. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2018 , 17, 1391-1395	3.8	10
101	Water metamaterial for ultra-broadband and wide-angle absorption. <i>Optics Express</i> , 2018 , 26, 5052-5059	3.3	63
100	Nonlinear coupling states study of electromagnetic force actuated plasmonic nonlinear metamaterials. <i>Optics Express</i> , 2018 , 26, 3211-3220	3.3	7
99	Sub-10 nm particle trapping enabled by a plasmonic dark mode. <i>Optics Letters</i> , 2018 , 43, 3413-3416	3	17
98	Cylindrical vector beam-excited frequency-tunable second harmonic generation in a plasmonic octamer. <i>Photonics Research</i> , 2018 , 6, 157	6	18
97	Spoof Surface Plasmon Polaritons Pattern Reconfigurable Antenna for Wide-Angle Coverage 2018 ,		2
96	A Compact Reconfigurable coaxial slot antenna 2018 ,		1
95	Novel Beam Scanning Antenna System Fed by Reconfigurable Beamforming Network 2018 ,		1
94	Polarization-insensitive metasurfaces for generating converging vortex beams carrying orbital angular momentum 2018 ,		2
93	High Efficiency Electromagnetic Energy Harvesting with Metasurface 2018 ,		2
92	Optically Active Semiconductor Nanosprings for Tunable Chiral Nanophotonics. <i>ACS Nano</i> , 2018 , 12, 6203-6209	3.6	10
91	Direction Finding by Time-Modulated Linear Array. <i>IEEE Transactions on Antennas and Propagation</i> , 2018 , 66, 3642-3652	4.9	30
90	Metal-Loaded Seawater Antenna With High Radiation Efficiency and Wideband Characteristics. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2017 , 16, 1671-1674	3.8	10

89	Fano resonance with high local field enhancement under azimuthally polarized excitation. <i>Scientific Reports</i> , 2017 , 7, 1049	4.9	12
88	. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2017 , 16, 1127-1130	3.8	10
87	Effect of Extinction on Separation of Nanoparticle Enantiomers With Chiral Optical Forces. <i>IEEE Photonics Journal</i> , 2017 , 9, 1-6	1.8	2
86	Chiral nanoparticles in singular light fields. <i>Scientific Reports</i> , 2017 , 7, 45925	4.9	11
85	A t-shaped feed structure to enhance the performance of a polarization diversity antenna 2017 ,		2
84	2017 ,		2
83	Open Resonator Electric Spaser. <i>ACS Nano</i> , 2017 , 11, 12573-12582	16.7	36
82	A wideband and wide-angle scanning circularly polarized array with low profile 2017 ,		3
81	Control the Raman response of individual carbon nanotubes by orbital angular momentum of light. <i>Optics Letters</i> , 2017 , 42, 2491-2494	3	2
80	. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2017 , 16, 2915-2918	3.8	1
79	Optical Anisotropy of Topologically Distorted Semiconductor Nanocrystals. <i>Nano Letters</i> , 2017 , 17, 5514-5520	15.2	16
78	. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2017 , 16, 2574-2577	3.8	12
77	Efficiency Improvement of Time Modulated Array With Reconfigurable Power Divider/Combiner. <i>IEEE Transactions on Antennas and Propagation</i> , 2017 , 65, 4027-4037	4.9	19
76	Wavefront manipulation with a dipolar metasurface under coherent control. <i>Journal of Applied Physics</i> , 2017 , 122, 013105	2.5	11
75	Multiband coherent perfect absorption in a water-based metasurface. <i>Optics Express</i> , 2017 , 25, 15737-15745	3.5	41
74	Experimental observation of the topological structure of exceptional points in an ultrathin hybridized metamaterial. <i>Physical Review A</i> , 2017 , 96,	2.6	5
73	A single-fed circularly polarized using water substrate patch antenna with small size low-profile and broadband 2017 ,		1
72	Direction finding by time modulated linear array 2017 ,		3

