

# Shengli Jia

## List of Publications by Citations

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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	Coding metamaterials, digital metamaterials and programmable metamaterials. <i>Light: Science and Applications</i> , <b>2014</b> , 3, e218-e218	16.7	1217
203	Polarization-independent wide-angle triple-band metamaterial absorber. <i>Optics Express</i> , <b>2011</b> , 19, 9401-3	7.3	516
202	Electromagnetic reprogrammable coding-metasurface holograms. <i>Nature Communications</i> , <b>2017</b> , 8, 197	17.4	480
201	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
200	Space-time-coding digital metasurfaces. <i>Nature Communications</i> , <b>2018</b> , 9, 4334	17.4	367
199	Three-dimensional broadband ground-plane cloak made of metamaterials. <i>Nature Communications</i> , <b>2010</b> , 1, 21	17.4	360
198	Experimental demonstration of electromagnetic tunneling through an epsilon-near-zero metamaterial at microwave frequencies. <i>Physical Review Letters</i> , <b>2008</b> , 100, 023903	7.4	338
197	Triple-band terahertz metamaterial absorber: Design, experiment, and physical interpretation. <i>Applied Physics Letters</i> , <b>2012</b> , 101, 154102	3.4	331
196	Three-dimensional broadband and broad-angle transformation-optics lens. <i>Nature Communications</i> , <b>2010</b> , 1, 124	17.4	301
195	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
194	Ultrathin multiband gigahertz metamaterial absorbers. <i>Journal of Applied Physics</i> , <b>2011</b> , 110, 014909	2.5	275
193	A broadband terahertz absorber using multi-layer stacked bars. <i>Applied Physics Letters</i> , <b>2015</b> , 106, 151603	3.4	223
192	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
191	Machine-learning reprogrammable metasurface imager. <i>Nature Communications</i> , <b>2019</b> , 10, 1082	17.4	194
190	Planar plasmonic metamaterial on a thin film with nearly zero thickness. <i>Applied Physics Letters</i> , <b>2013</b> , 102, 211909	3.4	188
189	Information metamaterials and metasurfaces. <i>Journal of Materials Chemistry C</i> , <b>2017</b> , 5, 3644-3668	7.1	187
188	Ultrathin plasmonic metamaterial for spoof localized surface plasmons. <i>Laser and Photonics Reviews</i> , <b>2014</b> , 8, 137-145	8.3	184

187	An omnidirectional electromagnetic absorber made of metamaterials. <i>New Journal of Physics</i> , <b>2010</b> , 12, 063006	2.9	184
186	Dual-band asymmetric transmission of linear polarization in bilayered chiral metamaterial. <i>Applied Physics Letters</i> , <b>2013</b> , 102, 191905	3.4	178
185	A tunable metamaterial absorber using varactor diodes. <i>New Journal of Physics</i> , <b>2013</b> , 15, 043049	2.9	177
184	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
183	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
182	Smart metasurface with self-adaptively reprogrammable functions. <i>Light: Science and Applications</i> , <b>2019</b> , 8, 98	16.7	153
181	Broadband metamaterial for optical transparency and microwave absorption. <i>Applied Physics Letters</i> , <b>2017</b> , 110, 143511	3.4	149
180	Description and explanation of electromagnetic behaviors in artificial metamaterials based on effective medium theory. <i>Physical Review E</i> , <b>2007</b> , 76, 026606	2.4	149
179	An ultra-wideband surface plasmonic filter in microwave frequency. <i>Applied Physics Letters</i> , <b>2014</b> , 104, 191603	3.4	146
178	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
177	Anomalous Terahertz Reflection and Scattering by Flexible and Conformal Coding Metamaterials. <i>Advanced Optical Materials</i> , <b>2015</b> , 3, 1374-1380	8.1	131
176	Intelligent metasurface imager and recognizer. <i>Light: Science and Applications</i> , <b>2019</b> , 8, 97	16.7	119
175	Controlling rejections of spoof surface plasmon polaritons using metamaterial particles. <i>Optics Express</i> , <b>2014</b> , 22, 13940-50	3.3	119
174	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
173	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
172	Three-dimensional broadband and high-directivity lens antenna made of metamaterials. <i>Journal of Applied Physics</i> , <b>2011</b> , 110, 044904	2.5	115
171	Breaking Reciprocity with Space-Time-Coding Digital Metasurfaces. <i>Advanced Materials</i> , <b>2019</b> , 31, e1904069	11.9	113
170	Efficient conversion of surface-plasmon-like modes to spatial radiated modes. <i>Applied Physics Letters</i> , <b>2015</b> , 106, 021102	3.4	110

