

# Jia Fu Wang

## 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.

310  
papers

5,747  
citations

37  
h-index

63  
g-index

376  
ext. papers

7,502  
ext. citations

3.4  
avg, IF

6.01  
L-index

#	Paper	IF	Citations
310	Feasible strategy for simultaneously achieving excellent frequency selective characteristic and ultralight mechanical properties.. <i>Optics Express</i> , <b>2022</b> , 30, 4492-4503	3.3	1
309	Origami-based metamaterials for dynamic control of wide-angle absorption in a reconfigurable manner Zhibi. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2022</b> , 1-1	4.9	1
308	Design of Aperture-Multiplexing Metasurfaces via Back-Propagation Neural Network: Independent Control of Orthogonally-Polarized Waves. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2022</b> , 1-1	4.9	
307	Ultra-wideband RCS reduction based on coupling effects between beam diffuse and absorptive structures.. <i>Optics Express</i> , <b>2022</b> , 30, 3820-3834	3.3	1
306	Spin-to-orbital angular momentum conversion through a coplanar converter. <i>Journal Physics D: Applied Physics</i> , <b>2022</b> , 55, 185101	3	
305	Generating diverse functionalities simultaneously and independently for arbitrary linear polarized illumination enabled by a chiral transmission-reflection-selective bifunctional metasurface.. <i>Optics Express</i> , <b>2022</b> , 30, 7124-7136	3.3	3
304	Design of scene-adaptive infrared camouflage emitter based on Au-VO <sub>2</sub> -Al <sub>2</sub> O <sub>3</sub> -Au metamaterials. <i>Optics Communications</i> , <b>2022</b> , 512, 128016	2	1
303	Polarization Reconfigurable and Beam-Switchable Array Antenna Using Switchable Feed Network. <i>IEEE Access</i> , <b>2022</b> , 10, 29032-29039	3.5	1
302	Chiral Absorber Based Frequency Selective Resorber with Identical Filtering Characteristics for Distinct Polarizations. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2022</b> , 1-1	4.9	1
301	Transmission enhancement of a half-wave wall under extreme angles by synergy of double lorentz resonances.. <i>Optics Express</i> , <b>2022</b> , 30, 13745-13756	3.3	
300	Machine-learning-empowered multispectral metafilm with reduced radar cross section, low infrared emissivity, and visible transparency. <i>Photonics Research</i> , <b>2022</b> , 10, 1146	6	1
299	Ferroelectric composite artificially-structured functional material: multifield control for tunable functional devices. <i>Journal Physics D: Applied Physics</i> , <b>2022</b> , 55, 303002	3	0
298	The compatible method of designing the transparent ultra-broadband radar absorber with low infrared emissivity. <i>Infrared Physics and Technology</i> , <b>2022</b> , 123, 104114	2.7	1
297	Tailoring Circular Dichroism in an Isomeric Manner: Complete Control of Amplitude and Phase for High-Quality Hologram and Beam Forming. <i>Advanced Optical Materials</i> , <b>2022</b> , 10, 2101982	8.1	3
296	Greedy-algorithm-empowered design of wideband achromatic beam deflector based on spoof surface plasmon polariton mode. <i>European Physical Journal Plus</i> , <b>2022</b> , 137, 1	3.1	
295	Active Meta-Device for Dual-Transmission Windows with Tunable Angular Dispersion Characteristics. <i>Materials</i> , <b>2022</b> , 15, 3686	3.5	
294	Wideband side-lobe level suppression metamaterial based on foldable spoof surface plasmon polaritons. <i>Optics Express</i> , <b>2021</b> , 29, 41333	3.3	

293	Synergy of absorbing and diffusing for RCS reduction using spin-selective coding metasurfaces. <i>Applied Physics A: Materials Science and Processing</i> , <b>2021</b> , 127, 1	2.6	
292	A visible-light-transparent camouflage-compatible flexible metasurface for infrared radar stealth applications. <i>Journal Physics D: Applied Physics</i> , <b>2021</b> , 54, 015001	3	11
291	Composite metasurface merging frequency selective surface and coding sequences for electromagnetic transmission/diffusion. <i>Journal Physics D: Applied Physics</i> , <b>2021</b> , 54, 235304	3	2
290	Quasi-continuous linear phase-gradient metamaterial based on conformal spoof surface plasmon polaritons. <i>Optics Express</i> , <b>2021</b> , 29, 8666-8675	3.3	1
289	Tailoring Circular Dichroism for Simultaneous Control of Amplitude and Phase via Ohmic Dissipation Metasurface. <i>Advanced Optical Materials</i> , <b>2021</b> , 9, 2100140	8.1	9
288	Multidimensionally Manipulated Active Coding Metasurface by Merging Pancharatnam Berry Phase and Dynamic Phase. <i>Advanced Optical Materials</i> , <b>2021</b> , 9, 2100484	8.1	6
287	Ohmic Dissipation-Assisted Complex Amplitude Hologram with High Quality. <i>Advanced Optical Materials</i> , <b>2021</b> , 9, 2002242	8.1	9
286	Spin-selective corner reflector for retro-reflection and absorption by a circular dichroitic manner. <i>Photonics Research</i> , <b>2021</b> , 9, 726	6	3
285	Phase-to-pattern inverse design paradigm for fast realization of functional metasurfaces via transfer learning. <i>Nature Communications</i> , <b>2021</b> , 12, 2974	17.4	25
284	Genetic-algorithm-empowered metasurface design: simultaneous realization of high microwave frequency-selection and low infrared surface-emissivity. <i>Optics Express</i> , <b>2021</b> , 29, 20150-20159	3.3	1
283	Ultra wide-angle and broad-band metamaterial absorber based on magneto-electric dipole structure. <i>Journal Physics D: Applied Physics</i> , <b>2021</b> , 54, 335102	3	2
282	Thermally stable ultra-thin and refractory microwave absorbing coating. <i>Ceramics International</i> , <b>2021</b> , 47, 17337-17344	5.1	4
281	Ultra-wideband flexible transparent metamaterial with wide-angle microwave absorption and low infrared emissivity. <i>Optics Express</i> , <b>2021</b> , 29, 22108-22116	3.3	6
280	Orbital angular momentum generator with multiple retroreflection channels enabled by an angle-selective metasurface. <i>Optics Express</i> , <b>2021</b> , 29, 25022-25031	3.3	1
279	Stable permittivity and low loss Al <sub>2</sub> O <sub>3</sub> ceramic based metasurface achieves broadband polarization conversion at high temperature. <i>Ceramics International</i> , <b>2021</b> , 47, 7268-7271	5.1	
278	Programmable Coding Metasurface Reflector for Reconfigurable Multibeam Antenna Application. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2021</b> , 69, 296-301	4.9	12
277	Al <sub>2</sub> O <sub>3</sub> based ceramic with polarization controlled meta-structure for high-temperature broadband backward scattering manipulation. <i>Journal of Alloys and Compounds</i> , <b>2021</b> , 854, 157168	5.7	6
276	An FSS-backed reflective polarization conversion meta-surface for radar stealth. <i>Photonics and Nanostructures - Fundamentals and Applications</i> , <b>2021</b> , 43, 100846	2.6	

