

Jia Fu Wang

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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	PotassiumSodium niobate based lead-free ceramics: novel electrical energy storage materials. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 554-563	13	331
309	Significantly enhanced recoverable energy storage density in potassiumSodium niobate-based lead free ceramics. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 13778-13785	13	290
308	Ultra-wideband polarization conversion metasurfaces based on multiple plasmon resonances. <i>Journal of Applied Physics</i> , 2014 , 115, 154504	2.5	225
307	Wideband radar cross section reduction using two-dimensional phase gradient metasurfaces. <i>Applied Physics Letters</i> , 2014 , 104, 221110	3.4	141
306	Broadband polarization rotator based on multi-order plasmon resonances and high impedance surfaces. <i>Journal of Applied Physics</i> , 2013 , 114, 074508	2.5	126
305	High-efficiency spoof plasmon polariton coupler mediated by gradient metasurfaces. <i>Applied Physics Letters</i> , 2012 , 101, 201104	3.4	126
304	Deep Learning: A Rapid and Efficient Route to Automatic Metasurface Design. <i>Advanced Science</i> , 2019 , 6, 1900128	13.6	122
303	Realizing high comprehensive energy storage performance in lead-free bulk ceramics via designing an unmatched temperature range. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 27256-27266	13	122
302	Achieving wide-band linear-to-circular polarization conversion using ultra-thin bi-layered metasurfaces. <i>Journal of Applied Physics</i> , 2015 , 117, 044501	2.5	118
301	Filter-Antenna Consisting of Conical FSS Radome and Monopole Antenna. <i>IEEE Transactions on Antennas and Propagation</i> , 2012 , 60, 3040-3045	4.9	103
300	Thermally tunable water-substrate broadband metamaterial absorbers. <i>Applied Physics Letters</i> , 2017 , 110, 104103	3.4	98
299	Material parameter equation for elliptical cylindrical cloaks. <i>Physical Review A</i> , 2008 , 77,	2.6	86
298	A Novel High-Directivity Microstrip Patch Antenna Based on Zero-Index Metamaterial. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2009 , 8, 538-541	3.8	81
297	Wideband, wide-angle coding phase gradient metasurfaces based on Pancharatnam-Berry phase. <i>Scientific Reports</i> , 2017 , 7,	4.9	78
296	Multibeam Antennas Based on Spoof Surface Plasmon Polaritons Mode Coupling. <i>IEEE Transactions on Antennas and Propagation</i> , 2017 , 65, 1187-1192	4.9	76
295	A Miniaturized Dual-Band FSS With Stable Resonance Frequencies of 2.4 GHz/5 GHz for WLAN Applications. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2014 , 13, 895-898	3.8	75
294	Frequency Scanning Radiation by Decoupling Spoof Surface Plasmon Polaritons via Phase Gradient Metasurface. <i>IEEE Transactions on Antennas and Propagation</i> , 2018 , 66, 203-208	4.9	71

293	Spatial k-dispersion engineering of spoof surface plasmon polaritons for customized absorption. <i>Scientific Reports</i> , 2016 , 6, 29429	4.9	66
292	Electromagnetic wave absorption and compressive behavior of a three-dimensional metamaterial absorber based on 3D printed honeycomb. <i>Scientific Reports</i> , 2018 , 8, 4817	4.9	62
291	Transparent broadband metamaterial absorber enhanced by water-substrate incorporation. <i>Optics Express</i> , 2018 , 26, 15665-15674	3.3	62
290	A Tri-Band, Highly Selective, Bandpass FSS Using Cascaded Multilayer Loop Arrays. <i>IEEE Transactions on Antennas and Propagation</i> , 2016 , 64, 2046-2049	4.9	59
289	Gradient Metasurface With Both Polarization-Controlled Directional Surface Wave Coupling and Anomalous Reflection. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2015 , 14, 104-107	3.8	57
