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DOI: 10.1103/physreve.71.036617 Physical Review E, 2005, 71, 036617.

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186	Multitasking device with switchable and tailored functions of ultra-broadband absorption and polarization conversion.	O
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183	Miniaturized Multiband Metamaterial Antennas With Dual-Band Isolation Enhancement. 2022 , 10, 64952-6496	Ь
182	Design of Spiral Resonator Based on Fractal Metamaterials and Its Improvement for MCR-WPT Performance. 2022 , 1-1	
181	Overview of Approaches for Compensating Inherent Metamaterials Losses. 2022, 1-1	
180	Miniaturized, Vertically Polarized, Pattern Reconfigurable Dielectric Resonator Antenna and Its Phased Array for Wide-Angle Beam-Steering. 2022 , 1-1	3
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177	Rational Design and Fabrication of Optically Transparent Broadband Microwave Absorber with Multilayer Structure Based on Indium Tin Oxide. 2022 , 166008	2
176	An Ultrathin Tunable Metamaterial Absorber for Lower Microwave Band Based on Magnetic Nanomaterial. 2022 , 12, 2135	1
175	CPW-fed octagonal-shaped metamaterial-inspired multiband antenna on frequency selective surface for gain enhancement. 2022 , 128,	1
174	Design and Analysis of Polarization-Independent, Wide-Angle, Broadband Metasurface Absorber Using Resistor-Loaded Split-Ring Resonators. 2022 , 11, 1986	1
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169	Experimental Study of Effectiveness of Metasurface for Efficiency and Misalignment Enhancement of Near-Field WPT System. 2022 , 1-5	O
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163	A Multi-functional terahertz metamaterial with polarization-controlled EIT and broadband absorption.	1
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161	Tunable infrared meta-absorber with single- and dual-absorption resonances. 2022 , 32, 102178	1

160	A graphene based dual-band metamaterial absorber for TE polarized THz wave. 2022, 168, 207331	1
159	An angularly stable and optically transparent broadband conformal microwave absorber using diamond-shaped pattern. 2022 , 131, 112689	
158	Homogenization of an acoustic coating with a steel backing subject to an obliquely incident sound. 2022 , 152, 624-632	
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151	Coplanar Meta-Surface-Based Substrate-Integrated Waveguide Antennas with Broadband and Low Reflections for K-Band Beam Scanning. 2022 , 22, 6353	
150	Dual-controlled tunable polarization-independent triple-band absorber using hybrid Dirac semimetal-vanadium dioxide metamaterial.	
149	Design of multilayer planar film structures for near-perfect absorption in the visible to near-infrared.	
148	Compact quadband two-port antenna with metamaterial cell-inspired decoupling parasitic element for mobile wireless applications. 2022 ,	1
147	Design of a Broadband Perfect Solar Absorber Based on a Four-Layer Structure with a Cross-Shaped Resonator and Triangular Array. 2022 , 9, 565	1
146	Graphene-Based Absorption⊞ransmission Multi-Functional Tunable THz Metamaterials. 2022 , 13, 1239	1
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144	Using of metasurface lens and particle swarm optimisation for enhancement of parameters of a pyramidal horn antenna. 1-10	
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137	Broadband metamaterial absorber based on hybrid multi-mode resonance in mid-wave and long-wave infrared region. 2022 , 42, 105972	O
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132	Metamaterial for RFID and Sensor Applications. 2022, 1-27	0
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129	An Ultra-Thin Octad-Band THz Metamaterial Absorber with Polarization-Insensitivity for Sensor Applications. 2022 , 19-40	O
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127	Broadband absorption and polarization conversion switchable terahertz metamaterial device based on vanadium dioxide. 2023 , 157, 108723	1
126	Broadband absorber coupled with anti-reflection inverted pyramid type all-dielectric microstructure. 2023 , 160, 107288	0
125	Plasmonic Metamaterial Absorber Based on MIM Structure for THz Detection.	Ο

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115	Analysis and Design of Microstrip Patch Antenna with Two Different Metamaterial Unit Cells. 2023 , 577-588	O
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107	Shape memory in self-adapting colloidal crystals. 2022 , 610, 674-679	1