275	Broadband Anomalous Refractor Based on Dispersion Engineering of Spoof Surface Plasmon Polaritons. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2021</b> , 69, 3050-3055	4.9	2
274	Controllable Reflection-Enhancement Metasurfaces via Amplification Excitation of Transistor Circuit. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2021</b> , 69, 1477-1482	4.9	4
273	A transgenic genetic algorithm design method that helps to increase the design freedom of metasurfaces. <i>Journal Physics D: Applied Physics</i> , <b>2021</b> , 54, 135001	3	0
272	Absorptive frequency selective surface with two alternately switchable transmission/reflection bands. <i>Optics Express</i> , <b>2021</b> , 29, 4219-4229	3.3	12
271	Single-layer metasurface for ultra-wideband polarization conversion: bandwidth extension via Fano resonance. <i>Scientific Reports</i> , <b>2021</b> , 11, 585	4.9	7
270	A Frequency Selective Resorber by Engineering Transverse Standing Waves of Surface Current. <i>IEEE Access</i> , <b>2021</b> , 9, 51703-51709	3.5	2
269	Broadband Surface Waves Couplers with Adjustable Excitation Modes and Controllable Wavefront Directions Utilizing Integrated Pancharatnam-Berry Phase Gradient Metasurfaces. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2021</b> , 1-1	4.9	3
268	Achieving Broadband Spin-Correlated Asymmetric Reflection Using a Circular Dichroitic Meta-Mirror. <i>Annalen Der Physik</i> , <b>2021</b> , 533, 2000515	2.6	3
267	Near-Omnidirectional Broadband Metamaterial Absorber for TM-Polarized Wave Based on Radiation Pattern Synthesis. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2021</b> , 1-1	4.9	4
266	Tunable Frequency Selective Surface With Angular Stability. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2021</b> , 1-1	3.8	3
265	Multifunctional full-space metasurface controlled by frequency, polarization and incidence angle. <i>Optics Express</i> , <b>2021</b> , 29, 7544-7557	3.3	7
264	Compatible stealth design of infrared and radar based on plasmonic absorption structure. <i>Optics Express</i> , <b>2021</b> , 29, 28767-28777	3.3	3
263	Synthesized optimal design via Parallel Genetic Algorithm of multispectral metasurfaces with ultra-wideband microwave absorption, low infrared emissivity and visible transparency. <i>Infrared Physics and Technology</i> , <b>2021</b> , 117, 103826	2.7	3
262	Composite Frequency Selective Structure With the Integrated Functionality of Transmission, Absorption, and Scattering. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2021</b> , 20, 1819-1823	3.8	1
261	Coupling-inspired metasurfaces for polarization-correlation customizable absorption. <i>New Journal of Physics</i> , <b>2021</b> , 23, 093034	2.9	
260	Broadband surface wave coupler with low infrared emission and microwave reflection. <i>Optics Express</i> , <b>2021</b> , 29, 35490-35500	3.3	0
259	Multifunctional ultra-thin metasurface with low infrared emissivity, microwave absorption and high optical transmission. <i>Optics Communications</i> , <b>2021</b> , 500, 127327	2	2
258	Wideband RCS reduction of thin metallic edges mediated by spoof surface plasmon polaritons. <i>EPJ Applied Metamaterials</i> , <b>2021</b> , 8, 8	0.8	

