

# Shengli Jia

## List of Publications by Year in Descending Order

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**Version:** 2024-04-24

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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.

204  
papers

14,430  
citations

66  
h-index

116  
g-index

208  
ext. papers

18,628  
ext. citations

6.8  
avg. IF

7.25  
L-index

#	Paper	IF	Citations
204	Tunable triple-band millimeter-wave absorbing metasurface based on nematic liquid crystal. <i>AIP Advances</i> , <b>2022</b> , 12, 015127	1.5	0
203	Simultaneous In-situ Direction Finding and Field Manipulation Based on Space-Time-Coding Digital Metasurface. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2022</b> , 1-1	4.9	4
202	Amplification and Manipulation of Nonlinear Electromagnetic Waves and Enhanced Nonreciprocity using Transmissive Space-Time-Coding Metasurface.. <i>Advanced Science</i> , <b>2022</b> , e2105960	13.6	5
201	A metasurface-based light-to-microwave transmitter for hybrid wireless communications.. <i>Light: Science and Applications</i> , <b>2022</b> , 11, 126	16.7	9
200	A metamaterial sensor for detecting the location of a sub-wavelength object. <i>Applied Physics Letters</i> , <b>2022</b> , 120, 181703	3.4	
199	Generation of Microwave Vortex Beams Using Metasurfaces <b>2021</b> , 97-119		
198	A Compact Component for Multi-Band Rejection and Frequency Coding in the Plasmonic Circuit at Microwave Frequencies. <i>Electronics (Switzerland)</i> , <b>2021</b> , 10, 4	2.6	2
197	Power modulation of vortex beams using phase/amplitude adjustable transmissive coding metasurfaces. <i>Journal Physics D: Applied Physics</i> , <b>2021</b> , 54, 035305	3	6
196	Orbital-Angular-Momentum-Encrypted Holography Based on Coding Information Metasurface. <i>Advanced Optical Materials</i> , <b>2021</b> , 9, 2002155	8.1	22
195	Analog signal processing through space-time digital metasurfaces. <i>Nanophotonics</i> , <b>2021</b> , 10, 1753-1764	6.3	12
194	A wireless communication scheme based on space- and frequency-division multiplexing using digital metasurfaces. <i>Nature Electronics</i> , <b>2021</b> , 4, 218-227	28.4	74
193	. <i>IEEE Transactions on Microwave Theory and Techniques</i> , <b>2021</b> , 69, 1493-1510	4.1	24
192	A reconfigurable active acoustic metalens. <i>Applied Physics Letters</i> , <b>2021</b> , 118, 133502	3.4	40
191	Smart Doppler Cloak Operating in Broad Band and Full Polarizations. <i>Advanced Materials</i> , <b>2021</b> , 33, e2007966	17.4	16
190	Radiation-Type Metasurfaces for Advanced Electromagnetic Manipulation. <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2100569	15.6	5
189	Polarization Multiplexing Hologram Realized by Anisotropic Digital Metasurface. <i>Advanced Theory and Simulations</i> , <b>2021</b> , 4, 2100046	3.5	6
188	. <i>IEEE Transactions on Microwave Theory and Techniques</i> , <b>2021</b> , 69, 2015-2027	4.1	20