169	An optically driven digital metasurface for programming electromagnetic functions. <i>Nature Electronics</i> , <b>2020</b> , 3, 165-171	28.4	108
168	Broadband and broad-angle low-scattering metasurface based on hybrid optimization algorithm. <i>Scientific Reports</i> , <b>2014</b> , 4, 5935	4.9	106
167	A broadband transformation-optics metasurface lens. <i>Applied Physics Letters</i> , <b>2014</b> , 104, 151601	3.4	106
166	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
165	An Ultra-wideband and Polarization-independent Metasurface for RCS Reduction. <i>Scientific Reports</i> , <b>2016</b> , 6, 20387	4.9	104
164	. <i>IEEE Journal on Selected Areas in Communications</i> , <b>2020</b> , 38, 2683-2699	14.2	101
163	Reduction of Mutual Coupling Between Closely Packed Patch Antennas Using Waveguided Metamaterials. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2012</b> , 11, 389-391	3.8	101
162	Microwave metamaterials. <i>National Science Review</i> , <b>2018</b> , 5, 134-136	10.8	100
161	Thermally tunable water-substrate broadband metamaterial absorbers. <i>Applied Physics Letters</i> , <b>2017</b> , 110, 104103	3.4	98
160	Broadband transition between microstrip line and conformal surface plasmon waveguide. <i>Journal Physics D: Applied Physics</i> , <b>2014</b> , 47, 315103	3	97
159	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
158	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
157	Wireless communications with programmable metasurface: Transceiver design and experimental results. <i>China Communications</i> , <b>2019</b> , 16, 46-61	3	96
156	Information Metamaterials: bridging the physical world and digital world. <i>PhotoniX</i> , <b>2020</b> , 1,	19	94
155	Concepts, Working Principles, and Applications of Coding and Programmable Metamaterials. <i>Advanced Optical Materials</i> , <b>2017</b> , 5, 1700624	8.1	90
154	Planar bifunctional Luneburg-fisheye lens made of an anisotropic metasurface. <i>Laser and Photonics Reviews</i> , <b>2014</b> , 8, 757-765	8.3	90
153	Creation of Ghost Illusions Using Wave Dynamics in Metamaterials. <i>Advanced Functional Materials</i> , <b>2013</b> , 23, 4028-4034	15.6	89
152	An ultrathin directional carpet cloak based on generalized Snell's law. <i>Applied Physics Letters</i> , <b>2013</b> , 103, 151115	3.4	87

151	Frequency-Dependent Dual-Functional Coding Metasurfaces at Terahertz Frequencies. <i>Advanced Optical Materials</i> , <b>2016</b> , 4, 1965-1973	8.1	86
150	High-order localized spoof surface plasmon resonances and experimental verifications. <i>Scientific Reports</i> , <b>2015</b> , 5, 9590	4.9	85
149	Addition Theorem for Digital Coding Metamaterials. <i>Advanced Optical Materials</i> , <b>2018</b> , 6, 1701236	8.1	82
148	Terahertz Broadband Low-Reflection Metasurface by Controlling Phase Distributions. <i>Advanced Optical Materials</i> , <b>2015</b> , 3, 1405-1410	8.1	82
147	Programmable metasurface-based RF chain-free 8PSK wireless transmitter. <i>Electronics Letters</i> , <b>2019</b> , 55, 417-420	1.1	81
146	Frequency-controls of electromagnetic multi-beam scanning by metasurfaces. <i>Scientific Reports</i> , <b>2014</b> , 4, 6921	4.9	79
145	Experiments on active cloaking and illusion for Laplace equation. <i>Physical Review Letters</i> , <b>2013</b> , 111, 173901	7.0	78
144	Radar illusion via metamaterials. <i>Physical Review E</i> , <b>2011</b> , 83, 026601	2.4	76
143	Direct Transmission of Digital Message via Programmable Coding Metasurface. <i>Research</i> , <b>2019</b> , 2019, 2584509	7.8	74
142	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
141	Terahertz Beam Steering Technologies: From Phased Arrays to Field-Programmable Metasurfaces. <i>Advanced Optical Materials</i> , <b>2020</b> , 8, 1900628	8.1	74
140	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
139	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
138	Broadband all-dielectric magnifying lens for far-field high-resolution imaging. <i>Advanced Materials</i> , <b>2013</b> , 25, 6963-8	2.4	66
137	Space-Energy Digital-Coding Metasurface Based on an Active Amplifier. <i>Physical Review Applied</i> , <b>2019</b> , 11,	4.3	63
136	Reconfigurable conversions of reflection, transmission, and polarization states using active metasurface. <i>Applied Physics Letters</i> , <b>2017</b> , 110, 121901	3.4	60
135	A bi-layered quad-band metamaterial absorber at terahertz frequencies. <i>Journal of Applied Physics</i> , <b>2015</b> , 118, 245304	2.5	60
134	An optically transparent metasurface for broadband microwave antireflection. <i>Applied Physics Letters</i> , <b>2018</b> , 112, 073504	3.4	58