257	Malposed spoof surface plasmon structure with enhanced microwave absorption and compressive performances realized by carbon-based foams. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , <b>2020</b> , 262, 114787	3.1	0
256	Loss-Assisted Metasurface at an Exceptional Point. <i>ACS Photonics</i> , <b>2020</b> , 7, 3321-3327	6.3	8
255	Multi-spectral functional metasurface simultaneously with visible transparency, low infrared emissivity and wideband microwave absorption. <i>Infrared Physics and Technology</i> , <b>2020</b> , 110, 103469	2.7	15
254	Integrated design of single-layer multispectral metasurface with broadband microwave polarization rotation and low infrared emissivity. <i>Infrared Physics and Technology</i> , <b>2020</b> , 111, 103546	2.7	4
253	Centrosymmetric topology optimization design achieves ultra-broadband polarization conversion and its further application. <i>Journal Physics D: Applied Physics</i> , <b>2020</b> , 53, 335001	3	3
252	Dual-band broadside radiation antenna via near-field electric and magnetic couplings of nested metamaterial resonators. <i>Microwave and Optical Technology Letters</i> , <b>2020</b> , 62, 3225-3231	1.2	1
251	Metasurface design by a Hopfield network: finding a customized phase response in a broadband. <i>Journal Physics D: Applied Physics</i> , <b>2020</b> , 53, 415001	3	1
250	Multi-functional sandwich structure with metamaterial antenna lattice cores: protection, radiation and absorption. <i>IET Microwaves, Antennas and Propagation</i> , <b>2020</b> , 14, 593-599	1.6	3
249	Wideband RCS Reduction Metasurface With a Transmission Window. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2020</b> , 68, 7079-7087	4.9	20
248	Absorptive/transmissive integrated frequency selective structure based on lumped resistance elements. <i>IET Microwaves, Antennas and Propagation</i> , <b>2020</b> , 14, 159-162	1.6	3
247	Wide-Angle Frequency Scanning Metasurface Antenna Fed by Spoof Plasmonic Waveguide. <i>IEEE Access</i> , <b>2020</b> , 8, 103635-103641	3.5	1
246	Metasurface inverse design using machine learning approaches. <i>Journal Physics D: Applied Physics</i> , <b>2020</b> , 53, 275105	3	20
245	Wideband Absorbing Plasmonic Structures via Profile Optimization Based on Genetic Algorithm. <i>Frontiers in Physics</i> , <b>2020</b> , 8,	3.9	6
244	High temperature absorbing coatings with excellent performance combined Al <sub>2</sub> O <sub>3</sub> and TiC material. <i>Journal of the European Ceramic Society</i> , <b>2020</b> , 40, 2013-2019	6	13
243	Circularly Polarized Spin-Selectivity Absorbing Coding Phase Gradient Metasurface for RCS Reduction. <i>Advanced Theory and Simulations</i> , <b>2020</b> , 3, 1900217	3.5	10
242	Dual-band miniaturised FSS with stable resonance frequencies of 3.4/4.9 GHz for 5G communication systems applications. <i>IET Microwaves, Antennas and Propagation</i> , <b>2020</b> , 14, 1-6	1.6	5
241	. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2020</b> , 68, 1332-1347	4.9	44
240	Spoof surface plasmon polaritons realized by unidirectional carbon fibers arrays and applications in structure/function integrated sandwich structure. <i>Results in Physics</i> , <b>2020</b> , 17, 103081	3.7	1

239	Optically transparent coding metasurface with simultaneously low infrared emissivity and microwave scattering reduction. <i>Optics Express</i> , <b>2020</b> , 28, 27774-27784	3-3	12
238	Overcome chromatism of metasurface via Greedy Algorithm empowered by self-organizing map neural network. <i>Optics Express</i> , <b>2020</b> , 28, 35724-35733	3-3	3
237	Polarization-independent multi-channel retroreflective metasurfaces based on extraordinary optical diffraction. <i>Optics Express</i> , <b>2020</b> , 28, 37276-37283	3-3	3
236	Multi-domain functional metasurface with selectivity of polarization in operation frequency and time. <i>Journal Physics D: Applied Physics</i> , <b>2020</b> , 53, 495003	3	2
235	Planar multi-angle retro-reflectors based on the wave-vector-reversion of spoof surface plasmon polaritons. <i>Optics Express</i> , <b>2020</b> , 28, 37236-37248	3-3	1
234	Dispersive Brewster effect on dielectrics interfaces modulated by spoof surface plasmon polaritons. <i>Journal Physics D: Applied Physics</i> , <b>2020</b> , 53, 215003	3	
233	Multiplexing the aperture of a metasurface: inverse design via deep-learning-forward genetic algorithm. <i>Journal Physics D: Applied Physics</i> , <b>2020</b> , 53, 455002	3	7
232	An optically transparent sandwich structure for radar-infrared bi-stealth. <i>Infrared Physics and Technology</i> , <b>2020</b> , 105, 103108	2-7	16
231	Extraordinary spoof surface plasmon polaritons excitation by linear and circular polarization conversions phase gradient metasurface. <i>Journal Physics D: Applied Physics</i> , <b>2020</b> , 53, 045003	3	6
230	A thin dielectric ceramic coating with good absorbing properties composed by tungsten carbide and alumina. <i>Journal of Alloys and Compounds</i> , <b>2020</b> , 818, 152851	5-7	10
229	A three-dimensional frequency selective structure based on the modes coupling of spoof surface plasmon and waveguide transmission. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , <b>2020</b> , 384, 126103	2-3	3
228	Multi-octave radar cross section reduction via integrated dispersion engineering of polarization-conversion metasurface and metamaterial absorber. <i>Journal Physics D: Applied Physics</i> , <b>2020</b> , 53, 03LT01	3	5
227	Emulating nonreciprocity via direction-dependent excitation of spoof surface plasmon polaritons. <i>Journal Physics D: Applied Physics</i> , <b>2020</b> , 53, 015113	3	2
226	Transmission-absorption integrated structure via dispersion engineering of spoof surface plasmon polariton and frequency-selective surface. <i>Journal Physics D: Applied Physics</i> , <b>2020</b> , 53, 085001	3	5
225	Multifield-Inspired Tunable Carrier Effects Based on Ferroelectric-Silicon PN Heterojunction. <i>Advanced Electronic Materials</i> , <b>2020</b> , 6, 1900795	6-4	9
224	Obtaining single mode spoof surface plasmon polaritons under circular polarized incidence. <i>Journal Physics D: Applied Physics</i> , <b>2020</b> , 53, 115003	3	3
223	An optical-transparent metamaterial for high-efficiency microwave absorption and low infrared emission. <i>Journal Physics D: Applied Physics</i> , <b>2020</b> , 53, 135109	3	18
222	Compact High-Efficiency Resonator Antennas Based on Dispersion Engineering of Even-Mode Spoof Surface Plasmon Polaritons. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2020</b> , 68, 2557-2564	4-9	6