187	Space-Time-Coding Digital Metasurfaces: Principles and Applications. <i>Research</i> , <b>2021</b> , 2021, 9802673	7.8	8
186	Programmable Reflection-Transmission Shared-Aperture Metasurface for Real-Time Control of Electromagnetic Waves in Full Space. <i>Advanced Science</i> , <b>2021</b> , 8, e2100149	13.6	22
185	Programmable Amplitude-Coding Metasurface with Multifrequency Modulations. <i>Advanced Intelligent Systems</i> , <b>2021</b> , 3, 2000260	6	4
184	Passive amplitude-phase modulations and sensing based on Mach-Zehnder interferometer of spoof surface plasmon polaritons. <i>Journal of Optics (United Kingdom)</i> , <b>2021</b> , 23, 075101	1.7	3
183	Polarization Modulation for Wireless Communications Based on Metasurfaces. <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2103379	15.6	19
182	Line Waves Existing at Junctions of Dual-Impedance Metasurfaces. <i>ACS Photonics</i> , <b>2021</b> , 8, 2285-2293	6.3	3
181	High-Efficiency Spatial-Wave Frequency Multiplication Using Strongly Nonlinear Metasurface. <i>Advanced Science</i> , <b>2021</b> , 8, e2101212	13.6	6
180	Linear and Nonlinear Polarization Syntheses and Their Programmable Controls based on Anisotropic Time-Domain Digital Coding Metasurface. <i>Small Structures</i> , <b>2021</b> , 2, 2000060	8.7	29
179	High Efficiency Polarization-Encoded Holograms with Ultrathin Bilayer Spin-Decoupled Information Metasurfaces. <i>Advanced Optical Materials</i> , <b>2021</b> , 9, 2001609	8.1	17
178	Folded Transmitarray Antenna With Circular Polarization Based on Metasurface. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2021</b> , 69, 806-814	4.9	17
177	Arbitrary power allocation for multiple beams using amplitude- and phase-coded metasurfaces. <i>Journal Physics D: Applied Physics</i> , <b>2021</b> , 54, 165106	3	4
176	Full-Space Manipulations of Electromagnetic Wavefronts at Two Frequencies by Encoding Both Amplitude and Phase of Metasurface. <i>Advanced Materials Technologies</i> , <b>2021</b> , 6, 2001032	6.8	16
175	Control of the harmonic near-field distributions by an active metasurface loaded with pin diodes. <i>Photonics Research</i> , <b>2021</b> , 9, 344	6	6
174	Tunable Acoustic Metasurface for Three-Dimensional Wave Manipulations. <i>Physical Review Applied</i> , <b>2021</b> , 15,	4.3	12
173	Metamaterial Lenses and Their Applications at Microwave Frequencies. <i>Advanced Photonics Research</i> , <b>2021</b> , 2, 2100001	1.9	4
172	Anisotropic and nonlinear metasurface for multiple functions. <i>Science China Information Sciences</i> , <b>2021</b> , 64, 1	3.4	4
171	. <i>IEEE Journal on Selected Areas in Communications</i> , <b>2021</b> , 39, 2271-2288	14.2	9
170	Reprogrammable plasmonic topological insulators with ultrafast control. <i>Nature Communications</i> , <b>2021</b> , 12, 5468	17.4	18

169	Simultaneous Conversion of Polarization and Frequency via Time-Division-Multiplexing Metasurfaces. <i>Advanced Optical Materials</i> , <b>2021</b> , 9, 2101043	8.1	3
168	Dual-polarization programmable metasurface modulator for near-field information encoding and transmission. <i>Photonics Research</i> , <b>2021</b> , 9, 116	6	26
167	Broadband digital coding metasurface holography. <i>Journal of Applied Physics</i> , <b>2021</b> , 130, 235103	2.5	1
166	Harmonic information transitions of spatiotemporal metasurfaces. <i>Light: Science and Applications</i> , <b>2020</b> , 9, 198	16.7	13
165	High-Efficiency Synthesizer for Spatial Waves Based on Space-Time-Coding Digital Metasurface. <i>Laser and Photonics Reviews</i> , <b>2020</b> , 14, 1900133	8.3	28
164	An optically driven digital metasurface for programming electromagnetic functions. <i>Nature Electronics</i> , <b>2020</b> , 3, 165-171	28.4	108
163	Frequency-multiplexed pure-phase microwave meta-holograms using bi-spectral 2-bit coding metasurfaces. <i>Nanophotonics</i> , <b>2020</b> , 9, 703-714	6.3	25
162	Independent Control of Copolarized Amplitude and Phase Responses via Anisotropic Metasurfaces. <i>Advanced Optical Materials</i> , <b>2020</b> , 8, 1902126	8.1	17
161	Wireless Communications with Programmable Metasurface: New Paradigms, Opportunities, and Challenges on Transceiver Design. <i>IEEE Wireless Communications</i> , <b>2020</b> , 27, 180-187	13.4	96
160	Information Metamaterials: bridging the physical world and digital world. <i>PhotoniX</i> , <b>2020</b> , 1,	19	94
159	. <i>IEEE Journal on Selected Areas in Communications</i> , <b>2020</b> , 38, 2683-2699	14.2	101
158	Editing Arbitrarily Linear Polarizations Using Programmable Metasurface. <i>Physical Review Applied</i> , <b>2020</b> , 13,	4.3	38
157	Mathematical Operations of Transmissive Near Fields Controlled by Metasurface with Phase and Amplitude Modulations. <i>Annalen Der Physik</i> , <b>2020</b> , 532, 2000069	2.6	10
156	Wide-Angle Frequency Beam Scanning Antenna Based on the Higher-Order Modes of Spoof Surface Plasmon Polariton. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2020</b> , 68, 7652-7657	4.9	14
155	Smart sensing metasurface with self-defined functions in dual polarizations. <i>Nanophotonics</i> , <b>2020</b> , 9, 3271-3278	6.3	46
154	Dual-band reconfigurable metasurface-assisted Fabry-Pérot antenna with high-gain radiation and low scattering. <i>IET Microwaves, Antennas and Propagation</i> , <b>2020</b> , 14, 1933-1942	1.6	3
153	Gain-Assisted Active Spoof Plasmonic Fano Resonance for High-Resolution Sensing of Glucose Aqueous Solutions. <i>Advanced Materials Technologies</i> , <b>2020</b> , 5, 1900767	6.8	19
152	Information theory of metasurfaces. <i>National Science Review</i> , <b>2020</b> , 7, 561-571	10.8	15

