

Shah Nawaz Burokur

List of Publications by Year in descending order

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226
papers

5,610
citations

66315

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228
docs citations

228
times ranked

2890
citing authors

#	ARTICLE	IF	CITATIONS
1	Generating Dual-Polarized Vortex Beam by Detour Phase: From Phase Gradient Metasurfaces to Metagratings. IEEE Transactions on Microwave Theory and Techniques, 2022, 70, 200-209.	2.9	107
2	Full Space Control of Meta-Holograms Utilizing a Bilayered Patterned Coding Metasurface. IEEE Antennas and Wireless Propagation Letters, 2022, 21, 322-326.	2.4	8
3	Meta-hologram enabled by a double-face copper-cladded metasurface based on reflectionâ€“transmission amplitude coding. Optics Letters, 2022, 47, 174.	1.7	6
4	Compact logic operator utilizing a single-layer metasurface. Photonics Research, 2022, 10, 316.	3.4	19
5	Huygens' Metasurface With Stable Transmission Response Under Wide Range of Incidence Angle. IEEE Antennas and Wireless Propagation Letters, 2022, 21, 630-634.	2.4	5
6	Chirality-Intrigged Spin-Selective Metasurface and Applications in Generating Orbital Angular Momentum. IEEE Transactions on Antennas and Propagation, 2022, 70, 4549-4557.	3.1	12
7	Metasurfaces for Far-Field Radiation Pattern Correction of Antennas under Dielectric Seamed-Radomes. Materials, 2022, 15, 665.	1.3	2
8	Broadband tunable metasurface platform enabled by dynamic phase compensation. Optics Letters, 2022, 47, 573.	1.7	1
9	Amplitude-phase modulation metasurface hologram with inverse angular spectrum diffraction theory. Journal Physics D: Applied Physics, 2022, 55, 235102.	1.3	9
10	Perfect Control of Diffraction Patterns with Phase-Gradient Metasurfaces. ACS Applied Materials & Interfaces, 2022, 14, 16856-16865.	4.0	46
11	Camouflaging a Highâ€“Index Dielectric Scatterer with Buried Metasurfaces. Advanced Optical Materials, 2022, 10, 2101882.	3.6	2
12	Single-layer spatial analog meta-processor for imaging processing. Nature Communications, 2022, 13, 2188.	5.8	58
13	Dynamic Metasurface for Holographic Imaging. , 2022, , .		0
14	Experimental validation of camouflaging a high-index dielectric scatterer with metasurfaces. , 2022, , .		0
15	Electronic Beam-Scanning Antenna Based on a Reconfigurable Phase-Modulated Metasurface. Sensors, 2022, 22, 4990.	2.1	2
16	Deep learning-enabled compact optical trigonometric operator with metasurface. PhotonIX, 2022, 3, .	5.5	27
17	Polarizationâ€“Engineered Noninterleaved Metasurface for Integer and Fractional Orbital Angular Momentum Multiplexing. Laser and Photonics Reviews, 2021, 15, .	4.4	160
18	Coding metasurface holography with polarization-multiplexed functionality. Journal of Applied Physics, 2021, 129, .	1.1	14