288	The open cloak. <i>Applied Physics Letters</i> , 2009 , 94, 103501	3.4	57
287	Broadband cross polarization converter using plasmon hybridizations in a ring/disk cavity. <i>Optics Express</i> , 2014 , 22, 20973-81	3.3	56
286	Water-based metamaterial absorbers for optical transparency and broadband microwave absorption. <i>Journal of Applied Physics</i> , 2018 , 123, 155106	2.5	55
285	Symmetry-based coding method and synthesis topology optimization design of ultra-wideband polarization conversion metasurfaces. <i>Applied Physics Letters</i> , 2016 , 109, 014104	3.4	53
284	A Novel Miniaturized Frequency Selective Surface With Stable Resonance. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2014 , 13, 639-641	3.8	52
283	Experimental Demonstration of An Absorptive/Transmissive FSS With Magnetic Material. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2014 , 13, 114-117	3.8	50
282	An extremely wideband and lightweight metamaterial absorber. <i>Journal of Applied Physics</i> , 2015 , 117, 224503	2.5	44
281	. <i>IEEE Transactions on Antennas and Propagation</i> , 2020 , 68, 1332-1347	4.9	44
280	Numerical method for designing approximate cloaks with arbitrary shapes. <i>Physical Review E</i> , 2008 , 78, 036608	2.4	44
279	Absorptive coding metasurface for further radar cross section reduction. <i>Journal Physics D: Applied Physics</i> , 2018 , 51, 065603	3	42
278	Experimental realization of all-dielectric composite cubes/rods left-handed metamaterial. <i>Journal of Applied Physics</i> , 2011 , 109, 084918	2.5	42
277	Broadband planar left-handed metamaterials using split-ring resonator pairs. <i>Photonics and Nanostructures - Fundamentals and Applications</i> , 2009 , 7, 108-113	2.6	41
276	Hybrid metasurfaces for microwave reflection and infrared emission reduction. <i>Optics Express</i> , 2018 , 26, 11950-11958	3.3	40

275	A Miniaturized Dual-Band FSS With Second-Order Response and Large Band Separation. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2015 , 14, 1602-1605	3.8	37
274	k-dispersion engineering of spoof surface plasmon polaritons for beam steering. <i>Optics Express</i> , 2016 , 24, 842-52	3.3	37
273	Approximation approach of designing practical cloaks with arbitrary shapes. <i>Optics Express</i> , 2008 , 16, 15449-54	3.3	37
272	General method for designing wave shape transformers. <i>Optics Express</i> , 2008 , 16, 22072-82	3.3	36
271	Topology optimization design of a lightweight ultra-broadband wide-angle resistance frequency selective surface absorber. <i>Journal Physics D: Applied Physics</i> , 2015 , 48, 215101	3	33
270	Ultra-thin quadri-band metamaterial absorber based on spiral structure. <i>Applied Physics A: Materials Science and Processing</i> , 2015 , 118, 443-447	2.6	33
269	All-dielectric metamaterial frequency selective surfaces based on high-permittivity ceramic resonators. <i>Applied Physics Letters</i> , 2015 , 106, 212904	3.4	33
268	Multiband left-handed metamaterials. <i>Applied Physics Letters</i> , 2009 , 95, 014105	3.4	33
267	Wideband Frequency Scanning Spoof Surface Plasmon Polariton Planar Antenna Based on Transmissive Phase Gradient Metasurface. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2018 , 17, 463-467	3.8	32
266	Super-Thin Cloaks Based on Microwave Networks. <i>IEEE Transactions on Antennas and Propagation</i> , 2013 , 61, 748-754	4.9	32
265	Origami-inspired metamaterial absorbers for improving the larger-incident angle absorption. <i>Journal Physics D: Applied Physics</i> , 2015 , 48, 445008	3	31
264	A WIDE-BAND, POLARIZATION-INSENSITIVE AND WIDE-ANGLE TERAHERTZ METAMATERIAL ABSORBER. <i>Progress in Electromagnetics Research Letters</i> , 2010 , 17, 171-179	0.5	31