151	Realization of Multi-Modulation Schemes for Wireless Communication by Time-Domain Digital Coding Metasurface. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2020</b> , 68, 1618-1627	4.9	55
150	Tunable, reconfigurable, and programmable metamaterials. <i>Microwave and Optical Technology Letters</i> , <b>2020</b> , 62, 9-32	1.2	32
149	Controls of transmitted electromagnetic waves for diverse functionalities using polarization-selective dual-band 2 bit coding metasurface. <i>Journal of Optics (United Kingdom)</i> , <b>2020</b> , 22, 015104	1.7	5
148	Representing Quantum Information with Digital Coding Metasurfaces. <i>Advanced Science</i> , <b>2020</b> , 7, 2001648	3.6	3
147	Arbitrary manipulations of dual harmonics and their wave behaviors based on space-time-coding digital metasurface. <i>Applied Physics Reviews</i> , <b>2020</b> , 7, 041408	17.3	16
146	Information Metamaterial Systems. <i>IScience</i> , <b>2020</b> , 23, 101403	6.1	54
145	Terahertz Beam Steering Technologies: From Phased Arrays to Field-Programmable Metasurfaces. <i>Advanced Optical Materials</i> , <b>2020</b> , 8, 1900628	8.1	74
144	Pattern-Reconfigurable Planar Array Antenna Characterized by Digital Coding Method. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2020</b> , 68, 1170-1175	4.9	24
143	Polarization-Controlled Dual-Programmable Metasurfaces. <i>Advanced Science</i> , <b>2020</b> , 7, 1903382	13.6	50
142	A Thin Self-Feeding Janus Metasurface for Manipulating Incident Waves and Emitting Radiation Waves Simultaneously. <i>Annalen Der Physik</i> , <b>2020</b> , 532, 2000020	2.6	56
141	Controllable and Programmable Nonreciprocity Based on Detachable Digital Coding Metasurface. <i>Advanced Optical Materials</i> , <b>2019</b> , 7, 1901285	8.1	37
140	Millimeter-Wave Digital Coding Metasurfaces Based on Nematic Liquid Crystals. <i>Advanced Theory and Simulations</i> , <b>2019</b> , 2, 1900141	3.5	11
139	Routing Acoustic Waves via a Metamaterial with Extreme Anisotropy. <i>Physical Review Applied</i> , <b>2019</b> , 12,	4.3	6
138	2-bit amplitude-modulated coding metasurfaces based on indium tin oxide films. <i>Journal of Applied Physics</i> , <b>2019</b> , 126, 113102	2.5	10
137	Recent progress on metamaterials: From effective medium model to real-time information processing system. <i>Progress in Quantum Electronics</i> , <b>2019</b> , 67, 100223	9.1	28
136	0.02-wavelengths-thick transmission-type designer wave plate with high efficiency. <i>Journal Physics D: Applied Physics</i> , <b>2019</b> , 52, 375105	3	3
135	Space-Energy Digital-Coding Metasurface Based on an Active Amplifier. <i>Physical Review Applied</i> , <b>2019</b> , 11,	4.3	63
134	Programmable metasurface-based RF chain-free 8PSK wireless transmitter. <i>Electronics Letters</i> , <b>2019</b> , 55, 417-420	1.1	81