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19	Non-Local Reconfigurable Sparse Metasurface: Efficient Near-Field and Far-Field Wavefront Manipulations. <i>Advanced Optical Materials</i> , 2021, 9, 2001316.	3.6	45
20	Dual-band independent phase control based on high efficiency metasurface [Invited]. <i>Chinese Optics Letters</i> , 2021, 19, 100501.	1.3	46
21	Tri-state Metasurface-Based Electromagnetic Screen with Switchable Reflection, Transmission, and Absorption Functionalities. <i>ACS Applied Electronic Materials</i> , 2021, 3, 1184-1190.	2.0	33
22	Metasurface-tuning: A camouflaging technique for dielectric obstacles. <i>Journal of Applied Physics</i> , 2021, 129, .	1.1	6
23	Scattering-Reduction of a Parasitic Dielectric Object via Metasurface-Tuning. , 2021, , .		0
24	A metamaterial lens based on transformation optics for horizontal radiation of OAM vortex waves. <i>Journal of Applied Physics</i> , 2021, 129, 104101.	1.1	2
25	Design and Experimental Characterization of a Two-Dimensional Reconfigurable Metasurface. , 2021, , .		0
26	Compact multi-functional frequency-selective absorber based on customizable impedance films. <i>Optics Express</i> , 2021, 29, 14974.	1.7	7
27	Metasurface Holography in the Microwave Regime. <i>Photonics</i> , 2021, 8, 135.	0.9	22
28	Transmission-Reflection-Integrated Multiplexed Janus Metasurface. <i>ACS Applied Electronic Materials</i> , 2021, 3, 2638-2645.	2.0	31
29	Fourier Convolution Operation on Metasurface-Based Hologram in Microwave Region. <i>Photonics</i> , 2021, 8, 174.	0.9	2
30	Adsorption of graphene-based metamaterials and its application in detection of heavy metal ions. <i>Optical Materials Express</i> , 2021, 11, 2675.	1.6	2
31	Versatile metasurface platform for electromagnetic wave tailoring. <i>Photonics Research</i> , 2021, 9, 1650.	3.4	46
32	Generation and deflection control of a 2D Airy beam utilizing metasurfaces. <i>Optics Letters</i> , 2021, 46, 5220.	1.7	10
33	Flexible Vortex Beam Generation Utilizing a Two-Dimensional Dynamic Metasurface. , 2021, , .		0
34	Camouflaging a High-Index Dielectric Scatterer with Metasurfaces. , 2021, , .		0
35	Field Decorrelation and Isolation Improvement in an MIMO Antenna Using an All-Dielectric Device Based on Transformation Electromagnetics. <i>Sensors</i> , 2021, 21, 7577.	2.1	4
36	Reprogrammable Digital Holograms and Multibit Spatial Energy Modulation Using a Reflective Metasurface. <i>ACS Applied Electronic Materials</i> , 2021, 3, 5272-5277.	2.0	7

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37	Tailoring Airy Beam from a Two-Dimensional Dynamic Metasurface. , 2021, , .		0
38	Planar Vortex Beam Generator for Circularly Polarized Incidence Based on FSS. IEEE Transactions on Antennas and Propagation, 2020, 68, 1514-1522.	3.1	24
39	Beamforming With Metagratings at Microwave Frequencies: Design Procedure and Experimental Demonstration. IEEE Transactions on Antennas and Propagation, 2020, 68, 1533-1541.	3.1	40
40	Conformal Sparse Metasurfaces for Wavefront Manipulation. Physical Review Applied, 2020, 14, .	1.5	22
41	Dual-Polarized Dual-Channel Helicity-Switching or Helicity-Preserving Retroreflectors Utilizing 1-Bit Coding Metasurfaces. ACS Applied Electronic Materials, 2020, 2, 3380-3389.	2.0	6
42	Phase-Gradient Metasurfaces for Efficient Conversion of Surface Wave to Propagating Wave. , 2020, , .		0
43	A Fully Phase-Modulated Metasurface as An Energy-Controllable Circular Polarization Router. Advanced Science, 2020, 7, 2001437.	5.6	191
44	Flat Meta-Reflector for Broadband Circularly Polarized Parabolic Antenna. , 2020, , .		0
45	Assembled medium: A route to the generation of vortex waves carrying orbital angular momentum with different modes. Journal of Applied Physics, 2020, 128, 044101.	1.1	3
46	Versatile Airy-Beam Generation Using a 1-Bit Coding Programmable Reflective Metasurface. Physical Review Applied, 2020, 14, .	1.5	42
47	Bi-functional meta-device with full energy utilization in co- and cross-polarization fields. Applied Physics Letters, 2020, 117, .	1.5	8
48	Independent phase modulation for quadruplex polarization channels enabled by chirality-assisted geometric-phase metasurfaces. Nature Communications, 2020, 11, 4186.	5.8	274
49	Metasurface-based Electromagnetic Screen for Tunable Reflection, Transmission and Absorption Characteristics. , 2020, , .		2
50	Transmission of Electromagnetic Waves through a Subwavelength Slit using a Reconfigurable Phase-Gradient Metasurface. , 2020, , .		0
51	Field Decorrelation in a MIMO Antenna using Transformation Electromagnetics. , 2020, , .		1
52	Dynamically Controlling Spatial Energy Distribution with a Holographic Metamirror for Adaptive Focusing. Physical Review Applied, 2020, 13, .	1.5	26
53	Three-Dimensional Microwave Holography Based on Broadband Huygens' Metasurface. Physical Review Applied, 2020, 13, .	1.5	40
54	Flexible Manipulation of Bessel-Like Beams with a Reconfigurable Metasurface. Advanced Optical Materials, 2020, 8, 2001084.	3.6	44