263	A Controllable Magnetic Metamaterial: Split-Ring Resonator With Rotated Inner Ring. <i>IEEE Transactions on Antennas and Propagation</i> , 2008 , 56, 2018-2022	4.9	31
262	Achieving wideband polarization-independent anomalous reflection for linearly polarized waves with dispersionless phase gradient metasurfaces. <i>Journal Physics D: Applied Physics</i> , 2014 , 47, 425103	3	30
261	Two-dimensional coding phase gradient metasurface for RCS reduction. <i>Journal Physics D: Applied Physics</i> , 2018 , 51, 375103	3	29
260	The effects of Bi(Mg _{2/3} Nb _{1/3})O ₃ on piezoelectric and ferroelectric properties of K _{0.5} Na _{0.5} NbO ₃ lead-free piezoelectric ceramics. <i>Journal of Alloys and Compounds</i> , 2011 , 509, 3537-3540	5.7	29
259	Normal-incidence left-handed metamaterials based on symmetrically connected split-ring resonators. <i>Physical Review E</i> , 2010 , 81, 036601	2.4	28
258	Ultra-wideband transparent 90° polarization conversion metasurfaces. <i>Applied Physics A: Materials Science and Processing</i> , 2016 , 122, 1	2.6	28

257	Hybrid Metasurfaces for Infrared-Multiband Radar Stealth-Compatible Materials Applications. <i>IEEE Access</i> , 2019 , 7, 147586-147595	3.5	27
256	Low RCS Antennas Based on Dispersion Engineering of Spoof Surface Plasmon Polaritons. <i>IEEE Transactions on Antennas and Propagation</i> , 2018 , 66, 7111-7116	4.9	27
255	Merging absorption bands of plasmonic structures via dispersion engineering. <i>Applied Physics Letters</i> , 2018 , 112, 254103	3.4	27
254	Achromatic flat focusing lens based on dispersion engineering of spoof surface plasmon polaritons. <i>Applied Physics Letters</i> , 2017 , 110, 203507	3.4	26
253	Thermally Tunable Ultra-wideband Metamaterial Absorbers based on Three-dimensional Water-substrate construction. <i>Scientific Reports</i> , 2018 , 8, 4423	4.9	25
252	Metamaterial absorber for frequency selective thermal radiation. <i>Infrared Physics and Technology</i> , 2018 , 88, 133-138	2.7	25
251	Phase-to-pattern inverse design paradigm for fast realization of functional metasurfaces via transfer learning. <i>Nature Communications</i> , 2021 , 12, 2974	17.4	25
250	Achieving all-dielectric metamaterial band-pass frequency selective surface via high-permittivity ceramics. <i>Applied Physics Letters</i> , 2016 , 108, 122902	3.4	25
249	BroadBand spoof surface plasmon polaritons coupler based on dispersion engineering of metamaterials. <i>Applied Physics Letters</i> , 2017 , 111, 151904	3.4	24
248	A band enhanced metamaterial absorber based on E-shaped all-dielectric resonators. <i>AIP Advances</i> , 2015 , 5, 017147	1.5	24
247	Super-thin cloaks mediated by spoof surface plasmons. <i>Photonics and Nanostructures - Fundamentals and Applications</i> , 2012 , 10, 540-546	2.6	24
246	Fast optimization method of designing a wideband metasurface without using the Pancharatnam-Berry phase. <i>Optics Express</i> , 2018 , 26, 1443-1451	3.3	22
245	Low-RCS and High-Gain Circularly Polarized Metasurface Antenna. <i>IEEE Transactions on Antennas and Propagation</i> , 2019 , 67, 7197-7203	4.9	22
244	Spin-to-Orbital Angular Momentum Conversion with Quasi-Continuous Spatial Phase Response. <i>Advanced Optical Materials</i> , 2019 , 7, 1901188	8.1	22
243	Circulator Based on Spoof Surface Plasmon Polaritons. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2017 , 16, 821-824	3.8	22
242	Band split in multiband all-dielectric left-handed metamaterials. <i>Journal of Applied Physics</i> , 2014 , 115, 234104	2.5	22
241	A Triband Second-Order Frequency Selective Surface. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2011 , 10, 507-509	3.8	22
240	Vortex beam generated by circular-polarized metasurface reflector antenna. <i>Journal Physics D: Applied Physics</i> , 2019 , 52, 255306	3	21