221	Design of 3D broad-band and wide-angle absorber based on resistive metamaterial and magnetic absorbing material. <i>Journal Physics D: Applied Physics</i> , <b>2020</b> , 53, 095304	3	2
220	Passive reconfigurable coding metasurface for broadband manipulation of reflective amplitude, phase and polarization states. <i>Smart Materials and Structures</i> , <b>2020</b> , 29, 015029	3.4	0
219	Multi-Spectral Metasurface With High Optical Transparency, Low Infrared Surface Emissivity, and Wideband Microwave Absorption. <i>Frontiers in Physics</i> , <b>2020</b> , 8,	3.9	3
218	Multiple working mechanism metasurface with high optical transparency, low infrared emissivity and microwave reflective reduction. <i>Infrared Physics and Technology</i> , <b>2020</b> , 111, 103524	2.7	6
217	Achieving broadband RCS reduction using carbon fiber connected composite via scattering mechanism. <i>Composites Science and Technology</i> , <b>2020</b> , 200, 108410	8.6	6
216	Wideband Absorption at Low Microwave Frequencies Assisted by Magnetic Squeezing in Metamaterials. <i>Frontiers in Physics</i> , <b>2020</b> , 8,	3.9	3
215	Bispectral Circular Dichroic Coding Metasurfaces. <i>Annalen Der Physik</i> , <b>2020</b> , 532, 1900496	2.6	2
214	Countering Single-Polarization Radar Based on Polarization Conversion Metamaterial. <i>IEEE Access</i> , <b>2020</b> , 8, 206783-206789	3.5	1
213	Shared-Aperture Antennas Based on Even- and Odd-Mode Spoof Surface Plasmon Polaritons. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2020</b> , 68, 3254-3258	4.9	17
212	Low-RCS Multi-Beam Metasurface-Inspired Antenna Based on PancharatnamBerry Phase. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2020</b> , 68, 1899-1906	4.9	6
211	Reducing RCS of Patch Antennas via Dispersion Engineering of Metamaterial Absorbers. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2020</b> , 68, 1419-1425	4.9	12
210	Design of Narrow Pass-band All-dielectric Metamaterial Frequency Selective Surface <b>2019</b> ,		1
209	A microwave absorption/transmission integrated sandwich structure based on composite corrugation channel: Design, fabrication and experiment. <i>Composite Structures</i> , <b>2019</b> , 229, 111425	5.3	12
208	A Broadband Wide-Angle Synthetical Absorber Designed by Topology Optimization of Resistance Surface and Metal Wires. <i>IEEE Access</i> , <b>2019</b> , 7, 142675-142681	3.5	14
207	A hybrid encoding method for frequency selective surface optimization design with angular stability property. <i>Applied Physics A: Materials Science and Processing</i> , <b>2019</b> , 125, 1	2.6	1
206	Tunable spoof surface plasmon polariton transmission line based on ferroelectric thick film. <i>Applied Physics A: Materials Science and Processing</i> , <b>2019</b> , 125, 1	2.6	1
205	Absorption-transmission-integrated frequency selective structure based on spoof surface plasmon polariton modes. <i>Journal Physics D: Applied Physics</i> , <b>2019</b> , 52, 155103	3	1
204	Efficient orbital angular momentum vortex beam generation by generalized coding metasurface. <i>Applied Physics A: Materials Science and Processing</i> , <b>2019</b> , 125, 1	2.6	12

203	. <i>IEEE Access</i> , <b>2019</b> , 7, 76042-76048	3.5	4
202	Ultra-wideband microwave absorber via an integrated metasurface and impedance-matching lattice design. <i>Journal Physics D: Applied Physics</i> , <b>2019</b> , 52, 31LT01	3	5
201	Miniaturized suspended strip-line bandpass filter based on spoof surface plasmon polaritons. <i>Journal Physics D: Applied Physics</i> , <b>2019</b> , 52, 325101	3	3
200	Multi-Beam Metasurface Antenna by Combining Phase Gradients and Coding Sequences. <i>IEEE Access</i> , <b>2019</b> , 7, 62087-62094	3.5	10
199	Deep Learning: A Rapid and Efficient Route to Automatic Metasurface Design. <i>Advanced Science</i> , <b>2019</b> , 6, 1900128	13.6	122
198	Design of a Self-Complementary Frequency Selective Surface With Multi-Band Polarization Separation Characteristic. <i>IEEE Access</i> , <b>2019</b> , 7, 36788-36799	3.5	6
197	Electromagnetic reflection reduction of carbon composite materials mediated by collaborative mechanisms. <i>Carbon</i> , <b>2019</b> , 147, 112-119	10.4	10
196	A circular-polarized metasurface planar reflector antenna based on PancharatnamBerry phase. <i>Applied Physics A: Materials Science and Processing</i> , <b>2019</b> , 125, 1	2.6	4
195	Plasmonic absorbing structure using horizontal bent-wire array for low-frequency absorption enhancement. <i>Optics Communications</i> , <b>2019</b> , 443, 90-95	2	5
194	Vortex beam generated by circular-polarized metasurface reflector antenna. <i>Journal Physics D: Applied Physics</i> , <b>2019</b> , 52, 255306	3	21
193	Recent developments of metamaterials/metasurfaces for RCS reduction. <i>EPJ Applied Metamaterials</i> , <b>2019</b> , 6, 15	0.8	9
192	Overcoming the Pixel-Density Limit in Plasmonic Absorbing Structure for Broadband Absorption Enhancement. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2019</b> , 18, 674-678	3.8	5
191	Wideband Coding metasurfaces based on low Q resonators. <i>Optics Communications</i> , <b>2019</b> , 430, 189-194	2	3
190	Design and analysis of multi-band polarisation selective metasurface. <i>IET Microwaves, Antennas and Propagation</i> , <b>2019</b> , 13, 1602-1609	1.6	4
189	An FSS-Backed Dual-Band Reflective Polarization Conversion Metasurface. <i>IEEE Access</i> , <b>2019</b> , 7, 104435-104442	3.9	7
188	Achieving circular-to-linear polarization conversion and beam deflection simultaneously using anisotropic coding metasurfaces. <i>Scientific Reports</i> , <b>2019</b> , 9, 12264	4.9	7
187	Frequency-Selective Structure With Transmission and Scattering Deflection Based on Spoof Surface Plasmon Polariton Modes. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2019</b> , 67, 6508-6514	4.9	14
186	A frequency-scanning antenna based on hybridization of the quasi-TEM mode and spoof surface plasmon polaritons mode. <i>Journal Physics D: Applied Physics</i> , <b>2019</b> , 52, 38LT01	3	12