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55	Dual-Polarized Tri-Channel Encrypted Holography Based on Geometric Phase Metasurface. <i>Advanced Photonics Research</i> , 2020, 1, 2000022.	1.7	9
56	Metasurface holographic image projection based on mathematical properties of Fourier transform. <i>Photonix</i> , 2020, 1, .	5.5	127
57	Helicity-switched hologram utilizing a polarization-free multi-bit coding metasurface. <i>Optics Express</i> , 2020, 28, 22669.	1.7	9
58	Dual-polarized multiplexed meta-holograms utilizing coding metasurface. <i>Nanophotonics</i> , 2020, 9, 3605-3613.	2.9	66
59	A Review of Orbital Angular Momentum Vortex Beams Generation: From Traditional Methods to Metasurfaces. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 1015.	1.3	73
60	Direct dark mode excitation of electromagnetically induced reflection effect in enantiomer-based metasurface and its application in terahertz detection. , 2020, , .		0
61	Metamirror for Generation and Control of Bessel Beam. , 2020, , .		0
62	Microwave Metagratings for Generation of Vortex beams Carrying OAM modes. , 2020, , .		1
63	High-Efficiency Metalenses with Switchable Functionalities in Microwave Region. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 28423-28430.	4.0	177
64	All-Dielectric Transformed Material for Microwave Broadband Orbital Angular Momentum Vortex Beam. <i>Physical Review Applied</i> , 2019, 12, .	1.5	13
65	Omega-bianisotropic metasurface for converting a propagating wave into a surface wave. <i>Physical Review B</i> , 2019, 100, .	1.1	16
66	Design and Validation of an All-Dielectric Metamaterial Medium for Collimating Orbital-Angular-Momentum Vortex Waves at Microwave Frequencies. <i>Physical Review Applied</i> , 2019, 12, .	1.5	13
67	Design and validation of a metasurface lens for converging vortex beams. <i>Applied Physics Express</i> , 2019, 12, 084501.	1.1	16
68	Designing Metagratings via Local Periodic Approximation: From Microwaves to Infrared. <i>Physical Review Applied</i> , 2019, 11, .	1.5	42
69	Constructing the Near field and Far field with Reactive Metagratings: Study on the Degrees of Freedom. <i>Physical Review Applied</i> , 2019, 11, .	1.5	44
70	Reconfigurable Metasurface for Adaptive Focal Position Lens. , 2019, , .		0
71	Circularly-Polarized Broadband Planar Parabolic Reflector Antenna. , 2019, , .		1
72	X-band Absorber Integrated with A Low-frequency Transmission Performance. , 2019, , .		0