239	. <i>IEEE Transactions on Antennas and Propagation</i> , 2016 , 64, 3760-3765	4.9	21
238	Wideband Polarization Conversion with the Synergy of Waveguide and Spoof Surface Plasmon Polariton Modes. <i>Physical Review Applied</i> , 2018 , 10,	4.3	21
237	Broadband unidirectional cloaks based on flat metasurface focusing lenses. <i>Journal Physics D: Applied Physics</i> , 2015 , 48, 335101	3	20
236	Wideband RCS Reduction Metasurface With a Transmission Window. <i>IEEE Transactions on Antennas and Propagation</i> , 2020 , 68, 7079-7087	4.9	20
235	Metasurface inverse design using machine learning approaches. <i>Journal Physics D: Applied Physics</i> , 2020 , 53, 275105	3	20
234	Reconfigurable all-dielectric metamaterial frequency selective surface based on high-permittivity ceramics. <i>Scientific Reports</i> , 2016 , 6, 24178	4.9	20
233	Transparent and broadband absorption-diffusion-integrated low-scattering metamaterial by standing-up lattice. <i>Optics Express</i> , 2018 , 26, 28363-28375	3.3	20
232	Microwave birefringent metamaterials for polarization conversion based on spoof surface plasmon polariton modes. <i>Scientific Reports</i> , 2016 , 6, 34518	4.9	19
231	Wideband selective polarization conversion mediated by three-dimensional metamaterials. <i>Journal of Applied Physics</i> , 2014 , 115, 234506	2.5	19
230	Wide-angle flat metasurface corner reflector. <i>Applied Physics Letters</i> , 2018 , 113, 143504	3.4	19
229	Broadband reflectionless metamaterials with customizable absorption-transmission-integrated performance. <i>Applied Physics A: Materials Science and Processing</i> , 2017 , 123, 1	2.6	18
228	An optical-transparent metamaterial for high-efficiency microwave absorption and low infrared emission. <i>Journal Physics D: Applied Physics</i> , 2020 , 53, 135109	3	18
227	Low radar cross section checkerboard metasurface with a transmission window. <i>Journal of Applied Physics</i> , 2018 , 124, 065107	2.5	17
226	Reflective frequency selective surface based on low-permittivity dielectric metamaterials. <i>Applied Physics Letters</i> , 2015 , 107, 211906	3.4	17
225	Ultra-broadband linearly polarisation manipulation metamaterial. <i>Electronics Letters</i> , 2014 , 50, 1658-1660.	1	17
224	Enhancing isolation of antenna arrays by simultaneously blocking and guiding magnetic field lines using magnetic metamaterials. <i>Applied Physics Letters</i> , 2016 , 109, 153505	3.4	17
223	Shared-Aperture Antennas Based on Even- and Odd-Mode Spoof Surface Plasmon Polaritons. <i>IEEE Transactions on Antennas and Propagation</i> , 2020 , 68, 3254-3258	4.9	17
222	Merging bands of polarization converters by suppressing Fano resonance. <i>Applied Physics Letters</i> , 2018 , 113, 101901	3.4	17

221	Diffraction radiation based on an anti-symmetry structure of spoof surface-plasmon waveguide. <i>Applied Physics Letters</i> , 2017 , 110, 021118	3.4	16
220	Carbon fiber assisted glass fabric composite materials for broadband radar cross section reduction. <i>Composites Science and Technology</i> , 2018 , 158, 19-25	8.6	16
219	An optically transparent sandwich structure for radar-infrared bi-stealth. <i>Infrared Physics and Technology</i> , 2020 , 105, 103108	2.7	16
218	Miniaturized-Element Offset-Feed Planar Reflector Antennas Based on Metasurfaces. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2017 , 16, 282-285	3.8	15
217	Multi-spectral functional metasurface simultaneously with visible transparency, low infrared emissivity and wideband microwave absorption. <i>Infrared Physics and Technology</i> , 2020 , 110, 103469	2.7	15
216	A polarization-dependent wide-angle three-dimensional metamaterial absorber. <i>Journal of Magnetism and Magnetic Materials</i> , 2009 , 321, 2805-2809	2.8	15