185	Low-RCS and High-Gain Circularly Polarized Metasurface Antenna. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2019</b> , 67, 7197-7203	4.9	22
184	Hybrid Metasurfaces for Infrared-Multiband Radar Stealth-Compatible Materials Applications. <i>IEEE Access</i> , <b>2019</b> , 7, 147586-147595	3.5	27
183	Spin-to-Orbital Angular Momentum Conversion with Quasi-Continuous Spatial Phase Response. <i>Advanced Optical Materials</i> , <b>2019</b> , 7, 1901188	8.1	22
182	Design and analysis of dual-band polarization-selective metasurface. <i>Applied Physics A: Materials Science and Processing</i> , <b>2019</b> , 125, 1	2.6	2
181	eWideband transmission enhancement of electromagnetic waves through high-permittivity ceramics via magnetic metamaterial films. <i>Materials Research Express</i> , <b>2019</b> , 6, 115805	1.7	
180	Broadband Tunable Metamaterial Absorber Based on U-shaped Ferrite Structure. <i>IEEE Access</i> , <b>2019</b> , 7, 150969-150975	3.5	14
179	Full-space-manipulated multifunctional coding metasurface based on "Fabry-Pérot-like" cavity. <i>Optics Express</i> , <b>2019</b> , 27, 21520-21531	3.3	14
178	Multistage dispersion engineering in a three-dimensional plasmonic structure for outstanding broadband absorption. <i>Optical Materials Express</i> , <b>2019</b> , 9, 1539	2.6	6
177	Adjustable Dual-frequency FSS-amplifier Metasurface <b>2019</b> ,		1
176	Groundless Endfire Antennas Based on Spoof Surface Plasmon Polaritons <b>2019</b> ,		1
175	Realizing high comprehensive energy storage performance in lead-free bulk ceramics via designing an unmatched temperature range. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 27256-27266	13	122
174	Ultra-wideband side-lobe level suppression using amplitude-adjustable metasurfaces. <i>Journal Physics D: Applied Physics</i> , <b>2019</b> , 52, 065102	3	4
173	Lightweight ultra-wideband radar cross section reduction structure using double-layer metasurfaces. <i>Journal Physics D: Applied Physics</i> , <b>2019</b> , 52, 115103	3	7
172	Metamaterial anti-reflection lining for enhancing transmission of high-permittivity plate. <i>Journal Physics D: Applied Physics</i> , <b>2019</b> , 52, 03LT01	3	1
171	Synthetic design for a microwave absorber and antireflection to achieve wideband scattering reduction. <i>Journal Physics D: Applied Physics</i> , <b>2019</b> , 52, 035103	3	7
170	Multiform frequency selective surfaces optimal design based on topology optimization. <i>International Journal of RF and Microwave Computer-Aided Engineering</i> , <b>2019</b> , 29, e21491	1.5	4
169	A thermally tunable THz metamaterial frequency-selective surface based on barium strontium titanate thin film. <i>Journal Physics D: Applied Physics</i> , <b>2019</b> , 52, 045301	3	7
168	Synthetical dispersion engineering in plasmonic metamaterial absorber for broadband absorption enhancement. <i>Journal Physics D: Applied Physics</i> , <b>2019</b> , 52, 085103	3	7

167	Wideband Frequency Scanning Spoof Surface Plasmon Polariton Planar Antenna Based on Transmissive Phase Gradient Metasurface. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2018</b> , 17, 463-467	3.8	32
166	Water-based metamaterial absorbers for optical transparency and broadband microwave absorption. <i>Journal of Applied Physics</i> , <b>2018</b> , 123, 155106	2.5	55
165	Optical transparent infrared high absorption metamaterial absorbers. <i>Journal of Advanced Dielectrics</i> , <b>2018</b> , 08, 1850007	1.3	7
164	Spoof surface plasmon polaritons excitation and wavefront control by PancharatnamBerry phase manipulating metasurface. <i>Journal Physics D: Applied Physics</i> , <b>2018</b> , 51, 215302	3	6
163	Carbon fiber assisted glass fabric composite materials for broadband radar cross section reduction. <i>Composites Science and Technology</i> , <b>2018</b> , 158, 19-25	8.6	16
162	Absorptive coding metasurface for further radar cross section reduction. <i>Journal Physics D: Applied Physics</i> , <b>2018</b> , 51, 065603	3	42
161	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
160	Frequency Scanning Radiation by Decoupling Spoof Surface Plasmon Polaritons via Phase Gradient Metasurface. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2018</b> , 66, 203-208	4.9	71
159	Circulation of spoof surface plasmon polaritons: Implementation and verification. <i>AIP Advances</i> , <b>2018</b> , 8, 055002	1.5	3
158	Broadband infrared metamaterial absorber based on anodic aluminum oxide template. <i>Optics and Laser Technology</i> , <b>2018</b> , 101, 177-182	4.2	4
157	Thermally Tunable Ultra-wideband Metamaterial Absorbers based on Three-dimensional Water-substrate construction. <i>Scientific Reports</i> , <b>2018</b> , 8, 4423	4.9	25
156	Ultra-thin and -broadband microwave magnetic absorber enhanced by phase gradient metasurface incorporation. <i>Journal Physics D: Applied Physics</i> , <b>2018</b> , 51, 215001	3	11
155	Electromagnetic wave absorption and compressive behavior of a three-dimensional metamaterial absorber based on 3D printed honeycomb. <i>Scientific Reports</i> , <b>2018</b> , 8, 4817	4.9	62
154	Metamaterial absorber for frequency selective thermal radiation. <i>Infrared Physics and Technology</i> , <b>2018</b> , 88, 133-138	2.7	25
153	Tailoring multi-order absorptions of a Salisbury screen based on dispersion engineering of spoof surface plasmon polariton. <i>Journal Physics D: Applied Physics</i> , <b>2018</b> , 51, 315103	3	5
152	Reducing reflection of bandpass frequency selective surface using checkerboard surface. <i>Journal Physics D: Applied Physics</i> , <b>2018</b> , 51, 365103	3	3
151	Fast optimization method of designing a wideband metasurface without using the Pancharatnam-Berry phase. <i>Optics Express</i> , <b>2018</b> , 26, 1443-1451	3.3	22
150	Hybrid metasurfaces for microwave reflection and infrared emission reduction. <i>Optics Express</i> , <b>2018</b> , 26, 11950-11958	3.3	40