133	Microwave Metamaterials. <i>Annalen Der Physik</i> , <b>2019</b> , 531, 1800445	2.6	11
132	Machine-learning reprogrammable metasurface imager. <i>Nature Communications</i> , <b>2019</b> , 10, 1082	17.4	194
131	Generation of high-order orbital angular momentum beams and split beams simultaneously by employing anisotropic coding metasurfaces. <i>Journal of Optics (United Kingdom)</i> , <b>2019</b> , 21, 065103	1.7	6
130	The engineering way from spoof surface plasmon polaritons to radiations. <i>EPJ Applied Metamaterials</i> , <b>2019</b> , 6, 9	0.8	3
129	Breaking Reciprocity with Space-Time-Coding Digital Metasurfaces. <i>Advanced Materials</i> , <b>2019</b> , 31, e1904069	10.9	113
128	Metasurfaces: Wireless Communications through a Simplified Architecture Based on Time-Domain Digital Coding Metasurface (Adv. Mater. Technol. 7/2019). <i>Advanced Materials Technologies</i> , <b>2019</b> , 4, 1970037	6.8	6
127	Manipulation of Electromagnetic and Acoustic Wave Behaviors via Shared Digital Coding Metallic Metasurfaces. <i>Advanced Intelligent Systems</i> , <b>2019</b> , 1, 1900038	6	12
126	Multi-Beam Forming and Controls by Metasurface With Phase and Amplitude Modulations. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2019</b> , 67, 6680-6685	4.9	44
125	Intelligent metasurface imager and recognizer. <i>Light: Science and Applications</i> , <b>2019</b> , 8, 97	16.7	119
124	Spin-Symmetry Breaking Through Metasurface Geometric Phases. <i>Physical Review Applied</i> , <b>2019</b> , 12,	4.3	13
123	Smart metasurface with self-adaptively reprogrammable functions. <i>Light: Science and Applications</i> , <b>2019</b> , 8, 98	16.7	153
122	Splitting spoof surface plasmon polaritons to different directions with high efficiency in ultra-wideband frequencies. <i>Optics Letters</i> , <b>2019</b> , 44, 3374-3377	3	17
121	Transparently curved metamaterial with broadband millimeter wave absorption. <i>Photonics Research</i> , <b>2019</b> , 7, 478	6	46
120	Wireless communications with programmable metasurface: Transceiver design and experimental results. <i>China Communications</i> , <b>2019</b> , 16, 46-61	3	96
119	Direct Transmission of Digital Message via Programmable Coding Metasurface. <i>Research</i> , <b>2019</b> , 2019, 2584509	7.8	74
118	Band-stop filter based on spoof surface plasmon polaritons. <i>Electronics Letters</i> , <b>2019</b> , 55, 607-609	1.1	9
117	Full controls of OAM vortex beam and realization of retro and negative reflections at oblique incidence using dual-band 2-bit coding metasurface. <i>Materials Research Express</i> , <b>2019</b> , 6, 125804	1.7	11
116	Programmable time-domain digital-coding metasurface for non-linear harmonic manipulation and new wireless communication systems. <i>National Science Review</i> , <b>2019</b> , 6, 231-238	10.8	172