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73	Coding Huygensâ€™™ metasurface for enhanced quality holographic imaging. Optics Express, 2019, 27, 7108.	1.7	48
74	Electronically-engineered metasurface for directional beaming of electromagnetic waves through a subwavelength aperture. Optics Express, 2019, 27, 35774.	1.7	8
75	Multi-focus hologram utilizing Pancharatnamâ€™“Berry phase elements based metamirror. Optics Letters, 2019, 44, 2189.	1.7	40
76	Complementary transmissive ultra-thin meta-deflectors for broadband polarization-independent refractions in the microwave region. Photonics Research, 2019, 7, 80.	3.4	127
77	Huygens Metasurface Holograms with the Modulation of Focal Energy Distribution. Advanced Optical Materials, 2018, 6, 1800121.	3.6	128
78	Dark mode engineering in metasurfaces by symmetry matching approach. Applied Physics A: Materials Science and Processing, 2018, 124, 1.	1.1	1
79	Active metasurface for reconfigurable reflectors. Applied Physics A: Materials Science and Processing, 2018, 124, 1.	1.1	39
80	Reconfigurable Reflective Metasurface for Linear to Circular Polarization Conversion. , 2018, , .		0
81	Directive Reconfigurable Fabry-Perot Cavity Antenna for Space Applications. , 2018, , .		0
82	Refractive Index Engineering in 3D Printed Dielectric Substrates for Beam Steering. , 2018, , .		0
83	Reconfigurable Metasurface as Microwave Reflectors and Polarization Converters. , 2018, , .		2
84	Coordinate Transformation Based Field Tapering Device. , 2018, , .		0
85	Phase Modulation in Partially Reflective Surfaces for Beam Steering in Fabry-Perot Cavity Antennas. , 2018, , .		1
86	Space Transformation for Vortex Beam Generation. , 2018, , .		0
87	Ultra-thin metalens generating converging vortex beam in microwave region. , 2018, , .		1
88	3D Printed Index Modulated Dielectric Medium in Partially Reflecting Surface for Beam Steering. , 2018, , .		1
89	Dark-Mode Characteristics of Metasurfaces Engineered by Symmetry Matching of Resonant Elements and Electromagnetic Fields. Springer Series in Optical Sciences, 2018, , 219-239.	0.5	0
90	Realizable design of field taper via coordinate transformation. Optics Express, 2018, 26, 505.	1.7	7

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91	Phase-engineered metalenses to generate converging and non-diffractive vortex beam carrying orbital angular momentum in microwave region. Optics Express, 2018, 26, 1351.	1.7	222
92	Reconfigurable meta-mirror for wavefronts control: applications to microwave antennas. Optics Express, 2018, 26, 2613.	1.7	82
93	Gradient phase partially reflecting surfaces for beam steering in microwave antennas. Optics Express, 2018, 26, 6724.	1.7	11
94	Orbital angular momentum generation method based on transformation electromagnetics. Optics Express, 2018, 26, 11708.	1.7	30
95	All-dielectric transformation medium mimicking a broadband converging lens. Optics Express, 2018, 26, 20331.	1.7	16
96	High-Q Fano resonances via direct excitation of an antisymmetric dark mode. Optics Letters, 2018, 43, 3818.	1.7	12
97	Controlling Diffraction Patterns with Metagratings. Physical Review Applied, 2018, 10, .	1.5	99
98	Phase-modulation based transmitarray convergence lens for vortex wave carrying orbital angular momentum. Optics Express, 2018, 26, 22019.	1.7	53
99	3D-printed index-modulated substrate for beam in Fabry-Perot cavity antennas. Microwave and Optical Technology Letters, 2018, 60, 1856-1861.	0.9	4
100	Superluminal wave propagation in a non-Foster negative capacitor loaded transmission line. Electronics Letters, 2017, 53, 547-549.	0.5	6
101	3D field-shaping lens using all-dielectric gradient refractive index materials. Scientific Reports, 2017, 7, 782.	1.6	13
102	3D printed gradient index dielectric metasurface for beam steering applications. , 2017, , .		1
103	Metasurfaces with positive reflection phase gradients for broadband directive emission. , 2017, , .		2
104	Engineering of inductance for beam-steering antenna applications. Electronics Letters, 2017, 53, 373-375.	0.5	0
105	VHF antenna miniaturization using external non-foster matching circuit. Microwave and Optical Technology Letters, 2017, 59, 986-991.	0.9	3
106	Modeling and design of metasurfaces for beam scanning. Applied Physics A: Materials Science and Processing, 2017, 123, 1.	1.1	16
107	Design of Phase-Modulated Metasurfaces for Beam Steering in Fabry-Perot Cavity Antennas. IEEE Antennas and Wireless Propagation Letters, 2017, 16, 1401-1404.	2.4	67
108	Experimental validation of an ultra-thin metasurface cloak for hiding a metallic obstacle from an antenna radiation at low frequencies. Applied Physics Letters, 2017, 111, .	1.5	16