149	Transparent broadband metamaterial absorber enhanced by water-substrate incorporation. <i>Optics Express</i> , <b>2018</b> , 26, 15665-15674	3.3	62
148	Three-Dimensional Resistive Metamaterial Absorber Loaded with Metallic Resonators for the Enhancement of Lower-Frequency Absorption. <i>Materials</i> , <b>2018</b> , 11,	3.5	10
147	All-Dielectric Frequency Selective Surface Based on 3D Printing Materials (Phys. Status Solidi A 140018). <i>Physica Status Solidi (A) Applications and Materials Science</i> , <b>2018</b> , 215, 1870031	1.6	
146	Two-dimensional coding phase gradient metasurface for RCS reduction. <i>Journal Physics D: Applied Physics</i> , <b>2018</b> , 51, 375103	3	29
145	Wideband planar retro-reflective metasurfaces for backscattering enhancement under oblique incidence. <i>Journal Physics D: Applied Physics</i> , <b>2018</b> , 51, 335103	3	9
144	Anisotropic transmissive coding metamaterials based on dispersion modulation of spoof surface plasmon polaritons. <i>Journal Physics D: Applied Physics</i> , <b>2018</b> , 51, 245104	3	1
143	Preparation and Ablation Properties of W/TaC Cermet via in-situ Reaction Sintering Process. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , <b>2018</b> , 33, 431-436	1	0
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139	Dispersion engineering of metasurfaces for supporting both TM and TE spoof surface plasmon polariton. <i>Journal Physics D: Applied Physics</i> , <b>2018</b> , 51, 045109	3	11
138	Hyperbolic Metasurface at Microwave Frequency for Spoof Surface Plasmon Polaritons <b>2018</b> ,		1
137	Wideband Polarization Conversion with the Synergy of Waveguide and Spoof Surface Plasmon Polariton Modes. <i>Physical Review Applied</i> , <b>2018</b> , 10,	4.3	21
136	Integrating absorber with non-planar plasmonic structure for k-vector matching absorption enhancement. <i>Journal of Applied Physics</i> , <b>2018</b> , 124, 225101	2.5	13
135	Design of an absorption-transmission-integrated frequency selective surface using a waveguide array. <i>AIP Advances</i> , <b>2018</b> , 8, 095024	1.5	2
134	Transparent absorption-diffusion-integrated water-based all-dielectric metasurface for broadband backward scattering reduction. <i>Journal Physics D: Applied Physics</i> , <b>2018</b> , 51, 485301	3	12
133	Wide-angle flat metasurface corner reflector. <i>Applied Physics Letters</i> , <b>2018</b> , 113, 143504	3.4	19
132	Fast coding method of metasurfaces based on 1D coding in orthogonal directions. <i>Journal Physics D: Applied Physics</i> , <b>2018</b> , 51, 475103	3	10

131	Independent excitation of spoof surface plasmon polaritons for orthogonal linear polarized incidences. <i>Applied Physics A: Materials Science and Processing</i> , <b>2018</b> , 124, 1	2.6	7
130	Transparent and broadband absorption-diffusion-integrated low-scattering metamaterial by standing-up lattice. <i>Optics Express</i> , <b>2018</b> , 26, 28363-28375	3.3	20
129	Low RCS Antennas Based on Dispersion Engineering of Spoof Surface Plasmon Polaritons. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2018</b> , 66, 7111-7116	4.9	27
128	Design of triple-band-pass frequency selective structure based on spoof surface plasmon polariton. <i>AIP Advances</i> , <b>2018</b> , 8, 095211	1.5	4
127	Goos-Hänchen shift in metallic gratings assisted by phase gradient metasurfaces. <i>Materials Research Express</i> , <b>2018</b> , 5, 125802	1.7	2
126	Merging bands of polarization convertors by suppressing Fano resonance. <i>Applied Physics Letters</i> , <b>2018</b> , 113, 101901	3.4	17
125	Fast switching soluble electrochromic polymers obtained from a 4,9-Dihydro-s-indaceno[1,2-b:5,6-b']dithiophene-embedded system. <i>Synthetic Metals</i> , <b>2018</b> , 242, 29-36	3.6	13
124	Design of Frequency Selective Surface Based on Spoof Surface Plasmon Polariton Modes. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2018</b> , 17, 1123-1126	3.8	9
123	All-Dielectric Frequency Selective Surface Based on 3D Printing Materials. <i>Physica Status Solidi (A) Applications and Materials Science</i> , <b>2018</b> , 215, 1700840	1.6	1
122	Real-time waveform modulator based on dispersion engineering of magnetic surface plasmons. <i>Journal of Applied Physics</i> , <b>2018</b> , 123, 245106	2.5	
121	Merging absorption bands of plasmonic structures via dispersion engineering. <i>Applied Physics Letters</i> , <b>2018</b> , 112, 254103	3.4	27
120	Miniaturized-Element Offset-Feed Planar Reflector Antennas Based on Metasurfaces. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2017</b> , 16, 282-285	3.8	15
119	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
118	High-efficiency tri-band quasi-continuous phase gradient metamaterials based on spoof surface plasmon polaritons. <i>Scientific Reports</i> , <b>2017</b> , 7, 40727	4.9	9
117	Multibeam Antennas Based on Spoof Surface Plasmon Polaritons Mode Coupling. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2017</b> , 65, 1187-1192	4.9	76
116	High-efficiency real-time waveform modulator for free space waves based on dispersion engineering of spoof surface plasmon polaritons. <i>Journal Physics D: Applied Physics</i> , <b>2017</b> , 50, 215104	3	10
115	Wideband, wide-angle coding phase gradient metasurfaces based on Pancharatnam-Berry phase. <i>Scientific Reports</i> , <b>2017</b> , 7,	4.9	78
114	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