133	Bidirectional bending splitter of designer surface plasmons. <i>Applied Physics Letters</i> , <b>2011</b> , 99, 111904	3.4	58
132	Layered high-gain lens antennas via discrete optical transformation. <i>Applied Physics Letters</i> , <b>2008</b> , 93, 221906	3.4	56
131	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
130	Smaller-loss planar SPP transmission line than conventional microstrip in microwave frequencies. <i>Scientific Reports</i> , <b>2016</b> , 6, 23396	4.9	55
129	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
128	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
127	Information Metamaterial Systems. <i>IScience</i> , <b>2020</b> , 23, 101403	6.1	54
126	Magnetic Localized Surface Plasmons. <i>Physical Review X</i> , <b>2014</b> , 4,	9.1	51
125	Polarization-Controlled Dual-Programmable Metasurfaces. <i>Advanced Science</i> , <b>2020</b> , 7, 1903382	13.6	50
124	Multitasking Shared Aperture Enabled with Multiband Digital Coding Metasurface. <i>Advanced Optical Materials</i> , <b>2018</b> , 6, 1800657	8.1	50
123	A Broadband Bessel Beam Launcher Using Metamaterial Lens. <i>Scientific Reports</i> , <b>2015</b> , 5, 11732	4.9	49
122	High-directivity emissions with flexible beam numbers and beam directions using gradient-refractive-index fractal metamaterial. <i>Scientific Reports</i> , <b>2014</b> , 4, 5744	4.9	47
121	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
120	Transparently curved metamaterial with broadband millimeter wave absorption. <i>Photonics Research</i> , <b>2019</b> , 7, 478	6	46
119	Smart sensing metasurface with self-defined functions in dual polarizations. <i>Nanophotonics</i> , <b>2020</b> , 9, 3271-3278	6.3	46
118	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
117	Controlling Energy Radiations of Electromagnetic Waves via Frequency Coding Metamaterials. <i>Advanced Science</i> , <b>2017</b> , 4, 1700098	13.6	45
116	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

115	Isotropic Holographic Metasurfaces for Dual-Functional Radiations without Mutual Interferences. <i>Advanced Functional Materials</i> , <b>2016</b> , 26, 29-35	15.6	43
114	A reconfigurable active acoustic metalens. <i>Applied Physics Letters</i> , <b>2021</b> , 118, 133502	3.4	40
113	Broadband metasurface for independent control of reflected amplitude and phase. <i>AIP Advances</i> , <b>2016</b> , 6, 045024	1.5	40
112	Editing Arbitrarily Linear Polarizations Using Programmable Metasurface. <i>Physical Review Applied</i> , <b>2020</b> , 13,	4.3	38
111	Spoof plasmon hybridization. <i>Laser and Photonics Reviews</i> , <b>2017</b> , 11, 1600191	8.3	37
110	Controllable and Programmable Nonreciprocity Based on Detachable Digital Coding Metasurface. <i>Advanced Optical Materials</i> , <b>2019</b> , 7, 1901285	8.1	37
109	Gradient index circuit by waveguided metamaterials. <i>Applied Physics Letters</i> , <b>2009</b> , 94, 073506	3.4	37
108	Enhancement of current density by dc electric concentrator. <i>Scientific Reports</i> , <b>2012</b> , 2, 956	4.9	37
107	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
106	Tailoring Radiation Patterns in Broadband With Controllable Aperture Field Using Metamaterials. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2013</b> , 61, 5792-5798	4.9	34
105	Broadband fractal acoustic metamaterials for low-frequency sound attenuation. <i>Applied Physics Letters</i> , <b>2016</b> , 109, 131901	3.4	33
104	Controlling the Bandwidth of Terahertz Low-Scattering Metasurfaces. <i>Advanced Optical Materials</i> , <b>2016</b> , 4, 1773-1779	8.1	32
103	Tunable, reconfigurable, and programmable metamaterials. <i>Microwave and Optical Technology Letters</i> , <b>2020</b> , 62, 9-32	1.2	32
102	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
101	Asymmetric transmission of linearly polarized waves in terahertz chiral metamaterials. <i>Journal of Applied Physics</i> , <b>2017</b> , 121, 033103	2.5	30
100	Independent modulations of the transmission amplitudes and phases by using Huygens metasurfaces. <i>Scientific Reports</i> , <b>2016</b> , 6, 25639	4.9	30
99	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
98	Diffuse reflections by randomly gradient index metamaterials. <i>Optics Letters</i> , <b>2010</b> , 35, 808-10	3	29