115	An optically transparent metasurface for broadband microwave antireflection. <i>Applied Physics Letters</i> , <b>2018</b> , 112, 073504	3.4	58
114	A Spoof Surface Plasmon Transmission Line Loaded with Varactors and Short-Circuit Stubs and Its Application in Wilkinson Power Dividers. <i>Advanced Materials Technologies</i> , <b>2018</b> , 3, 1800046	6.8	24
113	Pass-band reconfigurable spoof surface plasmon polaritons. <i>Journal of Physics Condensed Matter</i> , <b>2018</b> , 30, 134004	1.8	23
112	Microwave metamaterials. <i>National Science Review</i> , <b>2018</b> , 5, 134-136	10.8	100
111	Addition Theorem for Digital Coding Metamaterials. <i>Advanced Optical Materials</i> , <b>2018</b> , 6, 1701236	8.1	82
110	2D achromatic flat focusing lens based on dispersion engineering of spoof surface plasmon polaritons: broadband and profile-robust. <i>Journal Physics D: Applied Physics</i> , <b>2018</b> , 51, 045108	3	4
109	Optically transparent coding metasurfaces based on indium tin oxide films. <i>Journal of Applied Physics</i> , <b>2018</b> , 124, 023102	2.5	18
108	Design of digital coding metasurfaces with independent controls of phase and amplitude responses. <i>Applied Physics Letters</i> , <b>2018</b> , 113, 063502	3.4	46
107	Transparent coupled membrane metamaterials with simultaneous microwave absorption and sound reduction. <i>Optics Express</i> , <b>2018</b> , 26, 22916-22925	3.3	25
106	An ultra-thin coplanar waveguide filter based on the spoof surface plasmon polaritons. <i>Applied Physics Letters</i> , <b>2018</b> , 113, 071101	3.4	31
105	Tailoring polarization and magnetization of absorbing terahertz metamaterials using a cut-wire sandwich structure. <i>Beilstein Journal of Nanotechnology</i> , <b>2018</b> , 9, 1437-1447	3	14
104	Tailoring polarization states of multiple beams that carry different topological charges of orbital angular momentums. <i>Optics Express</i> , <b>2018</b> , 26, 31664-31674	3.3	15
103	Independent control of harmonic amplitudes and phases via a time-domain digital coding metasurface. <i>Light: Science and Applications</i> , <b>2018</b> , 7, 90	16.7	118
102	Acoustic planar surface retroreflector. <i>Physical Review Materials</i> , <b>2018</b> , 2,	3.2	25
101	Localized Surface Magnetic Modes Propagating Along a Chain of Connected Subwavelength Metamaterial Resonators. <i>Physical Review Applied</i> , <b>2018</b> , 10,	4.3	8
100	Space-time-coding digital metasurfaces. <i>Nature Communications</i> , <b>2018</b> , 9, 4334	17.4	367
99	Multitasking Shared Aperture Enabled with Multiband Digital Coding Metasurface. <i>Advanced Optical Materials</i> , <b>2018</b> , 6, 1800657	8.1	50
98	Frequency-dependent transmission-type digital coding metasurface controlled by light intensity. <i>Applied Physics Letters</i> , <b>2018</b> , 113, 091601	3.4	17