215	A Broadband Wide-Angle Synthetical Absorber Designed by Topology Optimization of Resistance Surface and Metal Wires. <i>IEEE Access</i> , 2019 , 7, 142675-142681	3.5	14
214	Frequency-Selective Structure With Transmission and Scattering Deflection Based on Spoof Surface Plasmon Polariton Modes. <i>IEEE Transactions on Antennas and Propagation</i> , 2019 , 67, 6508-6514	4.9	14
213	Broadband Tunable Metamaterial Absorber Based on U-shaped Ferrite Structure. <i>IEEE Access</i> , 2019 , 7, 150969-150975	3.5	14
212	Broadband spoof surface plasmon polariton couplers based on transmissive phase gradient metasurface. <i>Journal Physics D: Applied Physics</i> , 2017 , 50, 375104	3	14
211	ULTRA-WIDE-BAND MICROWAVE COMPOSITE ABSORBERS BASED ON PHASE GRADIENT METASURFACES. <i>Progress in Electromagnetics Research M</i> , 2014 , 40, 9-18	0.6	14
210	Achieving all-dielectric left-handed metamaterials via single-sized dielectric resonators. <i>Journal of Applied Physics</i> , 2012 , 111, 044903	2.5	14
209	Full-space-manipulated multifunctional coding metasurface based on "Fabry-Pérot-like" cavity. <i>Optics Express</i> , 2019 , 27, 21520-21531	3.3	14
208	Extraordinary transmission of electromagnetic waves through sub-wavelength slot arrays mediated by spoof surface plasmon polaritons. <i>Applied Physics Letters</i> , 2016 , 108, 194101	3.4	14
207	Broadband planar achromatic anomalous reflector based on dispersion engineering of spoof surface plasmon polariton. <i>Applied Physics Letters</i> , 2016 , 109, 211901	3.4	14
206	High temperature absorbing coatings with excellent performance combined Al ₂ O ₃ and TiC material. <i>Journal of the European Ceramic Society</i> , 2020 , 40, 2013-2019	6	13
205	Dual-band tunable infrared metamaterial absorber with VO ₂ conformal resonators. <i>Optics Communications</i> , 2017 , 402, 518-522	2	13
204	Phase random metasurfaces for broadband wide-angle radar cross section reduction. <i>Microwave and Optical Technology Letters</i> , 2015 , 57, 2813-2819	1.2	13

203	Ultra-wideband polarization conversion metasurfaces 2014 ,		13
202	Wave-shape-keeping media. <i>Optics Letters</i> , 2009 , 34, 127-9	3	13
201	High-efficiency polarization conversion based on spatial dispersion modulation of spoof surface plasmon polaritons. <i>Optics Express</i> , 2016 , 24, 24938-24946	3.3	13
200	Integrating absorber with non-planar plasmonic structure for k-vector matching absorption enhancement. <i>Journal of Applied Physics</i> , 2018 , 124, 225101	2.5	13
199	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> , 2018 , 242, 29-36	3.6	13
198	A microwave absorption/transmission integrated sandwich structure based on composite corrugation channel: Design, fabrication and experiment. <i>Composite Structures</i> , 2019 , 229, 111425	5.3	12
197	Efficient orbital angular momentum vortex beam generation by generalized coding metasurface. <i>Applied Physics A: Materials Science and Processing</i> , 2019 , 125, 1	2.6	12
196	A Quad-Band Frequency Selective Surface With Highly Selective Characteristics. <i>IEEE Microwave and Wireless Components Letters</i> , 2016 , 26, 562-564	2.6	12
195	Highly-selective, closely-spaced, dual-band FSS with second-order characteristic. <i>IET Microwaves, Antennas and Propagation</i> , 2016 , 10, 1087-1091	1.6	12
194	Origami-inspired building block and parametric design for mechanical metamaterials. <i>Journal Physics D: Applied Physics</i> , 2016 , 49, 315302	3	12
193	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> , 2019 , 52, 38LT01	3	12
192	Optically transparent coding metasurface with simultaneously low infrared emissivity and microwave scattering reduction. <i>Optics Express</i> , 2020 , 28, 27774-27784	3.3	12