113	All-dielectric metamaterial frequency selective surface based on spatial arrangement ceramic resonators. <i>Journal of Advanced Dielectrics</i> , <b>2017</b> , 07, 1750009	1.3	4
112	A reflective-backing-free metamaterial absorber with broadband response. <i>Journal of Advanced Dielectrics</i> , <b>2017</b> , 07, 1750016	1.3	3
111	Decoupling technique of patch antenna arrays with shared substrate by suppressing near-field magnetic coupling using magnetic metamaterials. <i>Chinese Physics B</i> , <b>2017</b> , 26, 047301	1.2	0
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109	All-dielectric metamaterial frequency selective surface. <i>Journal of Advanced Dielectrics</i> , <b>2017</b> , 07, 1730002	2.3	5
108	Broadband spoof surface plasmon polaritons coupler based on dispersion engineering of metamaterials. <i>Applied Physics Letters</i> , <b>2017</b> , 111, 151904	3.4	24
107	Retro-reflective metasurfaces for backscattering enhancement under oblique incidence. <i>AIP Advances</i> , <b>2017</b> , 7, 105315	1.5	11
106	Broadband aberration-free focusing reflector for acoustic waves. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , <b>2017</b> , 381, 3599-3603	2.3	5
105	Broadband reflectionless metamaterials with customizable absorption/transmission-integrated performance. <i>Applied Physics A: Materials Science and Processing</i> , <b>2017</b> , 123, 1	2.6	18
104	Ultra-broadband co-polarization anomalous reflection metasurface. <i>Applied Physics A: Materials Science and Processing</i> , <b>2017</b> , 123, 1	2.6	11
103	Methods for designing all-dielectric frequency selective surface via dielectric materials. <i>Physica Status Solidi (A) Applications and Materials Science</i> , <b>2017</b> , 214, 1700168	1.6	2
102	Dual-band tunable infrared metamaterial absorber with VO <sub>2</sub> conformal resonators. <i>Optics Communications</i> , <b>2017</b> , 402, 518-522	2	13
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100	Potassium/Barium niobate based lead-free ceramics: novel electrical energy storage materials. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 554-563	13	331
99	Circulator Based on Spoof Surface Plasmon Polaritons. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2017</b> , 16, 821-824	3.8	22
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96	Broadband circulator based on spoof surface plasmon polaritons. <i>Journal Physics D: Applied Physics</i> , <b>2016</b> , 49, 355002	3	10

95	Reconfigurable all-dielectric metamaterial frequency selective surface based on high-permittivity ceramics. <i>Scientific Reports</i> , <b>2016</b> , 6, 24178	4.9	20
94	Origami-inspired building block and parametric design for mechanical metamaterials. <i>Journal Physics D: Applied Physics</i> , <b>2016</b> , 49, 315302	3	12
93	Spatial k-dispersion engineering of spoof surface plasmon polaritons for customized absorption. <i>Scientific Reports</i> , <b>2016</b> , 6, 29429	4.9	66
92	A novel miniaturized dual-stop-band FSS for Wi-Fi application <b>2016</b> ,		6
91	Directional broadband absorption using three-dimensional metamaterials <b>2016</b> ,		1
90	Microwave birefringent metamaterials for polarization conversion based on spoof surface plasmon polariton modes. <i>Scientific Reports</i> , <b>2016</b> , 6, 34518	4.9	19
89	k-dispersion engineering of spoof surface plasmon polaritons for beam steering. <i>Optics Express</i> , <b>2016</b> , 24, 842-52	3.3	37
88	A Tri-Band, Highly Selective, Bandpass FSS Using Cascaded Multilayer Loop Arrays. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2016</b> , 64, 2046-2049	4.9	59
87	Two-dimensional QR-coded metamaterial absorber. <i>Applied Physics A: Materials Science and Processing</i> , <b>2016</b> , 122, 1	2.6	9
86	Extraordinary transmission of electromagnetic waves through sub-wavelength slot arrays mediated by spoof surface plasmon polaritons. <i>Applied Physics Letters</i> , <b>2016</b> , 108, 194101	3.4	14
85	High-efficiency polarization conversion based on spatial dispersion modulation of spoof surface plasmon polaritons. <i>Optics Express</i> , <b>2016</b> , 24, 24938-24946	3.3	13
84	. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2016</b> , 64, 3760-3765	4.9	21
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82	Enhancing isolation of antenna arrays by simultaneously blocking and guiding magnetic field lines using magnetic metamaterials. <i>Applied Physics Letters</i> , <b>2016</b> , 109, 153505	3.4	17
81	Symmetry-based coding method and synthesis topology optimization design of ultra-wideband polarization conversion metasurfaces. <i>Applied Physics Letters</i> , <b>2016</b> , 109, 014104	3.4	53
80	Broadband planar achromatic anomalous reflector based on dispersion engineering of spoof surface plasmon polariton. <i>Applied Physics Letters</i> , <b>2016</b> , 109, 211901	3.4	14
79	Polarization and angle insensitive dual-band bandpass frequency selective surface using all-dielectric metamaterials. <i>Journal of Applied Physics</i> , <b>2016</b> , 119, 134104	2.5	12
78	Achieving all-dielectric metamaterial band-pass frequency selective surface via high-permittivity ceramics. <i>Applied Physics Letters</i> , <b>2016</b> , 108, 122902	3.4	25