97	Generation of radio vortex beams with designable polarization using anisotropic frequency selective surface. <i>Applied Physics Letters</i> , <b>2018</b> , 112, 203501	3.4	30
96	Diffraction radiation based on an anti-symmetry structure of spoof surface-plasmon waveguide. <i>Applied Physics Letters</i> , <b>2017</b> , 110, 021118	3.4	16
95	Asymmetric transmission of linearly polarized waves in terahertz chiral metamaterials. <i>Journal of Applied Physics</i> , <b>2017</b> , 121, 033103	2.5	30
94	One-dimensional leaky-wave antenna producing multiple beams. <i>AIP Advances</i> , <b>2017</b> , 7, 025109	1.5	3
93	Achromatic flat focusing lens based on dispersion engineering of spoof surface plasmon polaritons. <i>Applied Physics Letters</i> , <b>2017</b> , 110, 203507	3.4	26
92	Microwave metamaterials from passive to digital and programmable controls of electromagnetic waves. <i>Journal of Optics (United Kingdom)</i> , <b>2017</b> , 19, 084004	1.7	70
91	Controlling Energy Radiations of Electromagnetic Waves via Frequency Coding Metamaterials. <i>Advanced Science</i> , <b>2017</b> , 4, 1700098	13.6	45
90	Reduction of Shielding-Box Volume Using SPP-Like Transmission Lines. <i>IEEE Transactions on Components, Packaging and Manufacturing Technology</i> , <b>2017</b> , 7, 1486-1492	1.7	17
89	Thermally tunable water-substrate broadband metamaterial absorbers. <i>Applied Physics Letters</i> , <b>2017</b> , 110, 104103	3.4	98
88	Reconfigurable conversions of reflection, transmission, and polarization states using active metasurface. <i>Applied Physics Letters</i> , <b>2017</b> , 110, 121901	3.4	60
87	Broadband metamaterial for optical transparency and microwave absorption. <i>Applied Physics Letters</i> , <b>2017</b> , 110, 143511	3.4	149
86	Information metamaterials and metasurfaces. <i>Journal of Materials Chemistry C</i> , <b>2017</b> , 5, 3644-3668	7.1	187
85	Spoof plasmon hybridization. <i>Laser and Photonics Reviews</i> , <b>2017</b> , 11, 1600191	8.3	37
84	Concepts, Working Principles, and Applications of Coding and Programmable Metamaterials. <i>Advanced Optical Materials</i> , <b>2017</b> , 5, 1700624	8.1	90
83	Spin-Controlled Multiple Pencil Beams and Vortex Beams with Different Polarizations Generated by Pancharatnam-Berry Coding Metasurfaces. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 36447-36455	9.5	133
82	Large-scale transmission-type multifunctional anisotropic coding metasurfaces in millimeter-wave frequencies. <i>Journal Physics D: Applied Physics</i> , <b>2017</b> , 50, 404002	3	20
81	Beam-Editing Coding Metasurfaces Based on Polarization Bit and Orbital-Angular-Momentum-Mode Bit. <i>Advanced Optical Materials</i> , <b>2017</b> , 5, 1700548	8.1	96
80	Electromagnetic reprogrammable coding-metasurface holograms. <i>Nature Communications</i> , <b>2017</b> , 8, 19717.4	17.4	480



79	Flexible Controls of Terahertz Waves Using Coding and Programmable Metasurfaces. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , <b>2017</b> , 23, 1-12	3.8	25
78	Fast design of broadband terahertz diffusion metasurfaces. <i>Optics Express</i> , <b>2017</b> , 25, 1050-1061	3.3	19
77	Full-State Controls of Terahertz Waves Using Tensor Coding Metasurfaces. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 21503-21514	9.5	46
76	Flexible controls of scattering clouds using coding metasurfaces. <i>Scientific Reports</i> , <b>2016</b> , 6, 37545	4.9	19
75	Smaller-loss planar SPP transmission line than conventional microstrip in microwave frequencies. <i>Scientific Reports</i> , <b>2016</b> , 6, 23396	4.9	55
74	Controlling the Bandwidth of Terahertz Low-Scattering Metasurfaces. <i>Advanced Optical Materials</i> , <b>2016</b> , 4, 1773-1779	8.1	32
73	An Ultra-wideband and Polarization-independent Metasurface for RCS Reduction. <i>Scientific Reports</i> , <b>2016</b> , 6, 20387	4.9	104
72	An Active Wideband and Wide-Angle Electromagnetic Absorber at Microwave Frequencies. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2016</b> , 15, 1913-1916	3.8	36
71	Free-Standing Metasurfaces for High-Efficiency Transmitarrays for Controlling Terahertz Waves. <i>Advanced Optical Materials</i> , <b>2016</b> , 4, 384-390	8.1	29
70	Wave propagation in reconfigurable broadband gain metamaterials at microwave frequencies. <i>Journal of Applied Physics</i> , <b>2016</b> , 119, 194904	2.5	3
69	Broadband metasurface for independent control of reflected amplitude and phase. <i>AIP Advances</i> , <b>2016</b> , 6, 045024	1.5	40
68	Independent modulations of the transmission amplitudes and phases by using Huygens metasurfaces. <i>Scientific Reports</i> , <b>2016</b> , 6, 25639	4.9	30
67	Broadband fractal acoustic metamaterials for low-frequency sound attenuation. <i>Applied Physics Letters</i> , <b>2016</b> , 109, 131901	3.4	33
66	Isotropic Holographic Metasurfaces for Dual-Functional Radiations without Mutual Interferences. <i>Advanced Functional Materials</i> , <b>2016</b> , 26, 29-35	15.6	43
65	Anisotropic coding metamaterials and their powerful manipulation of differently polarized terahertz waves. <i>Light: Science and Applications</i> , <b>2016</b> , 5, e16076	16.7	301
64	Frequency-Dependent Dual-Functional Coding Metasurfaces at Terahertz Frequencies. <i>Advanced Optical Materials</i> , <b>2016</b> , 4, 1965-1973	8.1	86
63	Anomalous Refraction and Nondiffractive Bessel-Beam Generation of Terahertz Waves through Transmission-Type Coding Metasurfaces. <i>ACS Photonics</i> , <b>2016</b> , 3, 1968-1977	6.3	119
62	Convolution Operations on Coding Metasurface to Reach Flexible and Continuous Controls of Terahertz Beams. <i>Advanced Science</i> , <b>2016</b> , 3, 1600156	13.6	199