191	Polarization and angle insensitive dual-band bandpass frequency selective surface using all-dielectric metamaterials. <i>Journal of Applied Physics</i> , 2016 , 119, 134104	2.5	12
190	Reducing RCS of Patch Antennas via Dispersion Engineering of Metamaterial Absorbers. <i>IEEE Transactions on Antennas and Propagation</i> , 2020 , 68, 1419-1425	4.9	12
189	Programmable Coding Metasurface Reflector for Reconfigurable Multibeam Antenna Application. <i>IEEE Transactions on Antennas and Propagation</i> , 2021 , 69, 296-301	4.9	12
188	Absorptive frequency selective surface with two alternately switchable transmission/reflection bands. <i>Optics Express</i> , 2021 , 29, 4219-4229	3.3	12
187	Transparent absorption-diffusion-integrated water-based all-dielectric metasurface for broadband backward scattering reduction. <i>Journal Physics D: Applied Physics</i> , 2018 , 51, 485301	3	12
186	Retro-reflective metasurfaces for backscattering enhancement under oblique incidence. <i>AIP Advances</i> , 2017 , 7, 105315	1.5	11

185	Ultra-thin and -broadband microwave magnetic absorber enhanced by phase gradient metasurface incorporation. <i>Journal Physics D: Applied Physics</i> , 2018 , 51, 215001	3	11
184	Ultra-broadband co-polarization anomalous reflection metasurface. <i>Applied Physics A: Materials Science and Processing</i> , 2017 , 123, 1	2.6	11
183	A visible-light-transparent camouflage-compatible flexible metasurface for infrared radar stealth applications. <i>Journal Physics D: Applied Physics</i> , 2021 , 54, 015001	3	11
182	Dispersion engineering of metasurfaces for supporting both TM and TE spoof surface plasmon polariton. <i>Journal Physics D: Applied Physics</i> , 2018 , 51, 045109	3	11
181	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> , 2017 , 50, 215104	3	10
180	Multi-Beam Metasurface Antenna by Combining Phase Gradients and Coding Sequences. <i>IEEE Access</i> , 2019 , 7, 62087-62094	3.5	10
179	Electromagnetic reflection reduction of carbon composite materials mediated by collaborative mechanisms. <i>Carbon</i> , 2019 , 147, 112-119	10.4	10
178	Circularly Polarized Spin-Selectivity Absorbing Coding Phase Gradient Metasurface for RCS Reduction. <i>Advanced Theory and Simulations</i> , 2020 , 3, 1900217	3.5	10
177	Broadband circulator based on spoof surface plasmon polaritons. <i>Journal Physics D: Applied Physics</i> , 2016 , 49, 355002	3	10
176	Three-Dimensional Resistive Metamaterial Absorber Loaded with Metallic Resonators for the Enhancement of Lower-Frequency Absorption. <i>Materials</i> , 2018 , 11,	3.5	10
175	A single layer ultra-miniaturized FSS operating in VHF. <i>Photonics and Nanostructures - Fundamentals and Applications</i> , 2015 , 17, 1-9	2.6	10
174	A broad-band three-dimensional isotropic left-handed metamaterial. <i>Journal Physics D: Applied Physics</i> , 2009 , 42, 155413	3	10
173	A thin dielectric ceramic coating with good absorbing properties composed by tungsten carbide and alumina. <i>Journal of Alloys and Compounds</i> , 2020 , 818, 152851	5.7	10
172	Fast coding method of metasurfaces based on 1D coding in orthogonal directions. <i>Journal Physics D: Applied Physics</i> , 2018 , 51, 475103	3	10
171	High-efficiency tri-band quasi-continuous phase gradient metamaterials based on spoof surface plasmon polaritons. <i>Scientific Reports</i> , 2017 , 7, 40727	4.9	9
170	Recent developments of metamaterials/metasurfaces for RCS reduction. <i>EPJ Applied Metamaterials</i> , 2019 , 6, 15	0.8	9
169	Two-dimensional QR-coded metamaterial absorber. <i>Applied Physics A: Materials Science and Processing</i> , 2016 , 122, 1	2.6	9
168	Wideband planar retro-reflective metasurfaces for backscattering enhancement under oblique incidence. <i>Journal Physics D: Applied Physics</i> , 2018 , 51, 335103	3	9