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75	Significantly enhanced recoverable energy storage density in potassiumBodium niobate-based lead free ceramics. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 13778-13785	13	290
74	An extremely wideband and lightweight metamaterial absorber. <i>Journal of Applied Physics</i> , <b>2015</b> , 117, 224503	2.5	44
73	Broadband unidirectional cloaks based on flat metasurface focusing lenses. <i>Journal Physics D: Applied Physics</i> , <b>2015</b> , 48, 335101	3	20
72	Polarization insensitive metamaterial absorber based on E-shaped all-dielectric structure. <i>Journal of Advanced Dielectrics</i> , <b>2015</b> , 05, 1550009	1.3	1
71	A Miniaturized Dual-Band FSS With Second-Order Response and Large Band Separation. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2015</b> , 14, 1602-1605	3.8	37
70	Topology optimization design of a lightweight ultra-broadband wide-angle resistance frequency selective surface absorber. <i>Journal Physics D: Applied Physics</i> , <b>2015</b> , 48, 215101	3	33
69	A wideband deflected reflection based on multiple resonances. <i>Applied Physics A: Materials Science and Processing</i> , <b>2015</b> , 120, 287-291	2.6	4
68	Broadband band-pass FSS using patch-wire-patch coupled structures <b>2015</b> ,		2
67	Ultra-thin quadri-band metamaterial absorber based on spiral structure. <i>Applied Physics A: Materials Science and Processing</i> , <b>2015</b> , 118, 443-447	2.6	33
66	Design of Super-Thin Cloaks With Arbitrary Shapes using Interconnected Patches. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2015</b> , 63, 384-389	4.9	6
65	Reflective frequency selective surface based on low-permittivity dielectric metamaterials. <i>Applied Physics Letters</i> , <b>2015</b> , 107, 211906	3.4	17
64	Phase random metasurfaces for broadband wide-angle radar cross section reduction. <i>Microwave and Optical Technology Letters</i> , <b>2015</b> , 57, 2813-2819	1.2	13
63	Broadband abnormal reflection based on a metal-backed gradient index liquid slab: an alternative to metasurfaces. <i>Journal Physics D: Applied Physics</i> , <b>2015</b> , 48, 245501	3	2
62	All-dielectric metamaterial frequency selective surfaces based on high-permittivity ceramic resonators. <i>Applied Physics Letters</i> , <b>2015</b> , 106, 212904	3.4	33
61	Gradient Metasurface With Both Polarization-Controlled Directional Surface Wave Coupling and Anomalous Reflection. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2015</b> , 14, 104-107	3.8	57
60	<b>2015</b> ,		3

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57	A single layer ultra-miniaturized FSS operating in VHF. <i>Photonics and Nanostructures - Fundamentals and Applications</i> , <b>2015</b> , 17, 1-9	2.6	10
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54	A band enhanced metamaterial absorber based on E-shaped all-dielectric resonators. <i>AIP Advances</i> , <b>2015</b> , 5, 017147	1.5	24
53	Multifrequency super-thin cloaks. <i>Photonics and Nanostructures - Fundamentals and Applications</i> , <b>2014</b> , 12, 130-137	2.6	4
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51	Wideband selective polarization conversion mediated by three-dimensional metamaterials. <i>Journal of Applied Physics</i> , <b>2014</b> , 115, 234506	2.5	19
50	A Novel Miniaturized Frequency Selective Surface With Stable Resonance. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2014</b> , 13, 639-641	3.8	52
49	Magnetic monopole-like response in metamaterials. <i>Photonics and Nanostructures - Fundamentals and Applications</i> , <b>2014</b> , 12, 429-436	2.6	3
48	Experimental Demonstration of An Absorptive/Transmissive FSS With Magnetic Material. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2014</b> , 13, 114-117	3.8	50
47	ULTRA-WIDE-BAND MICROWAVE COMPOSITE ABSORBERS BASED ON PHASE GRADIENT METASURFACES. <i>Progress in Electromagnetics Research M</i> , <b>2014</b> , 40, 9-18	0.6	14
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45	Achieving wideband polarization-independent anomalous reflection for linearly polarized waves with dispersionless phase gradient metasurfaces. <i>Journal Physics D: Applied Physics</i> , <b>2014</b> , 47, 425103	3	30
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41	Wideband radar cross section reduction using two-dimensional phase gradient metasurfaces. <i>Applied Physics Letters</i> , <b>2014</b> , 104, 221110	3.4	141
40	Ultra-wideband polarization conversion metasurfaces based on multiple plasmon resonances. <i>Journal of Applied Physics</i> , <b>2014</b> , 115, 154504	2.5	225
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29	A Triband Second-Order Frequency Selective Surface. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2011</b> , 10, 507-509	3.8	22
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20	Broadband three-dimensional diamond-shaped invisible cloaks composed of tetrahedral homogeneous blocks. <i>Journal Physics D: Applied Physics</i> , <b>2010</b> , 43, 305501	3 9
19	Numerical method of designing three-dimensional open cloaks with arbitrary boundary shapes. <i>Photonics and Nanostructures - Fundamentals and Applications</i> , <b>2010</b> , 8, 205-208	2.6 9
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16	Multiband left-handed metamaterials. <i>Applied Physics Letters</i> , <b>2009</b> , 95, 014105	3.4 33
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13	A polarization-dependent wide-angle three-dimensional metamaterial absorber. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2009</b> , 321, 2805-2809	2.8 15
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3	Full-Polarization Frequency Controlled Multimode Spoof Surface Plasmon Polaritons Excitation via Anisotropic Metastructure. <i>Advanced Optical Materials</i> , 2101369	8.1	1
2	A thermally robust and optically transparent infrared selective emitter for compatible camouflage. <i>Journal of Materials Chemistry C</i> ,	7.1	1
1	Six-Mode Orbital Angular Momentum Generator Enabled by Helicity-Assisted Full-Space Metasurface with Flexible Manipulation of Phase, Polarization, and Spatial Information. <i>Advanced Optical Materials</i> , 2102638	8.1	2