71	Realizing orbital angular momentum (OAM) beam with small divergence angle by luneberg lens 2017,		4
70	A circular truncated cone slot antenna with circular polarized conical beam 2017,		3
69	2017,		1
68	2017,		3
67	Synthesizing orbital angular momentum beam with small divergence angle 2017,		1
66	Spawning a ring of exceptional points from a metamaterial. <i>Optics Express</i> , 2017 , 25, 18265-18273	3.3	9
65	Wideband visible-light absorption in an ultrathin silicon nanostructure. <i>Optics Express</i> , 2017 , 25, 5781-5786	3.6	39
64	Excitons in gyrotropic quantum-dot supercrystals. <i>Optics Letters</i> , 2017 , 42, 2423-2426	3	8
63	Optical Bloch oscillations and Zener tunneling of Airy beams in ionic-type photonic lattices. <i>Optics Express</i> , 2016 , 24, 18332-9	3.3	7
62	MoS ₂ Broadband Coherent Perfect Absorber for Terahertz Waves. <i>IEEE Photonics Journal</i> , 2016 , 8, 1-7	1.8	22
61	Coherent perfect absorption in an all-dielectric metasurface. <i>Applied Physics Letters</i> , 2016 , 108, 121901	3.4	73
60	Electrical control of second harmonic generation in a graphene-based plasmonic Fano structure. <i>Optics Express</i> , 2015 , 23, 3236-44	3.3	22
59	Recent Advances in Theory and Applications of Electromagnetic Metamaterials. <i>International Journal of Antennas and Propagation</i> , 2015 , 2015, 1-2	1.2	
58	ULTRA-COMPACT METAMATERIAL ABSORBER WITH LOW-PERMITTIVITY DIELECTRIC SUBSTRATE. <i>Progress in Electromagnetics Research M</i> , 2015 , 41, 25-32	0.6	3
57	Substrate-Mediated Broadband Tunability in Plasmonic Resonances of Metal Nanoantennas on Finite High-Permittivity Dielectric Substrate. <i>Plasmonics</i> , 2015 , 10, 1663-1673	2.4	13
56	Gold Nanoparticles with Gain-assisted Coating for Ultra-sensitive Biomedical Sensing. <i>Plasmonics</i> , 2015 , 10, 881-886	2.4	7
55	A Uniplanar Triple-Band Dipole Antenna Using Complementary Capacitively Loaded Loop. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2015 , 14, 743-746	3.8	30
54	Tunable terahertz left-handed metamaterial based on multi-layer graphene-dielectric composite. <i>Applied Physics Letters</i> , 2014 , 104, 051902	3.4	87

53	Polarization conversion in U-shaped chiral metamaterial with four-fold symmetry breaking. <i>Journal of Applied Physics</i> , 2014 , 115, 143101	2.5	27
52	Low-index-metamaterial for gain enhancement of planar terahertz antenna. <i>AIP Advances</i> , 2014 , 4, 037103	3.0	30
51	Giant plasmene nanosheets, nanoribbons, and origami. <i>ACS Nano</i> , 2014 , 8, 11086-93	16.7	112
50	Quasi-static analysis of controllable optical cross-sections of a layered nanoparticle with a sandwiched gain layer. <i>Journal of Optics (United Kingdom)</i> , 2014 , 16, 075003	1.7	17
49	Critical route for coherent perfect absorption in a Fano resonance plasmonic system. <i>Applied Physics Letters</i> , 2014 , 105, 131103	3.4	17
48	Ka-Band Slot-Microstrip-Covered and Waveguide-Cavity-Backed Monopulse Antenna Array. <i>International Journal of Antennas and Propagation</i> , 2014 , 2014, 1-5	1.2	1
47	Hybrid phase-locked loop with fast locking time and low spur in a 0.18- μm CMOS process. <i>Chinese Physics B</i> , 2014 , 23, 078401	1.2	
46	Controlling Fano resonance of ring/crescent-ring plasmonic nanostructure with Bessel beam. <i>Optics Express</i> , 2014 , 22, 2132-40	3.3	13
45	Dual-band unidirectional circular polarizer with opposite handedness filtration using hybridized metamaterial. <i>Optics Express</i> , 2014 , 22, 9301-6	3.3	9
44	Experimental demonstration of a magnetically tunable ferrite based metamaterial absorber. <i>Optics Express</i> , 2014 , 22, 16408-17	3.3	63
43	Optical Bloch oscillations of an Airy beam in a photonic lattice with a linear transverse index gradient. <i>Optics Express</i> , 2014 , 22, 22763-70	3.3	21
42	Response to [Comment on Graphene metamaterial for optical reflection modulation [Appl. Phys. Lett. 104, 256101 (2014)]. <i>Applied Physics Letters</i> , 2014 , 104, 256102	3.4	1
41	Unidirectional phase singularity in ultrathin metamaterials at exceptional points. <i>Physical Review A</i> , 2014 , 89,	2.6	17
40	Spaser powered photothermal cancer therapy using graphene and carbon nanotubes 2014 ,		1
39	Tunable triple-band negative permeability metamaterial consisting of single-loop resonators and ferrite. <i>Journal of Electromagnetic Waves and Applications</i> , 2013 , 27, 267-275	1.3	6
38	Wideband giant optical activity and negligible circular dichroism of near-infrared chiral metamaterial based on a complementary twisted configuration. <i>Journal of Optics (United Kingdom)</i> , 2013 , 15, 125101	1.7	24
37	Application of zero-index metamaterials for surface plasmon guiding. <i>Applied Physics Letters</i> , 2013 , 102, 011910	3.4	15
36	Wide-angle and polarization-independent metamaterial absorber based on snowflake-shaped configuration. <i>Journal of Electromagnetic Waves and Applications</i> , 2013 , 27, 552-559	1.3	26