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99	Dynamically switchable triple-band absorption enhancement of graphene by a subwavelength grating coupled hybrid structure. 2022 , 43, 106057	O
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85	A UWB Antipodal Vivaldi antenna with high gain using metasurface and notches. 2023 , 159, 154473	O
84	Ultra-wideband terahertz absorber based on metalgraphene hybrid structure. 2023 , 34, 105185	1
83	Optimization of Low-Frequency Magnetic Metamaterials for Efficiency Improvement in Magnetically Coupled Resonant Wireless Power Transfer Systems. 2022 , 10, 125445-125457	O
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69	Additive Manufacturing of MTM-FSS. 2022 , 695-720	O
68	Metamaterial for RFID and Sensor Applications. 2022 , 667-693	О
67	Metamaterial Lens for Nondestructive Evaluation of Composites. 2022 , 327-354	O
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63	Optical angular transparency and broadband absorption based on photonic topological transition in black phosphorus/aluminum oxide hyperbolic metamaterial. 2023 , 13, 015301	O
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58	Near perfect and polarization insensitive broadband absorber based on Al2O3 - Ti - Al2O3 triple layer structure. 2023 , 98, 025511	О
57	Study on vanadium dioxide based terahertz metamaterials with switchable functions from five-band absorption to triple-band plasmon-induced transparency.	O
56	An ultrathin polarization insensitive triple band microwave metamaterial absorber. 2022,	O
55	Broadband Magnet Shaped Chiral Metasurface for Asymmetric Transmission of Optical Activity Over Wide Incidence Angle. 2022 ,	O
54	Analysis of the Behavior of Metamaterial Unit Cell with Respect to Change in Its Structural Parameters. 2023 , 703-711	О
53	Low-profile closely coupled dual-band MIMO antenna using double layer metasurface. 1-8	O

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51	Design of a switchable bifunctional terahertz metamaterial absorber from ultra-broadband to´10-band. 2023 , 40, 939	O
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49	Broadband muffler by merging negative density and negative compressibility. 2023 , 208, 109373	O
48	Tunable and switchable terahertz absorber based on photoconductive silicon and vanadium dioxide. 2023 , 163, 109329	O
47	A dynamically tunable terahertz metamaterial absorber with switching characteristics and excellent absorption combining Dirac semimetal and vanadium dioxide. 2023 , 163, 109408	O
46	Highly Efficient and Multiband Metamaterial Microstrip-Based Radiating Structure Design Showing High Gain Performance for Wireless Communication Devices. 2023 , 13, 674	0
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44	Design and analysis of wavelength tunable metamaterial reflector. 2023 , 10, 100366	О
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42	Precise topological transition and negative refraction of a wave vector in a symmetrically arranged Al2O3/Ag/Al2O3 multilayer. 2023 , 31, 7734	О
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40	Reprogrammable Spoof Plasmonic Modulator. 2212328	1
39	Terahertz Barcodes Enabled by All-Silicon Metasurfaces for Process Control and Monitoring Applications. 2023 , 8, 2201631	O
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34	Wideband Circularly Polarized Millimeter Wave Hemispherical Dielectric Resonator Antenna. 2023 , 14, 436	Ο
33	Wideband 5G Antenna Gain Enhancement Using a Compact Single-Layer Millimeter Wave Metamaterial Lens. 2023 , 11, 14928-14942	O
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31	An Ultra-Thin, Triple-Band, Incident Angle-Insensitive Perfect Metamaterial Absorber. 2023 , 16, 1623	O
30	Design and Analysis of Graphene-Based Metasurface Absorber for Temperature and Refractive Index Sensing in THz Spectrum. 2023 , 115-130	О
29	SIW Cavity Backed High-Gain Slot Antenna using Metamaterial for 5G mmWave Communications. 2022 ,	O
28	Low Cost Polarization Insensitive L band FSS Absorber Based on Screen Printing Technique. 2022,	О
27	Cold-Test Characterization of Metamaterial-Assisted Side Coupled Cavity. 2023 , 70, 1956-1961	O
26	Design and Verification of a Novel Anchor Shaped Double Negative Metamaterial Unit Cell. 2022,	0
25	Broadband Solar Metamaterial Absorbers Empowered by Transformer-Based Deep Learning. 2206718	O
24	???????3D?????. 2023 , 66, 1283-1312	0
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21	Metamaterial Inspired Quad-port Multi-Antenna System for Millimeter Wave 5G Applications.	O
20	Design of Artificial Metamaterial Absorber Based on Stacking Method. 2023 , 2023, 1-10	0
19	Electrically switchable multicolored filter using plasmonic nanograting integrated with liquid crystal for optical storage and encryption. 2023 , 31, 11940	O
18	Frequency-Multiplexed Holographic-Reflective Coding Metasurface for Independent Controls of Surface Wave and Spatially Propagating Wave. 2202832	О
17	Double Negative Metamaterial Based on Moebius Strip. 2023 , 22, 121-139	O

16	Deep neural network-aided design of terahertz bifunctional metasurface. 2023 , 47, 106333	О
15	Boosting optical nonlinearity in epsilon-near-zero trilayer coatings.	O
14	Multi-peak narrow-band metamaterial absorber for visible to near-infrared wavelengths. 2023, 47, 106374	O
13	Metamaterial properties of Babinet complementary complex structures. 2023, 13,	O
12	Wideband and Wide-Angle Anti-Reflection Coatings Based on Dielectric Metamaterials. 2022,	О
11	An Ultra-Broadband Chirality Selective Metastructure Absorber using High Impedance Surface.	O
10	A Novel Metasurface-Based Decoupler for Wideband Stacked Patch Antenna Array. 2022,	0
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5	A Low Frequency Broadband 3-D Metamaterial Absorber. 2022 ,	O
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