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109	All-dielectric microwave devices for controlling the path of electromagnetic waves. IOP Conference Series: Materials Science and Engineering, 2017, 198, 012001.	0.3	1
110	Electronic control of linear-to-circular polarization conversion using a reconfigurable metasurface. Applied Physics Letters, 2017, 111, .	1.5	92
111	Planar metasurface for parabolic reflector antenna: Frequency agility and beam steering. , 2017, , .		3
112	Active metasurface for a reconfigurable reflectarray antenna. , 2017, , .		2
113	Sharp fano resonances in Bi-layered symmetric Z-structures. , 2017, , .		0
114	Metasurfaces for antennas and sensors. , 2016, , .		0
115	All-dielectric microwave devices for controlling the path of electromagnetic waves. , 2016, , .		0
116	Lenses designed by transformation electromagnetics and fabricated by 3D dielectric printing. , 2016, , .		1
117	3D printed broadband transformation optics based all-dielectric microwave lenses. Journal of Optics (United Kingdom), 2016, 18, 044010.	1.0	31
118	Design and engineering of metasurfaces for high-directivity antenna and sensing applications. EPJ Applied Metamaterials, 2016, 3, 4.	0.8	9
119	Low-profile circularly polarized fabry-perot cavity antenna. Microwave and Optical Technology Letters, 2016, 58, 2957-2960.	0.9	10
120	Wideband miniaturized antenna with external Non-Foster circuit. , 2016, , .		1
121	Coherent beam control with an all-dielectric transformation optics based lens. Scientific Reports, 2016, 6, 18819.	1.6	40
122	Electromagnetic field tapering using all-dielectric gradient index materials. Scientific Reports, 2016, 6, 30661.	1.6	16
123	Design of non-uniform metasurfaces for beam steering performances. , 2016, , .		3
124	Metamaterial lens for beam steering. , 2016, , .		1
125	Direct dark modes excitation in bi-layered enantiomeric atoms-based metasurface through symmetry matching. Optics Letters, 2016, 41, 412.	1.7	10
126	Low-profile metamaterial-based L-band antennas. Applied Physics A: Materials Science and Processing, 2016, 122, 1.	1.1	8

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127	Modeling of beam steering from a phase-gradient metasurface. , 2015, , .		0
128	Experimental validation of a transformation optics based lens for beam steering. Applied Physics Letters, 2015, 107, 154101.	1.5	17
129	Beam steering lens based on transformation electromagnetics concept. , 2015, , .		0
130	Direction enhancing lens design through quasi-conformal transformation optics. , 2015, , .		1
131	Ultrathin Pancharatnamâ€Berry Metasurface with Maximal Crossâ€Polarization Efficiency. Advanced Materials, 2015, 27, 1195-1200.	11.1	431
132	Direct dark mode excitation by symmetry matching of a single-particle-based metasurface. Physical Review B, 2015, 91, .	1.1	13
133	GSM/DCS/UMTS low-profile metamaterial-based microwave antenna. Microwave and Optical Technology Letters, 2015, 57, 737-741.	0.9	1
134	Illusion optics: Optically transforming the nature and the location of electromagnetic emissions. Journal of Applied Physics, 2015, 117, 084903.	1.1	39
135	Conceptual design of a beam steering lens through transformation electromagnetics. Optics Express, 2015, 23, 12942.	1.7	31
136	Dark modes excitation and symmetry related properties of metasurfaces. , 2015, , .		0
137	Restoring in-phase emissions from non-planar radiating elements using a transformation optics based lens. Applied Physics Letters, 2015, 107, .	1.5	19
138	Metamaterial-based 2D multi-beam broadband Luneburg lens antenna. , 2014, , .		2
139	Design and model of wideband absorber made of ultrathin metamaterial structures. Applied Physics A: Materials Science and Processing, 2014, 117, 739-746.	1.1	13
140	Design of a waveguide tapering device via coordinate transformation. , 2014, , .		0
141	Transformation Electromagnetics for Antennas With an Illusion on the Radiation Pattern. IEEE Antennas and Wireless Propagation Letters, 2014, 13, 1796-1799.	2.4	18
142	Creation of multiple beams following a spiral path by transformation electromagnetics concept. , 2014, , .		0
143	Application of transformation electromagnetics for omnidirectional emission. , 2014, , .		0
144	Phase-compensated metasurface for conformal sectoral beam antennas. , 2014, , .		0