35	A Compact, Planar, and CPW-Fed Metamaterial-Inspired Dual-Band Antenna. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2013 , 12, 305-308	3.8	72
34	Graphene-enabled tunability of optical fishnet metamaterial. <i>Applied Physics Letters</i> , 2013 , 102, 121911	3.4	39
33	Graphene metamaterial for optical reflection modulation. <i>Applied Physics Letters</i> , 2013 , 102, 241914	3.4	70
32	Experimental Realization of High Transmittance THz 90° Bend Waveguide Using EMXT Structure. <i>IEEE Photonics Technology Letters</i> , 2013 , 25, 519-522	2.2	12
31	Tunable band notch filters by manipulating couplings of split ring resonators. <i>Applied Optics</i> , 2013 , 52, 7517-22	1.7	5
30	Engineering optical nonlinearities in silicon nanocrystal waveguides. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2013 , 30, 3145	1.7	3
29	90° polarization rotator with rotation angle independent of substrate permittivity and incident angles using a composite chiral metamaterial. <i>Optics Express</i> , 2013 , 21, 7439-46	3.3	35
28	Light focusing using epsilon-near-zero metamaterials. <i>AIP Advances</i> , 2013 , 3, 112124	1.5	7
27	Experimental study of absorption band controllable planar metamaterial absorber using asymmetrical snowflake-shaped configuration. <i>Journal of Optics (United Kingdom)</i> , 2013 , 15, 055104	1.7	14
26	Maneuvering Propagation of Surface Plasmon Polaritons Using Complementary Medium Inserts. <i>IEEE Photonics Journal</i> , 2012 , 4, 741-747	1.8	18
25	Hiding inside an arbitrarily shaped metal pit using homogeneous metamaterials. <i>Journal of Electromagnetic Waves and Applications</i> , 2012 , 26, 2315-2322	1.3	6
24	Configurable metamaterial absorber with pseudo wideband spectrum. <i>Optics Express</i> , 2012 , 20, 6616-21	3.3	85
23	Wide-angle 90° polarization rotator using chiral metamaterial with negative refractive index. <i>Journal of Electromagnetic Waves and Applications</i> , 2012 , 26, 1967-1976	1.3	28
22	Dual-Band Negative Permittivity Metamaterial Based on Cross Circular Loop Resonator With Shorting Stubs. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2012 , 11, 803-806	3.8	29
21	Tunable Dual-Band Negative Refractive Index Metamaterial Consisting of Ferrites and SRR-Wires. <i>Procedia Engineering</i> , 2012 , 29, 797-801		
20	The Design and Applications of Tunable Metamaterials. <i>Procedia Engineering</i> , 2012 , 29, 802-807		5
19	Light amplification in zero-index metamaterial with gain inserts. <i>Applied Physics Letters</i> , 2012 , 101, 031907	3.4	30
18	Effective third-order susceptibility of silicon-nanocrystal-doped silica. <i>Optics Express</i> , 2012 , 20, 26275-84	3.3	19

17	Linear transformation optics for plasmonics. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2012 , 29, 2659	1.7	29
16	Manipulating energy flow in variable-gap plasmonic waveguides. <i>Optics Letters</i> , 2012 , 37, 5151-3	3	6
15	Metamaterial absorbers realized in an X-band rectangular waveguide. <i>Chinese Physics B</i> , 2012 , 21, 117801.2		7
14	Electric and magnetic dipole couplings in split ring resonator metamaterials. <i>Chinese Physics B</i> , 2011 , 20, 114101	1.2	9
13	Left-handed metamaterials based on a leaf-shaped configuration. <i>Journal of Applied Physics</i> , 2011 , 109, 093504	2.5	7
12	Hiding in the corner. <i>Optics Express</i> , 2011 , 19, 20827-32	3.3	15
11	Optical metamaterial absorber based on leaf-shaped cells. <i>Applied Physics A: Materials Science and Processing</i> , 2011 , 102, 147-151	2.6	60
10	Highly Symmetric Planar Metamaterial Absorbers Based on Annular and Circular Patches. <i>Chinese Physics Letters</i> , 2010 , 27, 014204	1.8	21
9	A numerical method for designing acoustic cloak with homogeneous metamaterials. <i>Applied Physics Letters</i> , 2010 , 97, 131902	3.4	50
8	Metamaterial absorber with random dendritic cells. <i>EPJ Applied Physics</i> , 2010 , 50, 21101	1.1	25
7	Adjusting the resonant frequency and loss of dendritic left-handed metamaterials with fractal dimension. <i>Journal of Applied Physics</i> , 2009 , 106, 093511	2.5	7
6	Metamaterial absorber with dendritic cells at infrared frequencies. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2009 , 26, 2382	1.7	79
5	Multibands of negative refractive indexes in the left-handed metamaterials with multiple dendritic structures. <i>Applied Physics Letters</i> , 2008 , 92, 241116	3.4	53
4	Multiple Pass-Band Optical Left-Handed Metamaterials Based on Random Dendritic Cells. <i>Advanced Functional Materials</i> , 2008 , 18, 3523-3528	15.6	71
3	Double bands of negative refractive index in the left-handed metamaterials with asymmetric defects. <i>Applied Physics Letters</i> , 2007 , 90, 011911	3.4	34
2	Shaping Electromagnetic Fields with Irregular Metasurface. <i>Advanced Materials Technologies</i> , 2200035	6.8	3
1	Multi-Channel Metasurface for Versatile Wavefront and Polarization Manipulation. <i>Advanced Materials Technologies</i> , 2200524	6.8	0