61	Ultra Wideband Polarization-Selective Conversions of Electromagnetic Waves by Metasurface under Large-Range Incident Angles. <i>Scientific Reports</i> , <b>2015</b> , 5, 12476	4.9	54
60	A Broadband Bessel Beam Launcher Using Metamaterial Lens. <i>Scientific Reports</i> , <b>2015</b> , 5, 11732	4.9	49
59	A broadband terahertz absorber using multi-layer stacked bars. <i>Applied Physics Letters</i> , <b>2015</b> , 106, 151603	4.4	223
58	Breaking the Challenge of Signal Integrity Using Time-Domain Spoof Surface Plasmon Polaritons. <i>ACS Photonics</i> , <b>2015</b> , 2, 1333-1340	6.3	105
57	Low-reflection beam refractions by ultrathin Huygens metasurface. <i>AIP Advances</i> , <b>2015</b> , 5, 067102	1.5	19
56	Broadband amplification of spoof surface plasmon polaritons at microwave frequencies. <i>Laser and Photonics Reviews</i> , <b>2015</b> , 9, 83-90	8.3	154
55	A broadband random metasurface for Radar Cross Section reduction <b>2015</b> ,		3
54	Broadband, wide-angle, low-scattering terahertz wave by a flexible 2-bit coding metasurface. <i>Optics Express</i> , <b>2015</b> , 23, 29128-37	3.3	68
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51	Broadbanding of circularly polarized patch antenna by waveguided magneto-dielectric metamaterial. <i>AIP Advances</i> , <b>2015</b> , 5, 127134	1.5	1
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48	An Optically Controllable Transformation-dc Illusion Device. <i>Advanced Materials</i> , <b>2015</b> , 27, 4628-33	2.4	16
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45	High-order localized spoof surface plasmon resonances and experimental verifications. <i>Scientific Reports</i> , <b>2015</b> , 5, 9590	4.9	85
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33	An ultra-wideband surface plasmonic filter in microwave frequency. <i>Applied Physics Letters</i> , <b>2014</b> , 104, 191603	3.4	146
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30	Broadband and high-efficiency conversion from guided waves to spoof surface plasmon polaritons. <i>Laser and Photonics Reviews</i> , <b>2014</b> , 8, 146-151	8.3	395
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23	Broadband all-dielectric magnifying lens for far-field high-resolution imaging. <i>Advanced Materials</i> , <b>2013</b> , 25, 6963-8	2.4	66
22	An ultrathin directional carpet cloak based on generalized Snell's law. <i>Applied Physics Letters</i> , <b>2013</b> , 103, 151115	3.4	87
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13	Radar illusion via metamaterials. <i>Physical Review E</i> , <b>2011</b> , 83, 026601	2.4	76
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