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145	Planar metamaterial-based beam-scanning broadband microwave antenna. Journal of Applied Physics, 2014, 115, .	1.1	25
146	Phase-gradient metasurfaces for beam steerable antennas. , 2014, , .		3
147	Spiral-like multi-beam emission via transformation electromagnetics. Journal of Applied Physics, 2014, 115, 024901.	1.1	21
148	Broadband effective magnetic response of inorganic dielectric resonator-based metamaterial for microwave applications. Applied Physics A: Materials Science and Processing, 2014, 114, 997-1002.	1.1	9
149	Transformation Electromagnetics and Non-standard Devices. , 2014, , 459-491.		0
150	Excitation of trapped modes from a metasurface composed of only Z-shaped meta-atoms. Applied Physics Letters, 2013, 103, .	1.5	16
151	Experimental Verification of Isotropic Radiation from a Coherent Dipole Source via Electric-Field-Driven $L < C >$ Resonator Metamaterials. Physical Review Letters, 2013, 111, 133901.	2.9	38
152	Phase-compensated metasurface for a conformal microwave antenna. Applied Physics Letters, 2013, 103, .	1.5	41
153	Low-Profile Substrate-Integrated Lens Antenna Using Metamaterials. IEEE Antennas and Wireless Propagation Letters, 2013, 12, 43-46.	2.4	50
154	Metamaterial-based compact cylindrical base station antennas. , 2013, , .		0
155	Inductive-varying grid for highly beam-steerable cavity antennas. Electronics Letters, 2013, 49, 319-321.	0.5	19
156	High Beam Steering in Fabry-Pérot Leaky-Wave Antennas. IEEE Antennas and Wireless Propagation Letters, 2013, 12, 261-264.	2.4	76
157	Reducing and increasing the apparent size of electromagnetic sources through transformation optics. , 2013, , .		0
158	Metamaterials-based gradient index broadband lens antennas. , 2013, , .		1
159	Metamaterial-based half Maxwell fish-eye lens for broadband directive emissions. Applied Physics Letters, 2013, 102, 024102.	1.5	43
160	Interpretation of the electric resonance in Z-shaped meta-atom. , 2013, , .		3
161	Reducing physical appearance of electromagnetic sources. Optics Express, 2013, 21, 5053.	1.7	10
162	Coordinate transformation applied to change physical appearance of radiating sources. , 2013, , .		0

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163	X-band metamaterial-based Luneburg lens antenna. , 2013, , .		4
164	Broadband metamaterial-based half Maxwell fish-eye lens antenna. , 2013, , .		0
165	Thin Conformal Directive Fabry-Pérot Cavity Antenna. IEEE Antennas and Wireless Propagation Letters, 2013, 12, 926-929.	2.4	10
166	New trends in antenna design: transformation optics approach. IOP Conference Series: Materials Science and Engineering, 2013, 44, 012012.	0.3	0
167	Metamaterial-based Fabry-Pérot leaky wave antennas: low profile, high directivity, frequency agility and beam steering. IOP Conference Series: Materials Science and Engineering, 2013, 44, 012013.	0.3	1
168	Analysis of a subwavelength Z-shaped metamaterial. IOP Conference Series: Materials Science and Engineering, 2013, 44, 012011.	0.3	1
169	Novel antenna concepts via coordinate transformation. Advanced Electromagnetics, 2013, 2, 25.	0.7	1
170	Compact Metamaterial-Based Substrate-Integrated Luneburg Lens Antenna. IEEE Antennas and Wireless Propagation Letters, 2012, 11, 1504-1507.	2.4	68
171	Z-shaped meta-atom for negative permittivity metamaterials. Applied Physics A: Materials Science and Processing, 2012, 106, 47-51.	1.1	15
172	Single metafilm effective medium behavior in optical domain: Maxwell's Garnett approximation and beyond. Applied Physics A: Materials Science and Processing, 2012, 109, 901-906.	1.1	5
173	Application of coordinate transformation for novel antenna design techniques. , 2012, , .		1
174	Numerical and experimental demonstration of a coordinate transformation-based azimuthal directive emission. Microwave and Optical Technology Letters, 2012, 54, 2536-2540.	0.9	4
175	COMPACT BASE STATION ANTENNAS USING METAMATERIALS. Progress in Electromagnetics Research C, 2012, 33, 43-53.	0.6	4
176	Investigation of spatial filters at microwave frequencies: Application for antenna directivity enhancement. Microwave and Optical Technology Letters, 2012, 54, 1327-1332.	0.9	8
177	Comparison of compact electric LC resonators for negative permittivity metamaterials. Microwave and Optical Technology Letters, 2012, 54, 2287-2295.	0.9	10
178	Study and analysis of an electric Z-shaped meta-atom. Advanced Electromagnetics, 2012, 1, 64.	0.7	30
179	Frequency agile metamaterial-based directive cavity antennas. , 2011, , .		1
180	Experimental verification of an ultra-directive emission based on transformation optics concept. , 2011, , .		0