97	Experimental verification of a broadband planar focusing antenna based on transformation optics. <i>New Journal of Physics</i> , <b>2011</b> , 13, 063028	2.9	29
96	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
95	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
94	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
93	Independent control of differently-polarized waves using anisotropic gradient-index metamaterials. <i>Scientific Reports</i> , <b>2014</b> , 4, 6337	4.9	28
92	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
91	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
90	Dual-polarization programmable metasurface modulator for near-field information encoding and transmission. <i>Photonics Research</i> , <b>2021</b> , 9, 116	6	26
89	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
88	Transparent coupled membrane metamaterials with simultaneous microwave absorption and sound reduction. <i>Optics Express</i> , <b>2018</b> , 26, 22916-22925	3.3	25
87	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
86	Acoustic planar surface retroreflector. <i>Physical Review Materials</i> , <b>2018</b> , 2,	3.2	25
85	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
84	. <i>IEEE Transactions on Microwave Theory and Techniques</i> , <b>2021</b> , 69, 1493-1510	4.1	24
83	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
82	Pass-band reconfigurable spoof surface plasmon polaritons. <i>Journal of Physics Condensed Matter</i> , <b>2018</b> , 30, 134004	1.8	23
81	Orbital-Angular-Momentum-Encrypted Holography Based on Coding Information Metasurface. <i>Advanced Optical Materials</i> , <b>2021</b> , 9, 2002155	8.1	22
80	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



79	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
78	. <i>IEEE Transactions on Microwave Theory and Techniques</i> , <b>2021</b> , 69, 2015-2027	4.1	20
77	Low-reflection beam refractions by ultrathin Huygens metasurface. <i>AIP Advances</i> , <b>2015</b> , 5, 067102	1.5	19
76	Flexible controls of scattering clouds using coding metasurfaces. <i>Scientific Reports</i> , <b>2016</b> , 6, 37545	4.9	19
75	Fast design of broadband terahertz diffusion metasurfaces. <i>Optics Express</i> , <b>2017</b> , 25, 1050-1061	3.3	19
74	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
73	Polarization Modulation for Wireless Communications Based on Metasurfaces. <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2103379	15.6	19
72	Optically transparent coding metasurfaces based on indium tin oxide films. <i>Journal of Applied Physics</i> , <b>2018</b> , 124, 023102	2.5	18
71	Reprogrammable plasmonic topological insulators with ultrafast control. <i>Nature Communications</i> , <b>2021</b> , 12, 5468	17.4	18
70	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
69	Independent Control of Copolarized Amplitude and Phase Responses via Anisotropic Metasurfaces. <i>Advanced Optical Materials</i> , <b>2020</b> , 8, 1902126	8.1	17
68	Beam-steering Vivaldi antenna based on partial Luneburg lens constructed with composite materials. <i>Journal of Applied Physics</i> , <b>2011</b> , 110, 084908	2.5	17
67	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
66	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
65	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
64	Frequency-dependent transmission-type digital coding metasurface controlled by light intensity. <i>Applied Physics Letters</i> , <b>2018</b> , 113, 091601	3.4	17
63	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
62	An Optically Controllable Transformation-dc Illusion Device. <i>Advanced Materials</i> , <b>2015</b> , 27, 4628-33	24	16

61	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
60	Smart Doppler Cloak Operating in Broad Band and Full Polarizations. <i>Advanced Materials</i> , <b>2021</b> , 33, e2007466	17.4	16
59	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
58	Information theory of metasurfaces. <i>National Science Review</i> , <b>2020</b> , 7, 561-571	10.8	15
57	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
56	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
55	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
54	Harmonic information transitions of spatiotemporal metasurfaces. <i>Light: Science and Applications</i> , <b>2020</b> , 9, 198	16.7	13
53	Spin-Symmetry Breaking Through Metasurface Geometric Phases. <i>Physical Review Applied</i> , <b>2019</b> , 12,	4.3	13
52	Programmable Manipulations of Terahertz Beams by Transmissive Digital Coding Metasurfaces Based on Liquid Crystals. <i>Advanced Optical Materials</i> , 2100932	8.1	13
51	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
50	Analog signal processing through space-time digital metasurfaces. <i>Nanophotonics</i> , <b>2021</b> , 10, 1753-1764	6.3	12
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