167	Area-transformation method for designing invisible cloaks. <i>Journal of Applied Physics</i> , 2010 , 108, 073108.5	2.5	9
166	Broadband three-dimensional diamond-shaped invisible cloaks composed of tetrahedral homogeneous blocks. <i>Journal Physics D: Applied Physics</i> , 2010 , 43, 305501	3	9
165	Numerical method of designing three-dimensional open cloaks with arbitrary boundary shapes. <i>Photonics and Nanostructures - Fundamentals and Applications</i> , 2010 , 8, 205-208	2.6	9
164	Multifield-Inspired Tunable Carrier Effects Based on Ferroelectric-Silicon PN Heterojunction. <i>Advanced Electronic Materials</i> , 2020 , 6, 1900795	6.4	9
163	Tailoring Circular Dichroism for Simultaneous Control of Amplitude and Phase via Ohmic Dissipation Metasurface. <i>Advanced Optical Materials</i> , 2021 , 9, 2100140	8.1	9
162	Ohmic Dissipation-Assisted Complex Amplitude Hologram with High Quality. <i>Advanced Optical Materials</i> , 2021 , 9, 2002242	8.1	9
161	Design of Frequency Selective Surface Based on Spoof Surface Plasmon Polariton Modes. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2018 , 17, 1123-1126	3.8	9
160	Loss-Assisted Metasurface at an Exceptional Point. <i>ACS Photonics</i> , 2020 , 7, 3321-3327	6.3	8
159	Three-dimensional invisible cloaks with arbitrary shapes based on partial differential equation. <i>Applied Mathematics and Computation</i> , 2010 , 216, 426-430	2.7	8
158	Using photon funnels based on metamaterial cloaks to compress electromagnetic wave beams. <i>Applied Optics</i> , 2008 , 47, 4193-5	0.2	8
157	Experimental Verification of Anisotropic Three-dimensional Left-handed Metamaterial Composed of Jerusalem Crosses. <i>Progress in Electromagnetics Research Symposium: [proceedings] Progress in Electromagnetics Research Symposium</i> , 2010 , 6, 31-35		8
156	Optical transparent infrared high absorption metamaterial absorbers. <i>Journal of Advanced Dielectrics</i> , 2018 , 08, 1850007	1.3	7
155	Ultra-wideband and high-efficiency transparent coding metasurface. <i>Applied Physics A: Materials Science and Processing</i> , 2018 , 124, 1	2.6	7
154	An FSS-Backed Dual-Band Reflective Polarization Conversion Metasurface. <i>IEEE Access</i> , 2019 , 7, 104435-104442	3.5	7
153	Achieving circular-to-linear polarization conversion and beam deflection simultaneously using anisotropic coding metasurfaces. <i>Scientific Reports</i> , 2019 , 9, 12264	4.9	7
152	Multiplexing the aperture of a metasurface: inverse design via deep-learning-forward genetic algorithm. <i>Journal Physics D: Applied Physics</i> , 2020 , 53, 455002	3	7
151	Lightweight ultra-wideband radar cross section reduction structure using double-layer metasurfaces. <i>Journal Physics D: Applied Physics</i> , 2019 , 52, 115103	3	7
150	Synthetic design for a microwave absorber and antireflection to achieve wideband scattering reduction. <i>Journal Physics D: Applied Physics</i> , 2019 , 52, 035103	3	7

149	A thermally tunable THz metamaterial frequency-selective surface based on barium strontium titanate thin film. <i>Journal Physics D: Applied Physics</i> , 2019 , 52, 045301	3	7
148	Synthetical dispersion engineering in plasmonic metamaterial absorber for broadband absorption enhancement. <i>Journal Physics D: Applied Physics</i> , 2019 , 52, 085103	3	7
147	Single-layer metasurface for ultra-wideband polarization conversion: bandwidth extension via Fano resonance. <i>Scientific Reports</i> , 2021 , 11, 585	4.9	7
146	Multifunctional full-space metasurface controlled by frequency, polarization and incidence angle. <i>Optics Express</i> , 2021 , 29, 7544-7557	3.3	7
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