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181	Antenna array for point-to-point communication in E-band frequency range. , 2011, , .		5
182	Transformation media producing quasi-perfect isotropic emission. Optics Express, 2011, 19, 20551.	1.7	37
183	Low-profile frequency agile directive antenna based on an active metasurface. Microwave and Optical Technology Letters, 2011, 53, 2291-2295.	0.9	7
184	Design and experimental demonstration of a high-directive emission with transformation optics. Physical Review B, 2011, 83, .	1.1	87
185	Coordinate-transformation-based ultra-directive emission. Electronics Letters, 2011, 47, 580.	0.5	28
186	Tunable bilayered metasurface for frequency reconfigurable directive emissions. Applied Physics Letters, 2010, 97, .	1.5	77
187	Waveguide taper engineering using coordinate transformation technology. Optics Express, 2010, 18, 767.	1.7	88
188	Principles and applications of a controllable electromagnetic band gap material to a conformable spherical radome. EPJ Applied Physics, 2009, 46, 32611.	0.3	6
189	Negative index from asymmetric metallic cut wire pairs metamaterials. International Journal of Microwave and Wireless Technologies, 2009, 1, 521-527.	1.5	3
190	Ultradirective antenna via transformation optics. Journal of Applied Physics, 2009, 105, .	1.1	93
191	Highly directive ISM band cavity antenna using a bilayered metasurface reflector. Microwave and Optical Technology Letters, 2009, 51, 1393-1396.	0.9	15
192	Subwavelength metamaterial-based resonant cavities fed by multiple sources for high directivity. Microwave and Optical Technology Letters, 2009, 51, 1883-1888.	0.9	29
193	Directive metamaterial-based subwavelength resonant cavity antennas " Applications for beam steering. Comptes Rendus Physique, 2009, 10, 414-422.	0.3	47
194	Symmetry breaking in metallic cut wire pairs metamaterials for negative refractive index. Applied Physics Letters, 2009, 94, 201111.	1.5	42
195	Enhanced directivity of ultra-thin metamaterial-based cavity antenna fed by multisource. Electronics Letters, 2009, 45, 814.	0.5	26
196	Design of an ultra-directive antenna using spatial coordinate transformation. , 2009, , .		0
197	Subwavelength resonant cavities fed by microstrip patch array. , 2009, , .		2
198	Negative refractive index metamaterials using only metallic cut wires. Optics Express, 2009, 17, 6301.	1.7	31

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199	Incidence dependence of negative index in asymmetric cut wire pairs metamaterials. Applied Physics Letters, 2009, 95, 191114.	1.5	7
200	Controlling plasmon hybridization for negative refraction metamaterials. Physical Review B, 2009, 79, .	1.1	70
201	Novel cut wires metamaterial exhibiting negative refractive index. , 2009, , .		1
202	Effective parameters of metal-dielectric composites: influence of eddy currents due to density fluctuations. EPJ Applied Physics, 2009, 46, 32604.	0.3	2
203	Metamaterials for optical and radio communications. Comptes Rendus Physique, 2008, 9, 31-40.	0.3	17
204	Chiral nihility effects on energy flow in chiral materials. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2008, 25, 55.	0.8	67
205	Infrared cloaking based on the electric response of split ring resonators. Optics Express, 2008, 16, 9191.	1.7	62
206	Full characterization of planar infrared metamaterials from far field diffraction pattern. , 2008, , .		0
207	Asymmetric left-handed metamaterial in microwave and infra-red regimes at normal incidence. , 2007, , .		0
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